2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

MISSISSIPPI POWER COMPANY
PLANT VICTOR DANIEL
ASH POND B

January 31, 2026

Prepared for

Mississippi Power Company
Gulfport, Mississippi



By

Southern Company Services
Earth Science and Environmental Engineering



CERTIFICATION STATEMENT

This 2025 Annual Groundwater Monitoring and Corrective Action Report, Mississippi Power Company – Plant Daniel Ash Pond B has been prepared in accordance with the United States Environmental Protection Agency's coal combustion residual rule (40 CFR Part 257, Subpart D), under the supervision of a licensed Professional Geologist in the State of Mississippi. As such, I certify that the information contained herein is true and accurate to the best of my knowledge.



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EXECUTIVE SUMMARY

In accordance with the United States Environmental Protection Agency (EPA) coal combustion residual (CCR) rule (40 CFR Part 257, Subpart D), this *2025 Annual Groundwater Monitoring and Corrective Action Report* was prepared to document 2025 semi-annual assessment groundwater monitoring activities at the Mississippi Power Company (MPC) Plant Daniel Ash Pond B (AP-B) and to satisfy the requirements of 40 CFR § 257.90(e). Semi-annual assessment monitoring and associated reporting for Plant Daniel AP-B is performed in accordance with the monitoring requirements 40 CFR § 257.90 through § 257.98.

Statistically significant increases (SSIs) of Appendix III constituents over background were identified in the results of the first detection monitoring event and assessment monitoring was initiated in January 2018. Statistically significant levels (SSLs) of the Appendix IV constituent lithium were identified in downgradient compliance well BAW-5 during the 2018 monitoring period. An alternate source demonstration (ASD) was prepared to address the SSLs for lithium and was completed July 12, 2019. The ASD was submitted in the 2019 Annual Groundwater Monitoring and Corrective Action Report. Therefore, pursuant to §257.95(g)(3)(ii), an assessment of corrective measures was not required, and AP-B remained in assessment monitoring.

The CCR unit began the 2025 monitoring period in assessment monitoring pursuant to §257.95. An SSL for lithium was identified in BAW-5 during the March 2025 groundwater monitoring event and is addressed by the previously referenced ASD.

AP-B was closed by removal of CCR from the former unit under 40 CFR § 257.102(c). Removal of the CCR and the underlying 6 inches of native soil was verified complete on December 15, 2021, and the former CCR unit was repurposed into three lined settlement ponds for plant process water. Since closure activities were completed in late 2021, concentrations exceeding the groundwater protection standard (GWPS) for cobalt have been observed in downgradient monitoring well BAW-3 but have not been confirmed as an SSL. Following the March 2025 monitoring event, an ASD was prepared to address GWPS exceedances for cobalt in BAW-3. The ASD was completed on September 24, 2025, was uploaded to the Operating Record, and is included as an appendix to this report. The information presented in the ASD demonstrates that a source other than the former CCR Unit caused the elevated cobalt detected in groundwater samples collected from BAW-3. Therefore, an assessment of corrective measures is not required, no further action is necessary. Mississippi Power Company (MPC) has achieved post-closure care obligations pursuant to 40 CFR §257.102(c)(1)(ii) and has ceased groundwater monitoring activities.

Pursuant to 40 CFR 257.90(e)(6), the table titled Executive Summary was prepared to describe the status

of groundwater monitoring and corrective action during this report's monitoring period. Groundwater monitoring has ceased for former AP-B, this report will be the final Annual Groundwater Monitoring and Corrective Action Report, and closure certification will be completed by MPC following the submittal of this report.

Monitoring Period Summary
Plant Daniel - Ash Pond B

Monitoring Period:	January 1 - December 31, 2025
Beginning Status:	Assessment
Ending Status:	Closed

STATISTICAL ANALYSIS RESULTS*

Appendix III SSIs

Parameter	Wells
Boron	BAW-5
Calcium	BAW-4, BAW-5
Fluoride	BAW-5
pH	BAW-5
Sulfate	BAW-5
TDS	BAW-5

Appendix IV SSLs

Parameter	Wells
Lithium	BAW-5

* See the attached report for further details regarding statistical exceedances and alternate source demonstrations.

ASSESSMENT OF CORRECTIVE MEASURES & GROUNDWATER REMEDY

Assessment of Corrective Measures

Site Has Achieved Post-Closure Care Obligations Pursuant to 40 CFR §257.102(c)(1)(ii) and has Ceased Groundwater Monitoring Activities

Groundwater Remedy

Site Has Achieved Post-Closure Care Obligations Pursuant to 40 CFR §257.102(c)(1)(ii) and has Ceased Groundwater Monitoring Activities

TABLE OF CONTENTS

EXECUTIVE SUMMARY i
Table of Contents iv
1.0 INTRODUCTION 1
2.0 MONITORING PROGRAM STATUS 1
3.0 SITE LOCATION AND DESCRIPTION 2
3.1 Regional Geology & Hydrogeologic Setting 2
3.2 Uppermost Aquifer 3
4.0 GROUNDWATER MONITORING SYSTEM 3
4.1 Compliance Monitoring Network 3
4.2 Monitoring Well Installation, Abandonment, and Maintenance 4
5.0 GROUNDWATER SAMPLING AND ANALYSIS 4
5.1 Groundwater Sample Collection 4
5.2 Sampling Preservation and Handling 5
5.3 Chain of Custody 5
5.4 Laboratory Analysis 5
6.0 GROUNDWATER ELEVATION AND FLOW 5
6.1 Groundwater Velocity Calculations 6
7.0 EVALUATION OF GROUNDWATER QUALITY DATA 7
7.1 Quality Assurance and Quality Control 7
8.0 STATISTICAL METHODOLOGY AND TESTS 8
8.1 Appendix III Evaluation 9
8.2 Appendix IV Evaluation 9
8.3 Statistical Exceedances 10
9.0 ALTERNATE SOURCE DEMONSTRATION 11
10.0 SUMMARY AND CONCLUSIONS 12
11.0 REFERENCES 12

Tables

Table 1 Monitoring Well Network Summary
Table 2 Groundwater Elevations Summary – 2025
Table 3 Groundwater Flow Velocity Calculations – 2025
Table 4 Relative Percent Difference Calculations
Table 5 Summary of Background Levels and Groundwater Protection Standards

Figures

Figure 1 Site Location Map
Figure 2 Monitoring Well Location Map
Figure 3 Potentiometric Surface Contour Map – March 17, 2025

Appendices

Appendix A Alternate Source Demonstration
Appendix B Laboratory Analytical Data and Field Sampling Records
Appendix C Statistical Analysis

1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (EPA) coal combustion residual (CCR) rule (40 Code of Federal Regulations (CFR) § 257 Subpart D), Southern Company Services (SCS) has prepared this *2025 Annual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities at Mississippi Power Company (MPC) Plant Daniel Ash Pond B (AP-B). Groundwater monitoring and reporting for the CCR unit is performed in accordance with the monitoring requirements § 257.90 through § 257.95 of the Federal CCR rule.

2.0 MONITORING PROGRAM STATUS

Statistically significant increases (SSIs) of Appendix III constituents over background were identified in the results of the 2017 detection monitoring event. Statistically significant levels (SSLs) of the Appendix IV constituent lithium were identified in downgradient compliance well BAW-5 during the 2018 monitoring period. An alternate source demonstration (ASD) was prepared to address the SSLs for lithium and was completed July 12, 2019. The ASD was submitted in the 2019 Annual Groundwater Monitoring and Corrective Action Report. Therefore, pursuant to §257.95(g)(3)(ii), an assessment of corrective measures is not required, and AP-B remained in assessment monitoring.

Removal of CCR material at AP-B was completed in September 2021 and the site was certified clean closed in early 2022. Construction activities continued as AP-B was repurposed into three lined settlement ponds for plant process water. Construction was completed in early 2023.

Since construction was completed in late 2021, concentrations exceeding the groundwater protection standard (GWPS) for cobalt have been observed in downgradient monitoring well BAW-3 but have not been confirmed as an SSL. Following the March 2025 monitoring event, an ASD was prepared to address GWPS exceedances for cobalt in BAW-3. The ASD was completed on September 24, 2025. The ASD was uploaded to the Operating Record and is included as **Appendix A, Alternate Source Demonstration**. The information presented in the ASD demonstrates that a source other than the former CCR Unit caused elevated cobalt detected in groundwater samples collected from BAW-3. Therefore, an assessment of corrective measures is not required, no further action is necessary. Mississippi Power Company (MPC) has achieved post-closure care obligations pursuant to 40 CFR §257.102(c)(1)(ii) and has ceased groundwater monitoring activities.

Analytical data from the March 2025 semi-annual monitoring event are included as **Appendix B, Laboratory Analytical Data and Field Sampling Records**.

3.0 SITE LOCATION AND DESCRIPTION

Plant Daniel is an electric generating facility consisting of two coal-fired units and two natural gas combined cycle units. The plant is located near the town of Escatawpa, Jackson County, Mississippi immediately northwest of the intersection of Mississippi State Highways 63 and 613. The Site is located north of the main plant and northwest of the intersection of Mississippi State Highways 63 and 613, between the Pascagoula River to the west and Highway 63 to the east. The site address is 13201 Highway 63 N, Escatawpa, Mississippi 39562.

The Site is located within Section 35, Township 5 South, Range 6 West, Sections 37, 10, 15, East half of Section 9, Southwest ¼ of Section 2, Northwest ¼ and south half of Section 11, and the north half and northwest ¼ of the southwest ¼ of Section 14, all of Township 6 South, Range 6 West. **Figure 1, Site Location Map**, depicts the location of Plant Daniel relative to site features and the surrounding area.

3.1 Regional Geology & Hydrogeologic Setting

Jackson County lies in the Pascagoula River Drainage Basin in the Gulf Coastal Plain physiographic province. Topographically, the province is gently rolling to flat with local salt marshes. Rock outcrops are sedimentary in origin and range in age from late Miocene to Recent (Gandl, 1982). A dominant regional structural feature which affects the sediments of Miocene and younger age is the Gulf Coast geosyncline. The sediments dip toward the Gulf of Mexico. Where formations are near the surface, dips are from 15 to 35 feet/mile. Further from the outcrop, dips increase dramatically with depth. Fresh-water aquifers in the Pascagoula area are sand or a mix of sand and gravel beds of Miocene age or younger. These freshwater aquifers and occur less than 1,000 feet below the surface.

The surficial soils underlying Plant Daniel are related to the southern Mississippi's semi-tropical climate and the weathering of parent geologic materials. The resulting soil profile consists of a variety of sediments including sand, silt, clay, gravel, and organics and ranges in age from the Cenozoic to Pleistocene period. Previous site investigations indicate that there are five distinctive geologic units that immediately underlie the site and surrounding area.

- Unit 1 consists of a sandy clay aquitard that is considered to be discontinuous across the site. Unit 1 outcrops at the surface and extends to a maximum depth of 32 feet beneath the site.
- Unit 2 consists of a sand aquifer that extends to approximately 70 feet below land surface (BLS) and is the uppermost aquifer underlying the site.
- Unit 3 is a clay aquitard that immediately underlies Unit 2 and has a thickness ranging from 2.5 to

9.5 feet across the site.

- Unit 4 is a sand and gravel aquifer with a thickness of 34 feet or greater.
- Unit 5 is a clay aquitard.

3.2 Uppermost Aquifer

Two aquifers supply water to the Pascagoula area. These are the Pliocene-age Citronelle and the Miocene Aquifer System, which includes the Graham Ferry Aquifer. Plant Daniel is in the Citronelle aquifer outcrop area. The Citronelle Aquifers are the shallowest aquifers in the Pascagoula area. Although principally a sand and gravel formation, the Citronelle is characterized by occasional lenses and layers of clay which may cause semi-artesian conditions. Sediments become coarse near the irregular contact with the underlying Pascagoula or Graham Ferry Formation. Also, the Citronelle and overlying coastal deposits are considered one hydrogeologic unit. The Citronelle is primarily a water table aquifer with a saturated thickness of about 45 feet. Recharge is primarily by rainfall which moves vertically and down dip to recharge underlying aquifers and to sustain local streams (Wasson, 1978). For groundwater monitoring purposes, all on-site compliance wells are screened within the uppermost Unit 2 sand aquifer.

4.0 GROUNDWATER MONITORING SYSTEM

Pursuant 40 CFR § 257.91, Plant Daniel designed and installed a certified groundwater monitoring system within the uppermost aquifer (Unit 2) to monitor groundwater quality in the immediate vicinity of the regulated unit. The Professional Engineer (PE)-certified groundwater monitoring system for AP-B is designed to monitor groundwater passing the waste boundary of the CCR unit within the uppermost aquifer. As required by § 257.90(e), the following also describes monitoring-related activities performed during the preceding year.

4.1 Compliance Monitoring Network

Groundwater monitoring wells at the Site are designated as upgradient compliance wells and downgradient compliance wells. Monitoring wells BAW-1 and BAW-2A serve as upgradient locations for AP-B. Upgradient wells are screened within the same hydrostratigraphic interval(s) as the downgradient locations and represent background groundwater quality at the Site. Upgradient wells are positioned along the northeastern portion of the unit as determined by water level monitoring and potentiometric surface maps constructed for the Site. Monitoring well locations BAW-3 through BAW-5 and BAW-7 serve as downgradient locations for AP-B. The location and designation of Site wells are presented on **Figure 2, Monitoring Well Location Map. Table 1, Monitoring Well Network Summary,** summarizes the

monitoring well construction details, surveyed elevations, and design purpose for the Plant Daniel AP-B.

4.2 Monitoring Well Installation, Abandonment, and Maintenance

Monitoring well replacement and/or abandonment activities were not performed during the 2025 annual monitoring period. Each on-site well was visually inspected prior to sample collection for potential issues such as structural damage, contamination, or maintenance concerns that could compromise sample integrity. No issues were observed during the pre-sampling well inspection, and each well was determined to be in proper working order.

5.0 GROUNDWATER SAMPLING AND ANALYSIS

Site compliance wells are sampled semi-annually, generally in late winter to mid-spring and early to late fall. The temporal spacing ensures sampling events yield independent groundwater samples that generally represent natural variabilities in groundwater quality associated with different climatic and/or meteorological seasons.

During routine semi-annual monitoring events, compliance network wells are sampled and analyzed for Appendix III and Appendix IV constituents. The following subsections summarize the sequential steps and processes for sampling, handling, and transport, and analyzing compliance-related groundwater samples at the Site.

5.1 Groundwater Sample Collection

Prior to recording water levels and collecting samples, each well was opened and allowed to equilibrate to atmospheric pressure. Within a 24-hour period, groundwater depths were measured to the nearest 0.01 foot with an electronic water level indicator referenced from the top of the inner polyvinyl chloride (PVC) well casing. Groundwater elevations were calculated by subtracting the depth to groundwater from surveyed top-of-casing (TOC) elevations.

Groundwater samples were collected in accordance with 40 CFR § 257.93(a). The monitoring wells at Plant Daniel were purged and sampled from dedicated pumps using low-flow sampling procedures. Field water quality indicator parameters were monitored and recorded prior to sampling with a downhole Aqua TROLL® instrument or similar calibrated per the manufacturer's specifications. Groundwater samples were collected when the following stabilization criteria were met:

- 0.2 standard units for pH
- 5% for specific conductance
- 0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)
- Turbidity measurements less than 5 NTU
- Temperature and ORP - record only, no stabilization criteria

Once stabilization was achieved, samples were submitted to the laboratory following standard chain-of-custody (COC) protocols. Field data recorded in support of groundwater sampling activities for the monitoring period are included in **Appendix B**.

5.2 Sampling Preservation and Handling

Groundwater samples were collected in the designated size and type of laboratory-supplied containers required for specific parameters. Sample bottles were pre-preserved by the laboratory. Where temperature control was required, samples were placed in an ice-packed cooler and cooled to less than 6 °C immediately after collection. Blue ice or other cooling packs were not used for cooling samples. An ice-packed cooler was present during sample collection.

5.3 Chain of Custody

A COC record was used to track sample possession from the time of collection to the time of receipt at the laboratory. All samples were handled under strict COC procedures beginning in the field. COC records are included with the laboratory analytical data reports in **Appendix A**.

5.4 Laboratory Analysis

Laboratory analyses were performed by Eurofins Environment Testing (Eurofins) of Pittsburgh, Pennsylvania, Savannah, Georgia, and St. Louis, Missouri. Eurofins is accredited by the National Environmental Laboratory Accreditation Program (NELAP). Eurofins maintains a NELAP certification for all parameters analyzed for this project. Groundwater analytical data and chain-of-custody records for the monitoring events are presented in **Appendix B**.

6.0 GROUNDWATER ELEVATION AND FLOW

Groundwater elevations ranged from 5.65 to 7.79 feet referenced to the North American Datum of 1988 (NAVD88) during the March 2025 semi-annual monitoring event. **Figure 3, Potentiometric Surface Contour Map (March 17, 2025)** depict the groundwater elevations and inferred flow directions.

As shown on **Figure 3**, groundwater flow is generally to the southwest, consistent with historic observations. Groundwater elevations from the 2025 semi-annual monitoring events are tabulated and included in **Table 2, Groundwater Elevations Summary** for reference.

6.1 Groundwater Velocity Calculations

As part of AP-B closure, a dewatering system was installed and began operation during the 2021 and 2022 monitoring periods. The dewatering system significantly lowered the groundwater level at AP-B to facilitate the excavation of CCR material and pond liner. In all, 22 extraction wells were installed around the perimeter of AP-B. While the dewatering system was active, groundwater elevations were lowered and were not consistent with historical levels. The dewatering system was active from April 2021 through March 2023. After CCR material was removed, a lined storage water pond was constructed at the former CCR storage area and filled with groundwater extracted from the dewatering system. The dewatering system was shut off in March 2023 and groundwater elevations have since returned to pre-dewatering conditions.

A general estimate of groundwater flow velocities at the site were calculated based on hydraulic gradients, hydraulic conductivities derived from previous slug test results, and an estimated effective porosity of the screened horizon(s). Based on slug testing performed in the uppermost aquifer, the average horizontal hydraulic conductivity was calculated to be approximately 25 feet/day. Hydraulic gradients were calculated from groundwater elevation data during the 2025 monitoring events between the select well pairs presented in **Table 3, Groundwater Flow Velocity Calculations**. An estimated effective porosity of 0.2 was used based on the default values for effective porosity recommended by USEPA for a silty sand-type soil (USEPA, 1989). Horizontal flow velocity was calculated using the commonly used derivative of Darcy's Law:

$$V = \frac{K * i}{n_e}$$

Where:

V = Groundwater flow velocity $\left(\frac{feet}{day}\right)$

K = Average permeability of the aquifer $\left(\frac{feet}{day}\right)$

i = Horizontal hydraulic gradient

n_e= Effective porosity

Groundwater monitoring wells BAW-1 and BAW-5 were used to calculate Flow Path A and BAW-3 and BAW-5 were used to calculate Flow Path B. The horizontal hydraulic gradients ranged from 0.0012 feet per foot (ft/ft) to 0.0018 ft/ft. As presented on **Table 3,** groundwater flow velocity at the site ranges from approximately 0.15 feet per day (ft/day) (or approximately 55.55 feet per year) to 0.22 feet/day (or approximately 80.13 feet per year). These calculated groundwater flow velocities across the site are consistent with historical calculations and with expected velocities.

7.0 EVALUATION OF GROUNDWATER QUALITY DATA

During each sampling event, quality assurance/quality control samples (QA/QC) were collected at a rate of one sample per every 10 samples and included well duplicates, equipment blanks, and field blanks. Routine analyses of field QA/QC samples are a method for evaluating whether artificial bias could have been introduced into lab results by means of sampling activities or equipment.

7.1 Quality Assurance and Quality Control

Laboratory analytical precision is measured through the calculation of the relative percent difference (RPD) between two data sets generated from a similar source. specifically, between the original compliance and field duplicate samples. For groundwater analytical data, quality control procedures include calculating the RPD (where field duplicates are collected) between the sample and duplicate sample duplicate concentrations as is calculated as:

$$RPD = \frac{Conc1 - Conc2}{(Conc1 + Conc2)/2}$$

Where:

RPD = Relative Percent Difference (%)

Conc1 = Higher concentration of the original or field duplicate sample

Conc2 = Lower concentration of the original or field duplicate sample

A RPD is calculated for each constituent detected above the RL. Where the RPD is below 20%, the difference is considered acceptable, and no further action is needed. Where an RPD is greater than 20%, further evaluation is required to attempt to determine the cause of the difference and potentially result in qualified data. **Table 4, Relative Percent Difference Calculations**, provides the relative percent differences for sample and sample duplicates during 2025 sampling event.

During the March 2025 semi-annual event, RPD exceeded 20% for chloride, chromium, cobalt, and TDS for the sample and field duplicate collected from BAW-7. Additionally, molybdenum was detected in the parent sample but was below the method detection limit in the field duplicate sample for BAW-7.

If RPD exceeds 20% for samples with concentrations greater than five times the RL, the parent sample and duplicate sampling are qualified with "(+) J." When the concentrations in the parent sample or duplicate sample are less than five times the RL and the difference between the parent sample concentration and duplicate concentration are greater than the RL, the parent and duplicate samples are qualified with "(+) J, (ND) UJ." A summary of qualified data from 2025 monitoring period is provided below.

Well ID	Sample Date	Constituent	Original Concentration (mg/L)	Field Duplicate Concentration (mg/L)	RPD (%)	Reporting Limit (mg/L)	Data Qualifier
BAW-7	03/18/25	Chloride	5.02	6.17	20.6%	1.0 mg/L	(+) J
BAW-7	03/18/25	Chromium	0.00762	1.62	198.1%	0.002 mg/L	(+) J, (ND) UJ
BAW-7	03/18/25	Molybdenum	Non-detect	0.0110	≥75%	0.005	(+) J, (ND) UJ
BAW-7	03/18/25	TDS	0.00176	0.00599	109.2%	0.0005 mg/L	(+) J, (ND) UJ

No additional data qualification is required for the 2025 monitoring period.

8.0 STATISTICAL METHODOLOGY AND TESTS

Statistical analysis of Appendix III and Appendix IV groundwater monitoring data was performed on samples collected from the certified groundwater monitoring network pursuant to 40 CFR § 257.93 and following the appropriate PE-certified method. Sanitas™ groundwater statistical software was used to perform the statistical analyses. Sanitas™ is a decision support software package that incorporates the statistical tests required of Subtitle C and D facilities by EPA regulations. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015) as well as with the USEPA Unified Guidance (2009).

8.1 Appendix III Evaluation

Intrawell and interwell prediction limits, combined with a 1-of-2 verification (resample) plan, were constructed for the analyzed Appendix III constituents. Intrawell prediction limits compare the most recent compliance sample from a given well to historical data from the same well and provide statistical limits representative of the background data population. Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The most recent sample from each downgradient well is compared to the background limit to determine whether initial exceedances are present and to identify potential SSIs. When an initial (or apparent) statistically significant increase or questionable result occurs, a second sample may be collected to verify the initial result or determine if the result was an outlier. If the second sample exceeds its respective background statistical limit, an SSI is identified. If the second sample is below its respective background limit, there is no SSI. In accordance with the Unified Guidance, the following adjustments were made to the statistical analysis program:

- No statistical analyses are required on wells and constituents containing 100% non-detects (EPA Unified Guidance, 2009, Chapter 6).
- When background data contain <15% non-detects, a simple substitution of one-half the reporting limit is used in the statistical analysis. The reporting limit used for non-detects is the practical quantitation limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data.
- Non-parametric prediction limits are used on data containing greater than 50% non-detects.

8.2 Appendix IV Evaluation

When in assessment monitoring, Appendix IV constituents are sampled semi-annually, and concentrations are compared to GWPS. Unlike the statistical evaluation of Appendix III constituents (where single-sample results are compared to the statistical limit), Appendix IV analysis uses the pooled results from each downgradient well to develop a well-specific Confidence Interval that is compared to the statistical limit. The statistical limit is either the tolerance limit (i.e., background) calculated using the pool of all available upgradient well data (see Chapter 7 of the Unified Guidance), or an applicable groundwater protection standard such as the Maximum Contaminant Level (MCL). Appendix IV background data are screened for outliers and extreme trending patterns that would lead to artificially elevated statistical limits.

Parametric tolerance limits (i.e., Upper Tolerance Limits (UTLs)) were calculated using pooled upgradient

well data for Appendix IV parameters with a target of 95% confidence and 95% coverage. The confidence and coverage levels for nonparametric tolerance limits are dependent on the number of background samples. The UTLs were then used as the Groundwater Protection Standards (GWPS).

As described in § 257.95(h)(1)-(3), the GWPS is:

(1) The MCL established under § 141.62 and 141.66 of this title.
(2) Where an MCL has not been established:
    (i) Cobalt 0.006 milligrams per liter (mg/L);
    (ii) Lead 0.015 mg/L;
    (iii) Lithium 0.040 mg/L; and
    (iv) Molybdenum 0.100 mg/L.
(3) Background levels for constituents where the background level is higher than the MCL or rule-identified GWPS.

Following the above requirements, GWPS have been established for statistical comparison of Appendix IV constituents.

8.3 Statistical Exceedances

Laboratory analytical data from the March 2025 semi-annual monitoring event were statistically analyzed in accordance with the PE-certified Statistical Analysis Plan (October 2017) by Groundwater Stats Consulting, LLC. Statistical analyses were performed to determine if Appendix III constituent concentrations have returned to background levels. Appendix IV assessment monitoring constituents were evaluated to determine if concentrations statistically exceeded the established groundwater protection standard.

8.3.1 Appendix III Evaluation

A review of the Sanitas™ results presented in **Appendix C, Statistical Analysis** identified the following Appendix III SSIs during the March 2025 semi-annual monitoring event:

- BAW-4: Calcium
- BAW-5: Boron, Calcium, pH, Sulfate, and TDS

Since the site is performing assessment monitoring, no further action is required regarding these SSIs.

8.3.2 Appendix IV Evaluation

To complete the statistical comparison to GWPS, confidence intervals were constructed for each Appendix IV constituent detected in each of the downgradient monitoring wells. Those confidence intervals were compared to the GWPS. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard.

Using GWPS established according to 40 CFR §257.95(h), statistical analysis of Appendix IV data identified the following SSL of a GWPS during the March 2025 semi-annual monitoring event at the listed well:

- BAW-5: Lithium

In accordance with §257.95(g), a notification identifying the SSLs for lithium was placed in the facility's Operating Record on November 14, 2018. As discussed in Section 9.0, an ASD was previously prepared for this SSL, and no further action is required.

9.0 ALTERNATE SOURCE DEMONSTRATION

In accordance with 40 CFR § 257.95(g)(3)(ii), the owner or operator may demonstrate that a source other than the CCR Unit has caused an SSI or SSL or that an exceedance resulted from errors in sampling, analysis, statistical evaluation, or natural variation in groundwater quality. An ASD report for the elevated lithium concentrations was submitted on July 12, 2019. As discussed in the ASD report, the elevated lithium concentrations are not attributable to the regulated unit but rather stem from a natural variability in groundwater quality. Therefore, pursuant to §257.95(g)(3)(ii), an assessment of corrective measures is not required, and AP-B will remain in assessment monitoring.

Since removal of CCR from the former unit was completed in late 2021, concentrations exceeding the GWPS for cobalt have been observed in downgradient monitoring well BAW-3 but have not been confirmed as an SSL. Following the March 2025 monitoring event, an ASD was prepared to address GWPS exceedances for cobalt in BAW-3. The ASD was completed on September 24, 2025. The ASD was uploaded to the Operating Record and is included as Appendix A. The information presented in the ASD demonstrates that elevated cobalt concentrations detected in groundwater from BAW-3 are attributed to naturally occurring sources and changing conditions during closure and are not a result of a release from AP-B. Therefore, an assessment of corrective measures is not required, no further action is necessary, and MPC has achieved post-closure care obligations pursuant to 40 CFR §257.102(c)(1)(ii). As a result, MPC

has ceased groundwater monitoring activities at AP-B and a closure certification will follow this final Annual Groundwater Monitoring and Corrective Action report.

10.0 SUMMARY AND CONCLUSIONS

Based on results reported in the *2025 Annual Groundwater and Corrective Action Monitoring Report* and the *Alternate Source Demonstration Report* completed on September 24, 2025, MPC has satisfied post-closure care and groundwater monitoring obligations at the former unit. Groundwater samples were collected in March 2025 from the certified well network and analyzed for constituents listed in Appendix III and Appendix IV. Statistical evaluations of the 2025 assessment monitoring data identified an SSL of lithium above the GWPS in monitoring well BAW-5 and a non-SSL GWPS exceedance of cobalt in BAW-3. However, as discussed in the 2019 and 2025 ASD reports, the elevated concentrations are not attributable to the regulated unit, but rather stem from a natural variability in groundwater quality and changing site conditions as a result of closure. In accordance with 40 CFR §257.102(f)(3) MPC will certify that closure has been completed following the submittal of this final Annual Groundwater Monitoring and Corrective Action report.

11.0 REFERENCES

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Southern Company

TABLES

Table 1.
Monitoring Well Network Summary

Well ID	Purpose	Installation Date	Latitude	Longitude	Total Well Depth (feet)	Top of Casing Elevation (feet MSL)	Ground Elevation (feet MSL)	Top of Screen Elevation (feet MSL)	Bottom of Screen Elevation (feet MSL)
BAW-1	Upgradient	7/23/2015	30.54178	-88.55594	60.72	32.24	29.22	-23.18	-28.18
BAW-2	Upgradient (Abandoned)	7/23/2015	30.53975	-88.5559	64.53	42.43	39.70	-11.80	-21.80
BAW-2A	Upgradient	3/19/2018	30.53969	-88.5559	66.93	41.15	38.22	-15.28	-25.28
BAW-3	Downgradient	7/23/2015	30.53747	-88.55603	67.62	40.62	37.60	-16.70	-26.70
BAW-4	Downgradient	7/23/2015	30.5374	-88.55766	69.13	37.05	34.12	-21.78	-31.78
BAW-5	Downgradient	7/23/2015	30.53773	-88.55904	69.12	39.93	37.41	-18.89	-28.89
BAW-7	Downgradient	7/23/2015	30.54105	-88.55693	63.80	35.60	35.92	-18.01	-28.01
PZ-8	Piezometer	3/14/2018	30.53753	-88.55888	68.29	40.05	37.26	-17.74	-27.74
PZ-9	Piezometer	3/15/2018	30.53742	-88.55897	62.82	39.32	36.50	-13.00	-23.00

Notes:

1. BAW-2 was replaced by BAW-2A due to well damage.

2. Elevations shown are referenced Mean Sea Level (MSL) to NAVD 88 (G12) U.S. Survey Feet.

3. MSL refers to Mean Sea Level.

4. BAW-7 was modified during closure to match new grade. Thompson Engineering certified the survey on January 23, 2023.

Table 2.
Groundwater Elevations Summary - 2025

Well ID	Top of Casing Elevation (feet MSL)	Groundwater Elevations (feet MSL)
		March 17, 2025
BAW-1	32.24	7.79
BAW-2A	41.15	7.36
BAW-3	40.62	7.33
BAW-4	37.05	6.28
BAW-5	39.93	5.65
BAW-7	35.05	7.23
PZ-8	40.05	5.84
PZ-9	39.32	5.80

Notes:

1. MSL refers to Mean Sea Level

Table 3.
Groundwater Flow Velocity Calculations - 2025

Flow Path A								
	BAW-1 h_1 (ft)	**BAW-5** h_2 (ft)	**Distance** Δl (ft)	**Hydraulic Gradient** Δh/Δl (ft/ft)	**Hydraulic Conductivity** K	**Assumed Effective Porosity (ne)**	**Calculated Groundwater Flow Velocity (feet/day)**	**Calculated Groundwater Flow Velocity (feet/year)**
March 17, 2025	7.79	5.65	1764	0.0012	25.09	0.2	0.15	55.55

Flow Path B								
	BAW-3 h_1 (ft)	**BAW-5** h_2 (ft)	**Distance** Δl (ft)	**Hydraulic Gradient** Δh/Δl (ft/ft)	**Hydraulic Conductivity** K	**Assumed Effective Porosity (ne)**	**Calculated Groundwater Flow Velocity (feet/day)**	**Calculated Groundwater Flow Velocity (feet/year)**
March 17, 2025	7.33	5.65	960	0.0018	25.09	0.2	0.22	80.13

Notes:
ft=feet
ft/d = feet/day
ft/ft = feet per foot
ft/yr = feet per year

Table 4.
Relative Percent Difference Calculations

1st Semi-Annual Monitoring Event				
Parameter	**Units**	**Monitoring Point Identification**		**Relative Percent Difference (RPD %)**
		BAW-2A	**DUP-01**	
Chloride	mg/L	12.2	12.4	1.6
Sulfate	mg/L	5.98	6.05	1.2
Barium	mg/L	0.0388	0.0417	7.2
Calcium	mg/L	0.795	0.837	5.1
Cobalt	mg/L	0.00103	0.00108	4.7
Parameter	**Units**	**Monitoring Point Identification**		**Relative Percent Difference (RPD %)**
		BAW-7	**DUP-02**	
Chloride	mg/L	5.02	6.17	20.6
Barium	mg/L	0.0225	0.0229	1.8
Calcium	mg/L	0.940	0.960	2.1
Chromium	mg/L	0.00762	1.62	198.1
Cobalt	mg/L	0.00176	0.00599	109.2
Molybdenum	mg/L	0.00500	0.0110	≥75
TDS	mg/L	26.0	34.0	26.7

Notes:

1. mg/L - milligrams per liter

2. "J-flagged" concentrations, or estimated concentrations detected above the method detection limit but below the reporting limit, were not used for RPD calculations

3. Reporting limit used for nondetects

Table 5.
Summary of Background Levels and Groundwater Protection Standards

Analyte	Units	Background	Rule-Identified GWPS	GWPS
Antimony	mg/L	0.002	0.006	0.006
Arsenic	mg/L	0.001	0.01	0.01
Barium	mg/L	0.051	2	2
Beryllium	mg/L	0.001	0.004	0.004
Cadmium	mg/L	0.001	0.005	0.005
Chromium	mg/L	0.0029	0.1	0.1
Cobalt	mg/L	0.0017	0.006	0.006
Combined Radium-226/228	pCi/L	2.5	5	5
Fluoride	mg/L	0.1	4	4
Lead	mg/L	0.001	0.015	0.015
Lithium	mg/L	0.012	0.04	0.04
Mercury	mg/L	0.0002	0.002	0.002
Molybdenum	mg/L	0.005	0.1	0.1
Selenium	mg/L	0.005	0.05	0.05
Thallium	mg/L	0.001	0.002	0.002

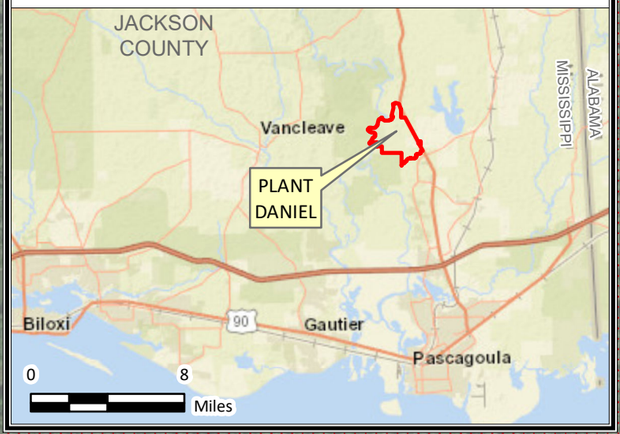
Notes:

1. If background is less than the rule-identified GWPS, the rule-identified GWPS were used for statistical analysis.

Southern Company

FIGURES

SITE LOCATION OVERVIEW MAP



CENTRAL ASH MANAGEMENT UNIT

ASH POND B

MS HWY 63

N

LEGEND

- Ash Pond B Boundary
- Central Ash Management Unit (CAMU) Boundary
- Property Boundary (Approximate)

0 1,000 Feet

Projection: NAD 1983 State Plane Mississippi East FIPS2301 Feet
Base Map: Maxar Vivid Standard, 10/31/2016 (west), 11/17/2020 (east).

SCALE	1:12000
DATE	1/21/2025
DRAWN BY	KAR
CHECKED BY	AWH

DRAWING TITLE:
SITE LOCATION MAP
PLANT DANIEL
ASH POND B

FIGURE NO.
FIGURE 1

Southern Company



NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. NM indicates not measured.

LEGEND

- Downgradient Compliance Well
- Upgradient Compliance Well
- Piezometer
- Abandoned Well
- Ash Pond B Boundary
- Property Boundary (Approximate)

0 250 Feet

Base Map: Maxar Vivid Standard, 10/16/2021.
Projection: NAD 1983 State Plane Mississippi East FIPS2301 Feet

SCALE	1:3,000
DATE	1/12/2026
DRAWN BY	KAR
CHECKED BY	RFS

DRAWING TITLE:
WELL LOCATION MAP
PLANT DANIEL
ASH POND B

FIGURE NO.
FIGURE 2

Southern Company



NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. NM indicates not measured.

LEGEND

- Downgradient Compliance Well
- Upgradient Compliance Well
- Piezometer
- Estimated Potentiometric Surface Contour
- Approximate Groundwater Flow Direction
- Ash Pond B Boundary
- Property Boundary (Approximate)

BAW-1 Well Name
7.79 Groundwater Elevation (ft NAVD88)

0 250 Feet

Base Map: Maxar Vivid Standard, 10/31/2016
Projection: NAD 1983 State Plane Mississippi East FIPS2301 Feet

SCALE	1:3,000
DATE	1/12/2026
DRAWN BY	KAR
CHECKED BY	RFS

DRAWING TITLE:
POTENTIOMETRIC SURFACE CONTOUR MAP
MARCH 17, 2025
PLANT DANIEL ASH POND B

FIGURE NO.
FIGURE 3

Southern Company

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APPENDIX A

Alternate Source Demonstration

ALTERNATE SOURCE DEMONSTRATION REPORT

MISSISSIPPI POWER COMPANY

PLANT VICTOR DANIEL

ASH POND B

September 24, 2025

Prepared for

Mississippi Power Company

Gulfport, Mississippi

By

Southern Company Services

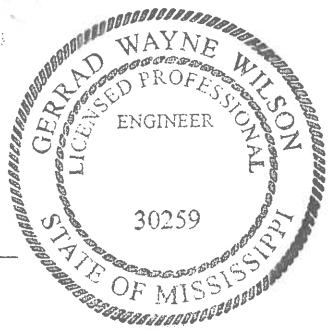
Earth Science and Environmental Engineering



CERTIFICATION STATEMENT

This *Alternate Source Demonstration* has been prepared in compliance with the United States Environmental Protection Agency's coal combustion residual rule (40 CFR Part 257, Subpart D) under the supervision of a licensed professional engineer with Southern Company Services, Inc.

I hereby certify that the information presented in this Alternate Source Demonstration is accurate as required by 40 CFR § 257.95(g)(3).



Gerrad Wilson, P.E. 09/22/25

Gerrad Wilson, PE — Date

MS Licensed Professional Engineer No. 30259

TABLE OF CONTENTS

1.0 Introduction 1

1.1 Monitoring Program Status 1

1.2 Closure Status 1

1.3 BAW-3 Cobalt 2

2.0 Site Location and Description 4

2.1 Regional & Site Geology 4

2.2 Uppermost Aquifer 5

3.0 Alternate Source Demonstration 6

3.1 AP-B Liner System 6

3.2 Closure Status & Removal of CCR 7

3.3 Groundwater Flow Direction 7

3.4 Groundwater Geochemistry 8

3.4.1 Boron Concentrations 8

3.4.2 Stiff Diagrams 8

3.4.3 pH and Cobalt Concentrations 9

3.4.4 Naturally Occurring Cobalt 9

3.4.5 Desorption of Naturally Occurring Cobalt to Groundwater 10

4.0 Summary and Conclusions 12

5.0 References 14

FIGURES

Figure 1	Site Location Map
Figure 2	Well Location Map
Figure 3	Closure Timeline & Cobalt Concentration Comparison
Figure 4a	Potentiometric Surface Contour Map, October 2017
Figure 4b	Potentiometric Surface Contour Map, March 2025
Figure 5	Stiff Diagrams
Figure 6	Cobalt & pH Time Series
Figure 7	pH vs. Cobalt Scatterplot
Figure 8	Cobalt in Soil & Sediment Box & Whisker Plot

TABLES

Table 1	Monitoring Well Network Summary
Table 2	Data Summary
Table 3	Published Cobalt Concentrations - Hancock, Jackson, & Harrison Counties, Mississippi
Table 4	Predicted Groundwater Concentrations

APPENDICES

Appendix A	Laboratory and Field Reports
Appendix B	BAW-3 Boring and Well Construction Logs
Appendix C	Dewatering Data

ABBREVATIONS

ACM	Assessment of Corrective Measures
AP-B	Ash Pond B
ASD	Alternate Source Demonstration
BGS	Below ground surface
CCR	Coal Combustion Residuals
CFR	Code of Federal Regulations
CQA	Construction Quality Assurance
EPRI	Electric Power Research Institute
Geosyntec	Geosyntec Consultants, Inc.
GWPS	Groundwater Protection Standard
HDPE	High-density polyethylene
K_d	Partition coefficient
L/kg	Liters per kilogram
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
MPC	Mississippi Power Company
NAMU	North Ash Management Unit
NGCD	National Geochemical Database
Site	Plant Daniel
SSI	Statistically significant increase
SSL	Statistically significant level
SU	Standard Units
TDS	Total dissolved solids
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey

1.0 INTRODUCTION

This Alternate Source Demonstration (ASD) report has been prepared pursuant to the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule (40 Code of Federal Regulations [CFR] Part 257 Subpart D) to address cobalt detected exceeding the groundwater protection standard (GWPS) in monitoring well BAW-3 at Mississippi Power Company (MPC) Plant Daniel (Site) Ash Pond B (AP-B). This document satisfies the requirements of 40 CFR §257.95(g)(3)(ii), which allows the owner or operator to demonstrate that a source other than the CCR unit caused an exceedance in groundwater. The data presented in this ASD strongly supports the following conclusion: cobalt naturally occurs at the Site and exceedances observed in BAW-3 are due to the mobilization of very low concentrations of cobalt from Site soils to groundwater at concentrations above the GWPS (0.006 milligrams per liter [mg/L], or 6 parts per billion). Based on this demonstration, the facility will not pursue an assessment of corrective measures (ACM) should cobalt concentrations be confirmed at a statistically significant level (SSL) above the GWPS. Additionally, because AP-B was closure-by-removal and cobalt has been attributed to a naturally occurring source, this ASD also demonstrates that MPC has met the closure requirements established by 40 CFR §257.102(c)(1)(ii) and may cease post-closure care groundwater monitoring.

1.1 Monitoring Program Status

Statistically significant increases (SSIs) of Appendix III constituents over background were identified in the results of the 2017 detection monitoring event. SSLs of the Appendix IV constituent lithium were identified in downgradient compliance well BAW-5 during the 2018 monitoring period. An ASD was prepared to address the SSLs for lithium and was completed July 12, 2019. The ASD was submitted in the *2019 Annual Groundwater Monitoring and Corrective Action Report*. Therefore, pursuant to §257.95(g)(3)(ii), an assessment of corrective measures was not required, and AP-B remains in assessment monitoring.

1.2 Closure Status

MPC closed AP-B through removal of CCR from the former unit under 40 CFR § 257.102(c). The surface impoundment was dewatered as required to facilitate the excavation of ash and the underlying liner for removal. CCR was excavated, transported, and disposed of in the Plant Daniel North Ash Management Unit (NAMU) permitted landfill and the permitted Pecan Grove Landfill. Closure included removing all visible ash present over the existing high-density polyethylene (HDPE) liner. The original Closure Plan

summary for AP-B was published to MPC's CCR compliance webpage in October 2016, and a revised Closure Plan summary along with the Notice of Intent to Close were published to the same webpage in September 2020. A final *Construction Quality Assurance (CQA) Certification Report, Ash Pond B Closure* was prepared by Geosyntec Consultants, Inc. (Geosyntec) on May 16, 2022 and submitted to MPC. Closure activities consisted of installation and operation of 22 dewatering wells, removal of CCR and the existing HDPE liner, certification that all CCR and debris had been removed from the initial cut, excavation of a minimum of 6 inches of native soil below the bottom of CCR, and certification that no CCR was present after the final cut. Initial excavation activities began on September 9, 2020, and CCR removal and underlying 6 inches of native soil was verified complete on December 15, 2021.

Geosyntec monitored the backfilling of AP-B as part of closure construction from June 6, 2021 through March 3, 2022. Fill material was acquired from three approved borrow sources, provided in the 2022 CQA report, and was used for the backfilling of AP-B, construction of a filter berm, and other miscellaneous construction activities. Following the backfilling of AP-B, the former CCR unit was repurposed into three lined settlement ponds for plant process water. Construction was completed in early 2023 and the ponds were initially filled using the dewatering wells. The dewatering wells were subsequently decommissioned and abandoned in March 2023.

1.3 BAW-3 Cobalt

To date, SSLs of the Appendix IV constituent cobalt have not been observed at BAW-3. Prior to the operation of the dewatering wells in January 2021, cobalt concentrations had been observed ranging from 0.0046 to 0.0068 mg/L but not being identified as statistically significant exceedances above the GWPS (0.006 mg/L). Once dewatering activities began in January 2021, concentrations of cobalt in BAW-3 decreased to 0.00339 mg/L and remained in that range for the next two sample events. After 18 months of pumping and cobalt concentrations remaining between 0.00289 and 0.00339 mg/L, concentrations increased to 0.00821 mg/L in October 2022. In January 2023, dewatering activities ceased. Since dewatering ceased, cobalt concentrations have remained elevated above the GWPS and pre-dewatering levels, ranging from 0.00821 to 0.0105 mg/L.

Cobalt has still not been identified as an SSL, and for the first time since dewatering stopped, concentrations of cobalt in BAW-3 decreased in the March 2025 sampling event. However, as previously mentioned in Section 1.0, 40 CFR §257.102(c) states that to obtain the completion of closure certification for a closure by removal, "groundwater monitoring concentrations of the constituents listed in Appendix IV to this part do not exceed groundwater protection standards pursuant to §257.95(h)." Furthermore, 40 CFR

§257.102(c)(1)(ii) states that "documentation that groundwater protection standards have been met for the constituents listed in Appendix IV to this part must consist of groundwater monitoring results that show no constituents were detected at statistically significant levels above the groundwater protection standards for either: (A) two consecutive monitoring events; or (B) three years." Cobalt has not been reported as an SSL; however, MPC opted to continue monitoring while changes in cobalt concentrations in post-closure were further evaluated.

The evaluation presented herein provides a demonstration that the source of cobalt at BAW-3 can be attributed to naturally occurring cobalt in native soils and is not caused by a release from former AP-B. By evaluating Site conditions, closure status, groundwater flow direction, groundwater chemistry, and naturally occurring cobalt in the region, it has been determined that cobalt is likely was mobilized from native soils due to changes in pH resulting from dewatering activities.

The information presented in this ASD demonstrates that a source other than the former CCR Unit caused elevated cobalt detected in groundwater samples collected from BAW-3. Therefore, an assessment of corrective measures is not required, no further action is necessary, and MPC has achieved post-closure care obligations pursuant to 40 CFR §257.102(c)(1)(ii) and may cease groundwater monitoring activities. The following sections describe the Site and document the lines of evidence for the ASD.

2.0 SITE LOCATION AND DESCRIPTION

Plant Daniel is an electric generating facility consisting of two coal-fired units and two natural gas combined cycle units. The plant is located near the town of Escatawpa, Jackson County, Mississippi immediately northwest of the intersection of Mississippi State Highways 63 and 613. The Site is located north of the main plant and northwest of the intersection of Mississippi State Highways 63 and 613, between the Pascagoula River to the west and Highway 63 to the east. The Site address is 13201 Highway 63 N, Escatawpa, Mississippi 39562.

The Site is located within Section 35, Township 5 South, Range 6 West, Sections 37, 10, 15, East half of Section 9, Southwest ¼ of Section 2, Northwest ¼ and south half of Section 11, and the north half and northwest ¼ of the southwest ¼ of Section 14, all of Township 6 South, Range 6 West. **Figure 1, Site Location Map**, depicts the location of Plant Daniel relative to Site features and the surrounding area.

2.1 Regional & Site Geology

Jackson County lies in the Pascagoula River Drainage Basin in the Gulf Coastal Plain physiographic province. Topographically, the province is gently rolling to flat with local salt marshes. Rock outcrops are sedimentary in origin and range in age from late Miocene to Recent (Gandl, 1982). A dominant regional structural feature which affects the sediments of Miocene and younger age is the Gulf Coast geosyncline. The sediments dip toward the Gulf of Mexico. Where formations are near the surface, dips are from 15 to 35 feet/mile. Further from the outcrop, dips increase dramatically with depth. Fresh-water aquifers in the Pascagoula area are sand or a mix of sand and gravel beds of Miocene age or younger. These freshwater aquifers and occur less than 1,000 feet below the surface.

The surficial soils underlying Plant Daniel are related to the southern Mississippi's semi-tropical climate and the weathering of parent geologic materials. The resulting soil profile consists of a variety of sediments including sand, silt, clay, gravel, and organics and ranges in age from the Cenozoic to Pleistocene period. There are five distinctive geologic units that immediately underlie the Site and surrounding area.

- Unit 1 consists of a sandy clay aquitard that is considered to be discontinuous across the Site. Unit 1 outcrops at the surface and extends to a maximum depth of 32 feet beneath the Site.
- Unit 2 consists of a sand aquifer that extends to approximately 70 feet below ground surface (BGS) and is the uppermost aquifer underlying the Site.

- Unit 3 is a clay aquitard that immediately underlies Unit 2 and has a thickness ranging from 2.5 to 9.5 feet across the Site.
- Unit 4 is a sand and gravel aquifer with a thickness of 34 feet or greater.
- Unit 5 is a clay aquitard.

2.2 Uppermost Aquifer

Two aquifers supply water to the Pascagoula area. These are the Pliocene-age Citronelle and the Miocene Aquifer System, which includes the Graham Ferry Aquifer. Plant Daniel is in the Citronelle aquifer outcrop area. The Citronelle Aquifers are the shallowest aquifers in the Pascagoula area. Although principally a sand and gravel formation, the Citronelle is characterized by occasional lenses and layers of clay which may cause semi-artesian conditions. Sediments become coarse near the irregular contact with the underlying Pascagoula or Graham Ferry Formation. Also, the Citronelle and overlying coastal deposits are considered one hydrogeologic unit. The Citronelle is primarily a water table aquifer with a saturated thickness of about 45 feet. Recharge is primarily by rainfall which moves vertically and down dip to recharge underlying aquifers and to sustain local streams (Wasson, 1978). For groundwater monitoring purposes, all compliance wells are screened within the uppermost Unit 2 sand aquifer. Monitoring well network details are provided in **Table 1, Monitoring Well Network Summary** and **Figure 2, Well Location Map** depicts the monitoring well network.

3.0 ALTERNATE SOURCE DEMONSTRATION

The following sections provide a demonstration that the source of cobalt in groundwater at BAW-3 are attributed to naturally occurring cobalt in the aquifer materials at the Site and are not caused by a release from AP-B. The following lines of evidence support the ASD:

1. Prior to closure, AP-B was underlain by an HDPE liner, a two-foot compacted clay liner, and a 10- to 30-foot-thick natural clay aquitard, each overlying the uppermost aquifer.
2. Cobalt concentrations exhibited a marked increase above the GWPS only during post-removal of CCR material.
3. BAW-3 is located side-gradient of AP-B and adjacent to the cooling water discharge loop. The potentiometric map shows groundwater flows from the cooling water discharge loop towards the west.
4. The geochemical signature of groundwater at BAW-3 is similar to upgradient wells BAW-1 and BAW-2A and differs from CCR porewater chemistry.
5. The lack of common CCR indicator parameters like boron, total dissolved solids (TDS), and sulfate confirm groundwater impacts are not related to a CCR release from AP-B.
6. Cobalt has been identified in soils in the vicinity of Plant Daniel Coast at leachable concentrations that would explain the cobalt levels in well BAW-3.
7. Changes in groundwater pH due to changes in groundwater levels would cause changes in groundwater cobalt concentrations. The exceedance of cobalt of well BAW-3 is due to variability of pH in groundwater at the Site.

The increase in cobalt concentrations at BAW-3 corresponds to the end of CCR removal and dewatering activities, indicating that naturally occurring cobalt was likely released from native soils due to changes in water levels and pH conditions. Additionally, BAW-3 is side-gradient of the former CCR unit, and groundwater chemistry resembles background groundwater at the Site. Therefore, the cobalt concentrations observed at BAW-3 are not the result of a release from AP-B.

3.1 AP-B Liner System

AP-B was a 23-acre triangular shaped impoundment with earthen embankments. In 1993, AP-B was retrofitted with a 60-mil HDPE geomembrane liner system. Prior to placing the liner, a 2-foot clay layer was installed beneath AP-B. The clay layer was sealed and compacted using a smooth drum roller and the area was inspected prior to placing the HDPE liner system. The liner system was regularly inspected

throughout the operational history of AP-B. Due to the underlying compacted clay layer and the HDPE liner system and the lack of a CCR signature in groundwater, it is unlikely that a release from AP-B contributed to cobalt concentrations at BAW-3.

3.2 Closure Status & Removal of CCR

As discussed in **Section 1.1**, AP-B has been certified closed via removal of CCR and the underlying liner system. Dewatering began in early 2021 and the removal of all CCR material and 6 inches of underlying native soil was certified complete in December 2021. The dewatering system continued operation through early 2023 as AP-B was backfilled and the former CCR unit was repurposed into three lined settlement ponds for plant process water.

Prior to operation of the dewatering wells, cobalt was relatively stable and not an observed SSL in BAW-3. Cobalt concentrations at BAW-3 ranged from 0.0046 mg/L to 0.0068 mg/L with an average concentration of 0.0057 mg/L. Dewatering began at the Site on January 8, 2021. After dewatering began the first 2021 semi-annual monitoring event was conducted in March 2021 and cobalt concentrations in BAW-3 decreased to 0.00339 mg/L. The fall 2021 semi-annual monitoring event exhibited a cobalt concentration of 0.0036 mg/L, and the spring 2022 semi-annual monitoring event, conducted several months after CCR removal was certified complete, exhibited the lowest cobalt concentration observed at 0.00289 mg/L. These data indicate that cobalt was not identified as an SSL prior to CCR removal, and it is only after the removal of CCR and continued dewatering activities that elevated cobalt concentrations have been observed at the Site. Therefore, elevated cobalt concentrations observed at BAW-3 post-CCR removal cannot be attributed to a release from the former unit. **Figure 3, Closure Timeline & Cobalt Concentration Comparison** shows historical cobalt concentrations compared to the closure timeline and dewatering activities.

3.3 Groundwater Flow Direction

BAW-3 is located at the southeast corner of former AP-B and is classified as a downgradient detection well. However, potentiometric surface maps generated over the course of monitoring indicate that the well is cross-gradient of AP-B. **Figure 4a, Potentiometric Surface Contour Map, October 2017** shows potentiometric surface contours generated for the Site's first semi-annual groundwater monitoring and corrective action report. **Figure 4b, Potentiometric Surface Contour Map, March 2025** shows the potentiometric surface contours generated for the Site's most recent semi-annual sampling event in March 2025. Both figures exhibit similar groundwater elevation conditions with the groundwater flow direction generally to the southwest, indicating historical consistency of groundwater elevations at the Site. Due to

BAW-3 being located cross-gradient of AP-B, it is unlikely that cobalt detected in BAW-3 originated from the former lined CCR unit, indicating a natural source of cobalt. Rather, groundwater flow to BAW-3 is likely affected by the hydraulic head of the cooling water discharge loop.

3.4 Groundwater Geochemistry

Concentrations of indicator parameters, ions, non-CCR metals, and field readings can be used to describe groundwater quality and interpret groundwater signatures to determine whether elevated concentrations of Appendix IV constituents in groundwater are associated with a CCR release. Boron concentrations, Stiff diagrams, and the effect of pH on cobalt concentrations are each useful in determining that cobalt at BAW-3 is not associated with a release from the former AP-B.

3.4.1 Boron Concentrations

Boron is a commonly recognized indicator parameter of groundwater impacts resulting from CCR leachate and is not commonly found in unimpacted groundwater at elevated concentrations (Electric Power Research Institute [EPRI], 2012; EPRI, 2017; Ruhl et al., 2014). Groundwater at the Site shows that low, estimated concentrations of boron do occur in upgradient well BAW-2A ranging from 0.0424 to 0.0717 mg/L, but has never been detected above the laboratory reporting limit. Boron has never been detected in either upgradient well BAW-1 or downgradient well BAW-3.

In 2019 a piezometer, PZ-1, was installed and screened in porewater. A sample was collected from the piezometer in June 2019, and as part of the suite of analyses, boron was analyzed for. The boron concentration observed in AP-B porewater was 2.31 mg/L. Therefore, it is unlikely that BAW-3 is impacted by leachate from AP-B due to the absence of boron. Analytical and field data for BAW-1, BAW-2A, BAW-3, and PZ-1 are summarized in **Table 2, Data Summary.** Lab reports and field forms are provided in **Appendix A, Laboratory and Field Reports.**

3.4.2 Stiff Diagrams

A Stiff diagram utilizes major anion and cation concentrations to create a geometric representation of groundwater chemistry (EPRI, 2012). The Stiff diagram can be used to compare downgradient groundwater to upgradient groundwater and/or porewater data, highlighting differences in groundwater and porewater chemistry. Stiff diagrams have been generated using data collected from upgradient wells BAW-1 and BAW-2A and downgradient well BAW-3. Additionally, a porewater sample (PZ-1) was collected and analyzed as part of the July 2019 lithium ASD, and a Stiff diagram has been generated utilizing that data.

The Stiff Diagrams are presented in **Figure 5, Stiff Diagrams,** and analytical data are presented in **Table 2.**

The plots visually display the relative anion concentrations (right side) and cation concentrations (left side) in milliequivalents per liter. The shapes of the Stiff diagrams for upgradient wells BAW-1 and BAW-2A are very similar and comparable to the shape generated for downgradient well BAW-3, indicating similar groundwater geochemistry. Contrarily, the shape generated by the porewater sample (PZ-1) exhibits elevated TDS and high ratios of both anions (sulfate, chloride, and carbonate) and cations (calcium and sodium).

3.4.3 pH and Cobalt Concentrations

Cobalt has limited mobility to groundwater at neutral and alkaline pHs, and increased mobility at lower, more acidic pHs (generally <5 standard units [SU]) (Smith 1999; Smith and Huyck, 1999). As shown on **Figure 6, Cobalt & pH Time Series**, BAW-3 has the lowest pH groundwater at the Site, ranging from 4.39 to 5.11 SU, and pH has generally decreased since the beginning of monitoring with a marked decrease coinciding with the beginning of dewatering activities. As pH decreases, naturally occurring cobalt is likely to desorb or directly dissolve from native soils into groundwater (Smith, 1999). The low pH conditions observed at BAW-3 and the decreasing pH associated with dewatering activities likely released cobalt from Site soils and increased dissolved cobalt concentrations in groundwater. **Figure 7, pH vs. Cobalt Scatterplot** depicts the relationship between pH and cobalt concentrations, showing that elevated concentrations of cobalt at BAW-3 are typically associated with lower pH values.

Recent increases in pH at BAW-3 are likely due to the aquifer returning to equilibrium post-dewatering and construction. The most recent sample collected at BAW-3 in March 2025 exhibited the first decrease in cobalt concentrations over the last six sampling events, further indicating that cobalt concentrations at BAW-3 are related to naturally occurring cobalt and changing pH conditions.

3.4.4 Naturally Occurring Cobalt

Due to the continuous supply of sediment and particulate matter from rivers along the Gulf Coast, naturally occurring cobalt is commonly found in sediment and soil in Mississippi, including near Plant Daniel (Lenstra et al., 2022; USEPA, 2005(a); USEPA, 2005(b); United States Geological Survey [USGS], n.d.). Utilizing the USGS National Geochemical Database (NGCD) and data collected post Hurricane Katrina by the USEPA, 91 soil and sediment samples from Harrison County, Hancock County, and Jackson County

were compiled for this ASD to evaluate the prevalence of naturally occurring cobalt along the Mississippi Gulf Coast. Cobalt was detected in 86 of the 91 soil and sediment samples compiled from the USEPA and USGS. Cobalt concentrations ranged from 0.2 milligrams per kilogram (mg/kg) to 14 mg/kg with an average concentration of 2.25 mg/kg. The list of samples and their respective cobalt concentrations are shown in **Table 3, Published Cobalt Concentrations - Hancock, Jackson, & Harrison Counties, Mississippi**.

Visual observations of the Unit 2 aquifer documented in the BAW-3 boring log describe a poorly graded sand immediately underlain by a dark brown/black to greenish gray fat clay. The boring log is provided in **Appendix B, BAW-3 Boring and Well Construction Logs**, and well construction details are provided in **Table 1.** Water levels at BAW-3 are typically observed around 6 feet to 9 feet NAVD88, above the BAW-3 screen interval of -16.70 to -26.70 feet NAVD88. However, during operation of the dewatering system described in **Section 1.1** and **Section 3.2,** water levels were drawn down significantly to between -11.17 and -16.61 feet NAVD88, exposing the majority of the screened interval. Once the system ceased operation, water levels returned to pre-pumping levels and cobalt concentrations increased above pre-pumping concentrations. It is likely that naturally occurring cobalt in Unit 2 and Unit 3 soils was mobilized due to operation of the dewatering system and changes in pH conditions.

Dewatering well operation data is provided in **Appendix C, Dewatering Data.**

3.4.5 Desorption of Naturally Occurring Cobalt to Groundwater

The metal partition coefficient (K_d) is the ratio of sorbed metal concentration in soil to the dissolved metal concentration in groundwater at equilibrium (Allison & Allison, 2005). The formula is expressed below:

$$K_d = \frac{sorbed\ metal\ concentration\ (mg/kg)}{dissolved\ metal\ concentration\ (mg/L)}$$

Allison & Allison (2005) compiled K_d values for soil and sediment and determined that both the median and mean K_d for cobalt for soil to groundwater is 2.1 liters per kilogram (L/kg) and the mean K_d for cobalt for sediment to porewater is 3.1 L/kg. Similarly, Thibault et al. (1990) determined the mean cobalt K_d values for sand, silt, and clay soils as 4.1, 7.2, and 6.3 L/kg, respectively.

As discussed in Section 3.5, naturally occurring cobalt is abundant along the Mississippi Gulf Coast with detectable cobalt concentrations in soil and sediment ranging from 0.2 to 14 mg/kg, an average concentration of 2.25 mg/kg, and a median concentration of 1.10 mg/kg. **Figure 8, Cobalt in Soil &**

Sediment Box & Whisker Plot depicts the statistical distribution of cobalt in Mississippi coastal sediment and soil. By dividing naturally occurring soil and sediment cobalt concentrations by published K_d values, predicted groundwater concentrations can be determined and compared to observed groundwater concentrations.

This analysis indicates that even trace amounts of cobalt in Site soils can partition to groundwater at concentrations exceeding the GWPS of 0.006 mg/L. Observed groundwater cobalt concentrations at BAW-3 range from 0.00289 to 0.0105 mg/L. Predicted groundwater cobalt groundwater concentrations using this analysis indicate that even at the lowest observed cobalt concentration in soil (0.2 mg/kg) divided by the highest published partition coefficient (7.2 L/kg) produces a predicted cobalt concentration in groundwater of 0.03 mg/L, five times higher than the GWPS. **Table 4, Predicted Groundwater Concentrations** summarizes published literature K_d values, the statistical distribution of cobalt in soil and sediment in Mississippi coastal counties, and the predicted groundwater concentrations. As discussed in Section 3.4.3, cobalt is highly reactive to changes in pH, and dewatering activities decreased pH in the vicinity of BAW-3. Therefore, trace cobalt present in Site soils is desorbed when groundwater pH decreased and this is noted in the monitoring statistics as an exceedance of cobalt above the GWPS.

4.0 SUMMARY AND CONCLUSIONS

This ASD has been prepared pursuant to the USEPA CCR rule to address cobalt detected exceeding the rule-established GWPS in monitoring well BAW-3 at MPC Plant Daniel AP-B. The data presented in this ASD indicates that cobalt concentrations exceeding the GWPS in BAW-3 are attributed to naturally occurring cobalt in Site soils and are not caused by a release from AP-B. Cobalt has not been identified as an SSL at BAW-3.

Cobalt concentrations observed at BAW-3 are attributed to naturally occurring cobalt in the aquifer materials at the Site and are not caused by a release from AP-B. The following lines of evidence support the ASD:

1. Prior to closure, AP-B was underlain by an HDPE liner, a two-foot compacted clay liner, and a 10- to 30-foot-thick natural clay aquitard, each overlying the uppermost aquifer.
2. Cobalt concentrations exhibited a marked increase above the GWPS only during post-removal of CCR material.
3. BAW-3 is located cross-gradient of AP-B and adjacent to the cooling water discharge loop. The potentiometric map shows groundwater flows from the cooling water discharge loop towards the west.
4. The geochemical signature of groundwater at BAW-3 is similar to upgradient wells BAW-1 and BAW-2A and differs from CCR porewater chemistry.
5. The lack of common CCR indicator parameters like boron, total dissolved solids (TDS), and sulfate confirm groundwater impacts are not related to a CCR release from AP-B.
6. Cobalt has been identified in soils in the vicinity of Plant Daniel Coast at leachable concentrations that would explain the cobalt levels in well BAW-3.
7. Changes in groundwater pH due to changes in groundwater levels would cause changes in groundwater cobalt concentrations. The exceedance of cobalt of well BAW-3 is due to variability of pH in groundwater at the Site.

The increase in cobalt concentrations at BAW-3 corresponds to the end of CCR removal and dewatering activities, indicating that naturally occurring cobalt was likely desorbed from native soils due to changes in water levels and pH conditions. Additionally, BAW-3 is cross-gradient of the former CCR unit and groundwater chemistry resembles background groundwater at the Site. Therefore, cobalt concentrations observed at BAW-3 are not the result of a release from AP-B

Based on this demonstration, the facility will not pursue an ACM should cobalt concentrations be confirmed an SSL above the GWPS. Additionally, because AP-B was closure-by-removal and cobalt has been attributed to a naturally occurring source, this ASD also demonstrates that MPC has met the closure requirements established by 40 CFR §257.102(c)(1)(ii) and may cease post-closure care groundwater monitoring.

5.0 REFERENCES

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FIGURES



Legend

- North Ash Management Unit (NAMU) Boundary
- Gypsum Storage Area (GSA) Boundary
- Ash Pond B Boundary
- Property Boundary (Approximate)

N

0 1,000 2,000 4,000 6,000 8,000 Feet

SCALE	1:24000
DATE	12/21/2023
DRAWN BY	KAR
CHECKED BY	RFS

DRAWING TITLE

SITE LOCATION MAP
PLANT DANIEL ASH POND B

FIGURE NO

FIGURE 1

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Legend

- Monitoring Well Location
- Ash Pond B Boundary
- Property Boundary (Approximate)

N

0 250 500 1,000 Feet

SCALE	1:3000
DATE	12/21/2023
DRAWN BY	KAR
CHECKED BY	LMP

DRAWING TITLE

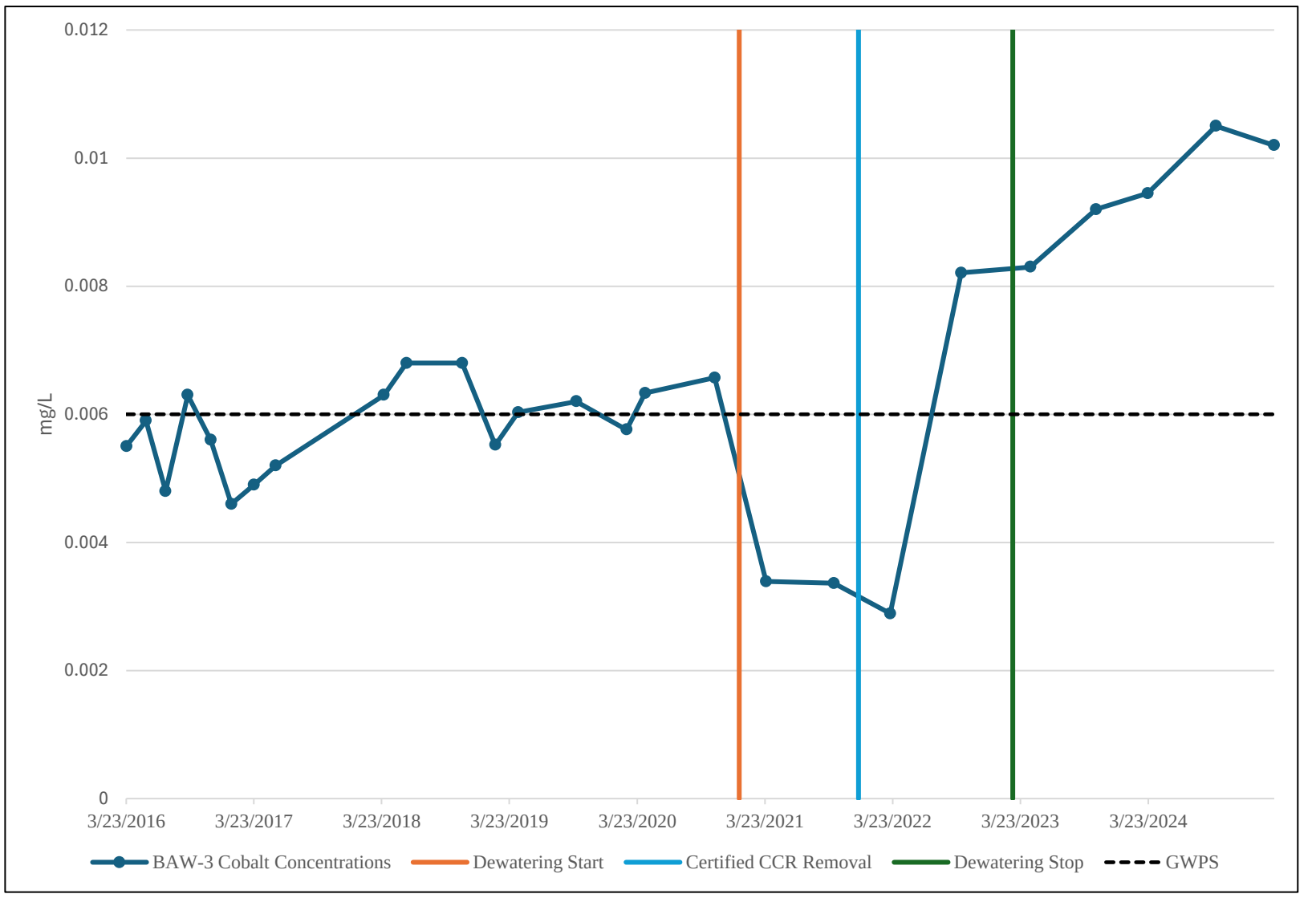
WELL LOCATION MAP
PLANT DANIEL ASH POND B

FIGURE NO

FIGURE 2

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Figure 3, Closure Timeline & Cobalt Concentration Comparison



Notes

1. Concentrations shown in milligrams per liter (mg/L)
2. CCR - coal combustion residuals
3. GWPS - groundwater protection standard



NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. NM indicates not measured.

LEGEND

- Downgradient Compliance Well
- Upgradient Compliance Well
- Estimated Potentiometric Contour
- Approximate Direction of Groundwater Flow
- Ash Pond B Boundary
- Property Boundary (Approximate)

BAW-1 Well Name
7.79 Groundwater Elevation (ft NAVD88)

0 250 Feet

Base Map: Maxar Vivid Standard, 10/31/2016.
Projection: NAD 1983 State Plane Mississippi East FIPS2301 Feet

SCALE	1:3,000
DATE	8/22/2025
DRAWN BY	KAR
CHECKED BY	RFS

DRAWING TITLE:
POTENTIOMETRIC SURFACE CONTOUR MAP
OCTOBER 16, 2017
PLANT DANIEL ASH POND B

FIGURE NO.
FIGURE 4A

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NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. NM indicates not measured.

LEGEND

- Downgradient Compliance Well
- Upgradient Compliance Well
- Estimated Potentiometric Surface Contour
- Approximate Groundwater Flow Direction
- Ash Pond B Boundary
- Property Boundary (Approximate)

BAW-1 Well Name
7.79 Groundwater Elevation (ft NAVD88)

0 250 Feet

Base Map: Maxar Vivid Standard, 10/16/2021.
Projection: NAD 1983 State Plane Mississippi East FIPS2301 Feet

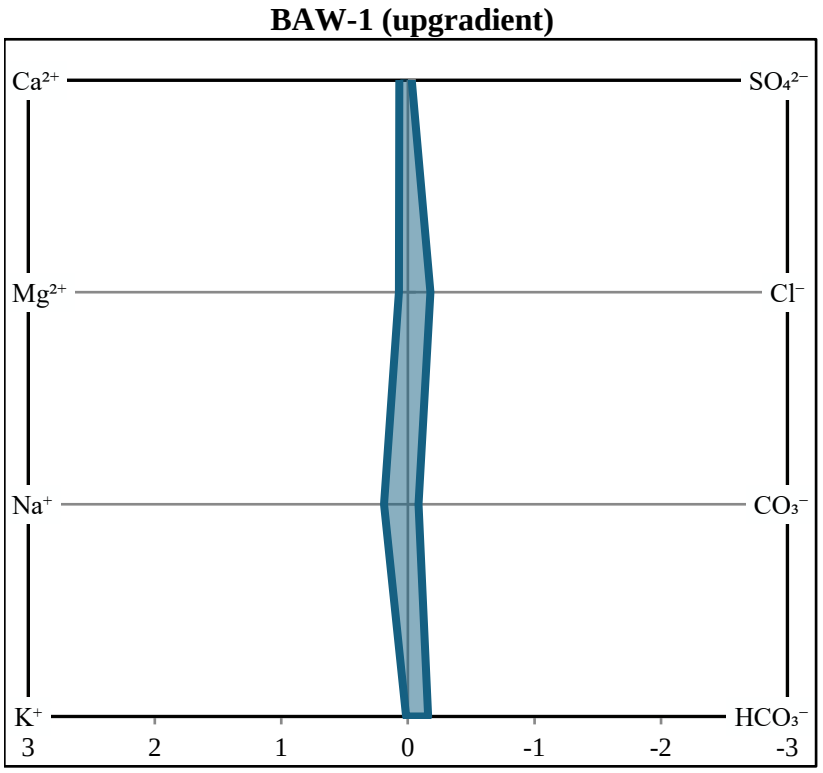
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CHECKED BY	AWH

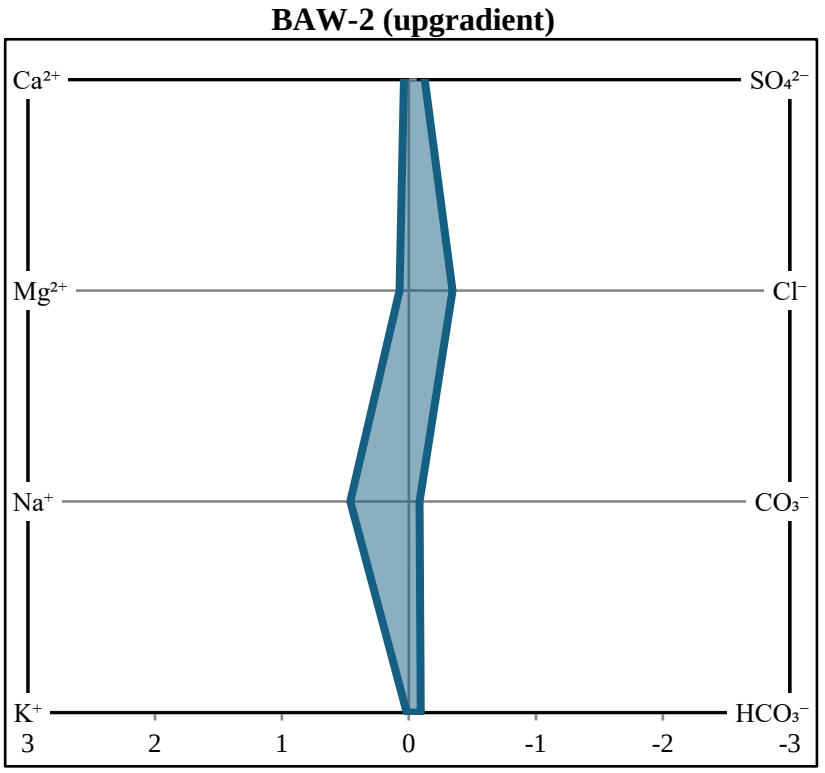
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MARCH 17, 2025
PLANT DANIEL ASH POND B

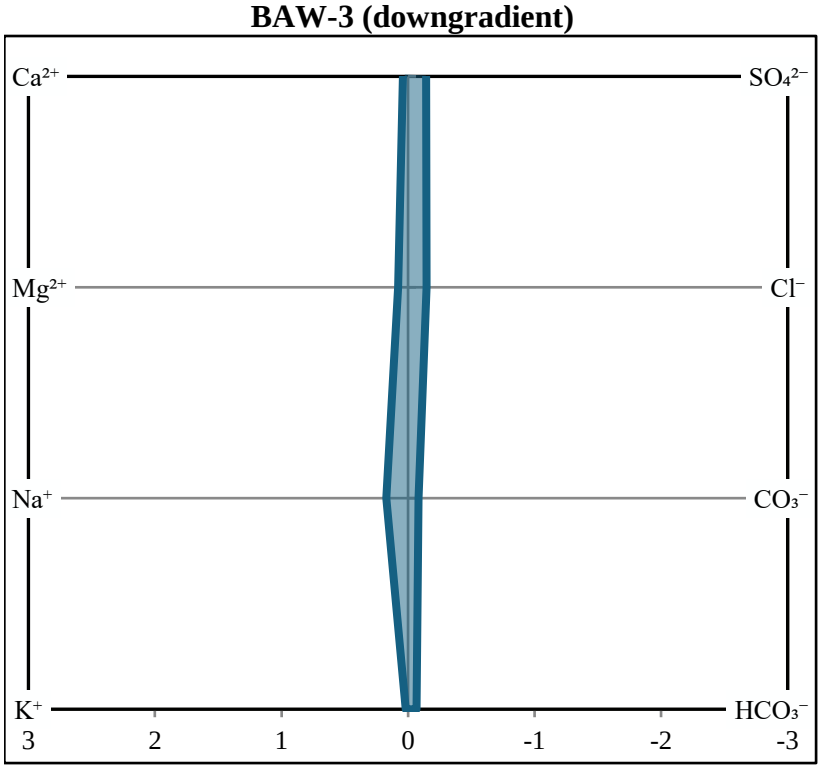
FIGURE NO.
FIGURE 4b

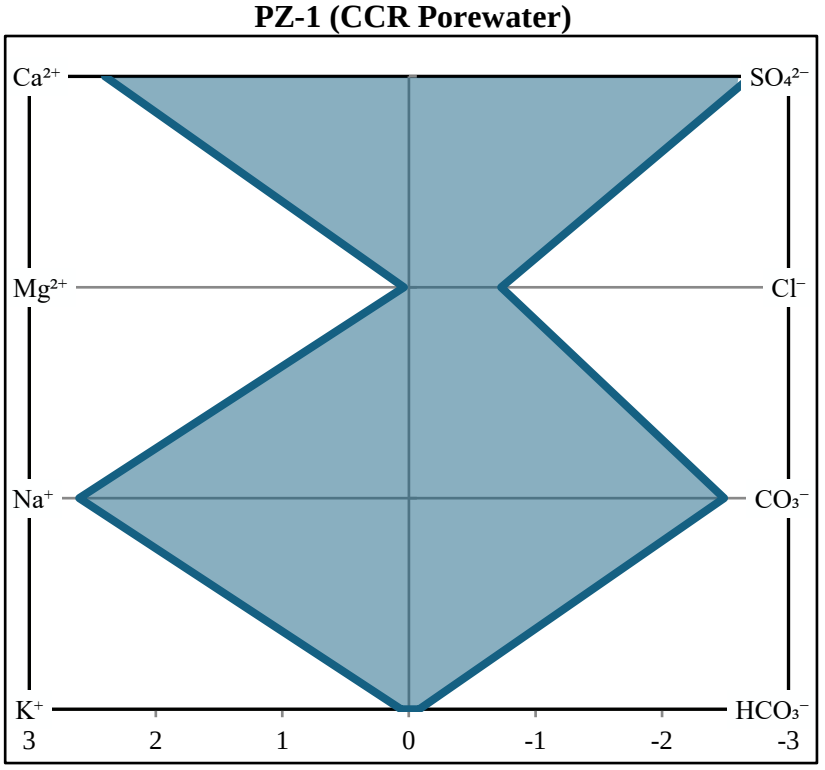
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Figure 5, Stiff Diagrams









Notes

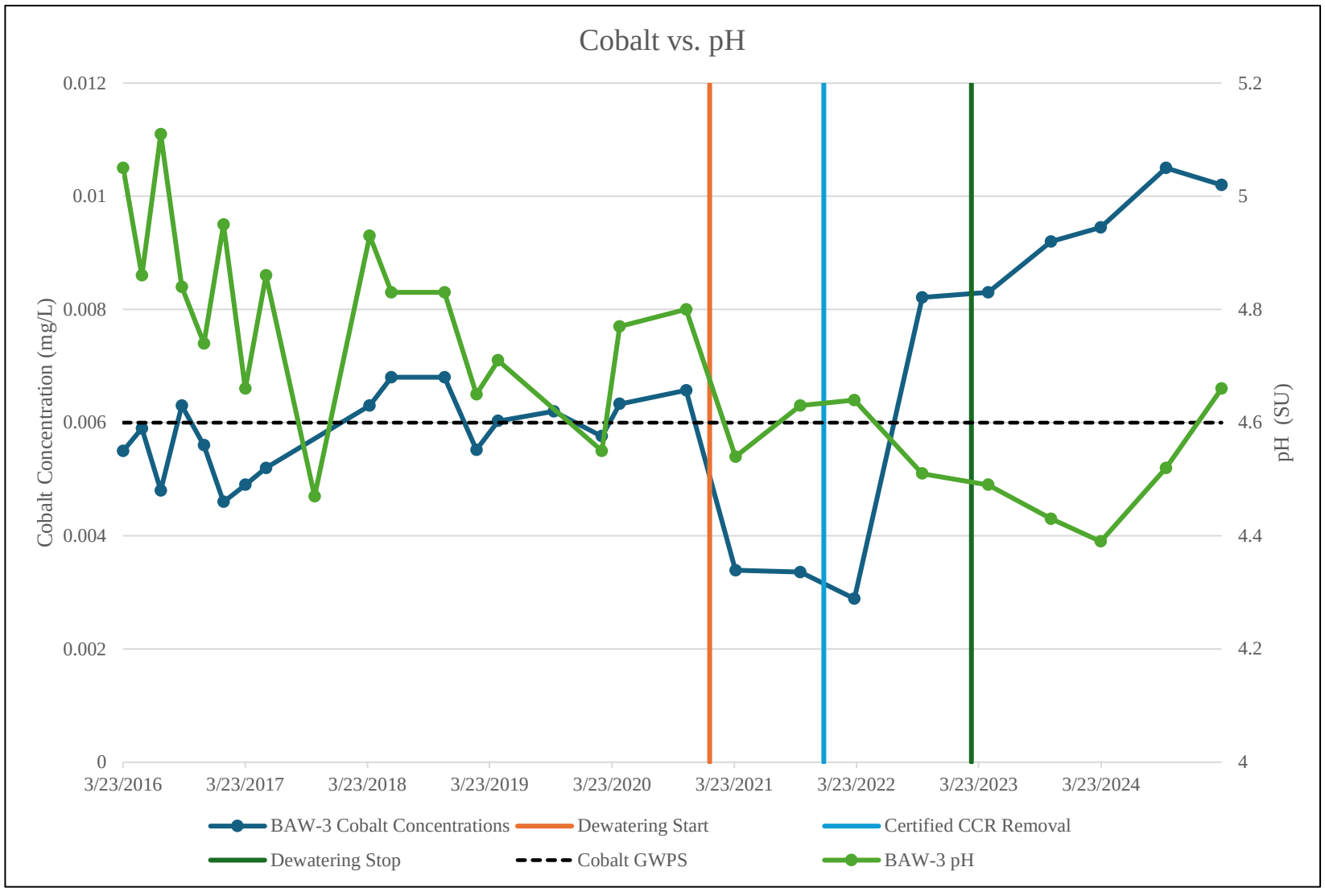
1. Horizontal axis units in milliequivalents per liter

2. Data from BAW-1, BAW-2A, and BAW-3 collected in March 17 and 18, 2025

3. Data from PZ-1 collected June 6, 2019

4. Cations (left axis) are calcium (Ca), magnesium (Mg), Sodium (Na), Potassium (K). Anions (right axis) are sulfate (SO_4), Chloride (Cl), carbonate alkalinity (CO_3) and bicarbonate alkalinity (HCO_3)

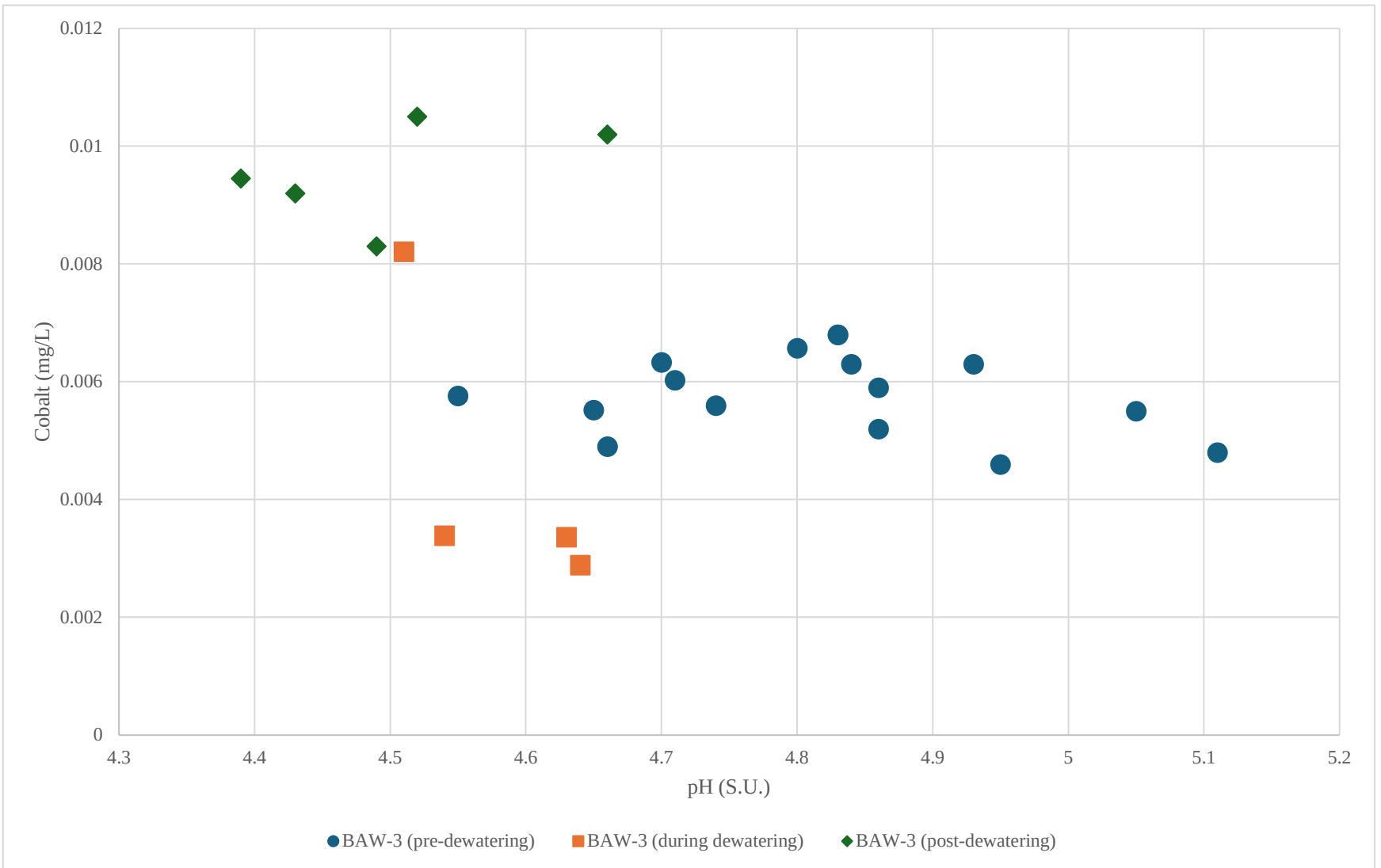
Figure 6, Cobalt & pH Time Series



Notes

1. Cobalt concentrations shown in milligrams per liter (mg/L)
2. CCR - coal combustion residuals
3. GWPS - groundwater protection standard
4. pH shown in standard units (SU)

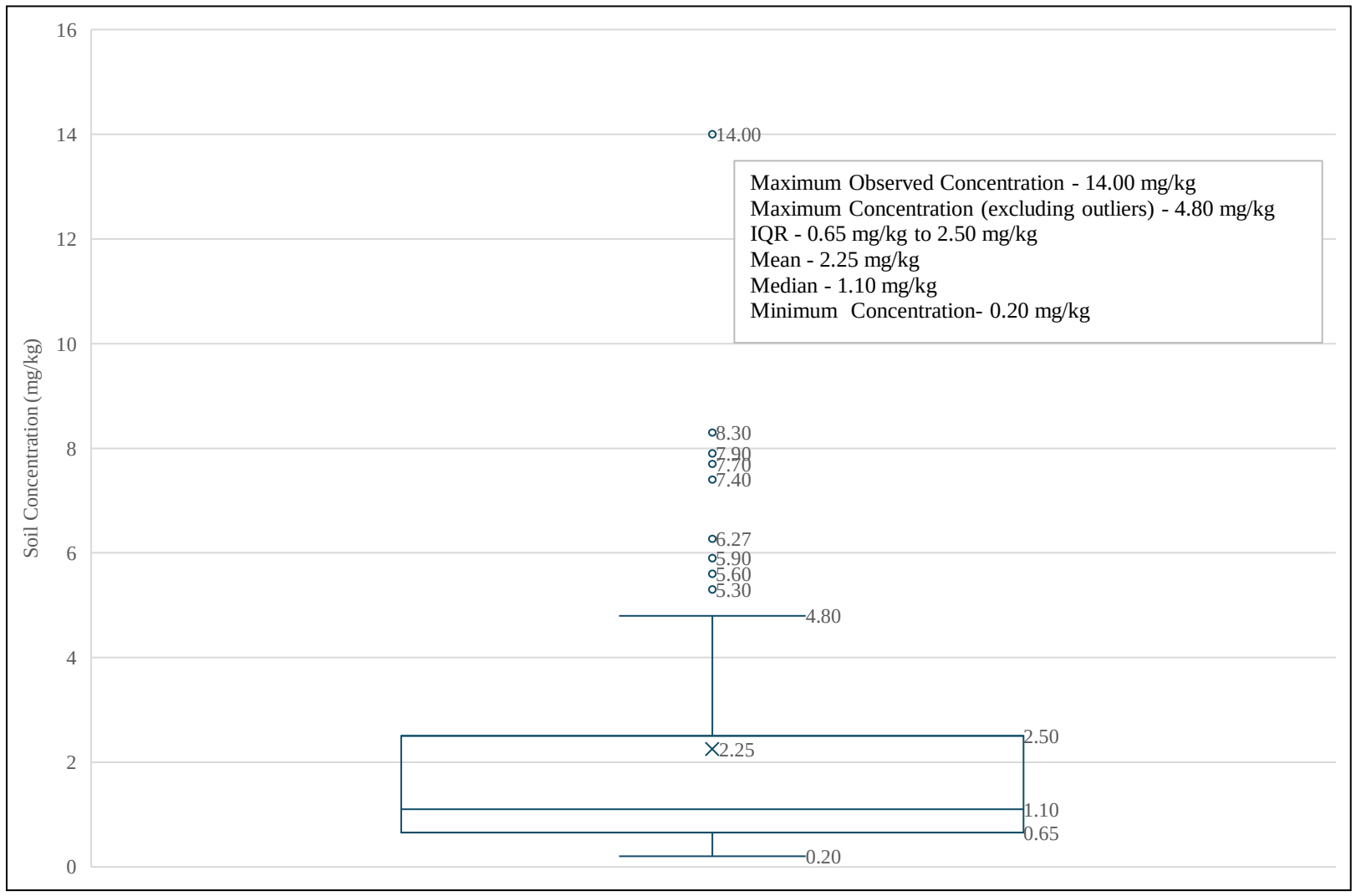
Figure 7, pH vs. Cobalt Scatter Plot



Notes

1. Cobalt concentrations shown in milligrams per liter (mg/L)
2. pH shown in standard units (SU)

Figure 8, Cobalt in Soil & Sediment Box & Whisker Plot



Notes

1. Concentrations shown in milligrams per kilogram (mg/kg)
2. Statistical analysis is inclusive of the median.
3. IQR - interquartile range

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TABLES

Table 1.
Monitoring Well Network Summary

Well ID	Purpose	Installation Date	Latitude	Longitude	Total Well Depth (feet)	Top of Casing Elevation (feet MSL)	Ground Elevation (feet MSL)	Top of Screen Elevation (feet MSL)	Bottom of Screen Elevation (feet MSL)
BAW-1	Upgradient	7/23/2015	30.54178	-88.55594	60.72	32.24	29.22	-23.18	-28.18
BAW-2	Upgradient	7/23/2015	30.53975	-88.5559	64.53	42.43	39.70	-11.80	-21.80
BAW-2A	Upgradient	3/19/2018	30.53969	-88.5559	66.93	41.15	38.22	-15.28	-25.28
BAW-3	Downgradient	7/23/2015	30.53747	-88.55603	67.62	40.62	37.60	-16.70	-26.70
BAW-4	Downgradient	7/23/2015	30.5374	-88.55766	69.13	37.05	34.12	-21.78	-31.78
BAW-5	Downgradient	7/23/2015	30.53773	-88.55904	69.12	39.93	37.41	-18.89	-28.89
BAW-7	Downgradient	7/23/2015	30.54105	-88.55693	63.80	35.60	35.92	-18.01	-28.01
PZ-8	Piezometer	3/14/2018	30.53753	-88.55888	68.29	40.05	37.26	-17.74	-27.74
PZ-9	Piezometer	3/15/2018	30.53742	-88.55897	62.82	39.32	36.50	-13.00	-23.00

Notes:

1. BAW-2 was replaced by BAW-2A due to well damage.

2. Elevations shown are referenced Mean Sea Level (MSL) to NAVD 88 (G12) U.S. Survey Feet.

3. MSL refers to Mean Sea Level.

4. BAW-7 was modified during closure to match new grade. Thompson Engineering certified the survey on January 23, 2023.

Table 2, Data Summary

Parameter	Units	BAW-1 (upgradient)	BAW-2A (upgradient)	BAW-3 (downgradient)	PZ-1 (porewater)
		3/17/2025	3/17/2025	3/18/2025	6/6/2019
Field Parameters					
Specific Conductivity	µS/cm	38.11	68.63	46.85	475.73
Dissolved Oxygen	mg/L	4.24	2.32	0.57	0.07
Oxidation Reduction Potential	mV	91.2	74.9	65.7	60.05
Temperature	°C	22.89	22.97	22.75	34.07
Turbidity	NTU	0.25	0.57	1.41	0.34
Appendix III					
Boron	mg/L	<0.0220	0.0608 J	<0.00220	2.31
Calcium	mg/L	1.34	0.795	0.799	48.1
Chloride	mg/L	6.32	12.2	5.19	25.9
Fluoride	mg/L	<0.0260	0.0448 J	0.0294 J	NA
Sulfate	mg/L	1.52	5.98	6.81	130
Total Dissolved Solids	mg/L	<10.0	<10.0	14.0	311
pH	Standard Units	5.04	4.91	4.66	10.28
Appendix IV					
Cobalt	mg/L	0.00124	0.00103	0.0102*	NA
General Chemistry					
Magnesium	mg/L	0.847	0.879	0.962	0.477
Potassium	mg/L	0.550 J	0.616 J	0.679	2.36
Sodium	mg/L	4.33	10.6	3.95	59.9
Strontium	mg/L	0.00948	0.00958	0.0102	NA
Total Alkalinity as CaCO3	mg/L	9.84	5.78	<5.00	81.2
Bicarbonate Alkalinity as CaCO3	mg/L	9.84	5.78	<5.00	<5.00
Carbonate Alkalinity as CaCO3	mg/L	<5.00	<5.00	<5.00	74.7

Notes

1. µS/cm - microsiemens per centimeter
2. mg/L - milligram per liter
3. mV - millivolt
4. °C - degrees Celcius
5. NTU - Nephelometric Turbidity Unit
6. * - cobalt concentration exceeds groundwater protection standard of 0.006 mg/L
7. NA - not analyzed

Table 3, Published Cobalt Concentrations - Hancock, Jackson, & Harrison Counties, Mississippi

Sample ID	Sample Type	Data Source	Location	Cobalt Concentration (mg/kg)	Qualifier
CFMSD06	Sediment	EPA(a)	Chevron Refinery, First Chemical, and Mississippi Phosphate, Pascagoula, MS	14	
DUSD01	Sediment	EPA(a)	DuPont-DeLisle, Pass Christian, MS	8.3	J
DUSD01D	Sediment	EPA(a)	DuPont-DeLisle, Pass Christian, MS	7.9	J
POSD01D	Sediment	EPA(a)	Polychemie, Inc., Pearlington, MS	7.8	J
PR2SD	Sediment	EPA(b)	Pascagoula River, Escatawpa River, and West Pascagoula River	7.7	
SLB6DSD	Sediment	EPA(b)	St. Louis Bay, Bayou Caddy, Pearl River	7.7	
SLB6SD	Sediment	EPA(b)	St. Louis Bay, Bayou Caddy, Pearl River	7.5	
POSD02	Sediment	EPA(a)	Polychemie, Inc., Pearlington, MS	7.4	J
C116667	Sediment, black mud	USGS NGDB	Hancock County	6.27	
BBB3SD	Sediment	EPA(b)	Back Bay of Biloxi	6	
BBB3DSD	Sediment	EPA(b)	Back Bay of Biloxi	5.9	
PR1SD	Sediment	EPA(b)	Pascagoula River, Escatawpa River, and West Pascagoula River	5.6	
POSD01	Sediment	EPA(a)	Polychemie, Inc., Pearlington, MS	5.3	J
SLB3SD	Sediment	EPA(b)	St. Louis Bay, Bayou Caddy, Pearl River	4.8	
BC2SD	Sediment	EPA(a) & EPA(b)	Chevron Refinery, First Chemical, and Mississippi Phosphate, Pascagoula, MS	4.6	
PEARL1SD	Sediment	EPA(b)	St. Louis Bay, Bayou Caddy, Pearl River	4.2	
CFMSD05	Sediment	EPA(a)	Chevron Refinery, First Chemical, and Mississippi Phosphate, Pascagoula, MS	4.1	J
OPSD02	Sediment	EPA(a)	Omega Protein, Moss Point, MS	4.1	J
BBB6SD	Sediment	EPA(b)	Back Bay of Biloxi	3.4	
OPSD01	Sediment	EPA(a)	Omega Protein, Moss Point, MS	3.3	J
CFMSD05D	Sediment	EPA(a)	Chevron Refinery, First Chemical, and Mississippi Phosphate, Pascagoula, MS	2.7	J
CFMSD07	Sediment	EPA(a)	Chevron Refinery, First Chemical, and Mississippi Phosphate, Pascagoula, MS	2.5	J
ERSD04	Sediment	EPA(a)	Ershigs Fiberglass, Biloxi, MS	2.5	J
CFMSF08	Sediment	EPA(a)	Chevron Refinery, First Chemical, and Mississippi Phosphate, Pascagoula, MS	2.2	J
ERSD05	Sediment	EPA(a)	Ershigs Fiberglass, Biloxi, MS	2.2	J
WPR1SD	Sediment	EPA(b)	Pascagoula River, Escatawpa River, and West Pascagoula River	2	
C116396	Soil, gray sand	USGS NGDB	Harrison County	1.98	
CFMSD03	Sediment	EPA(a)	Chevron Refinery, First Chemical, and Mississippi Phosphate, Pascagoula, MS	1.8	J
C116688	Soil, brown silt	USGS NGDB	Jackson County, MS	1.8	
C116445	Soil, dark gray silt	USGS NGDB	Jackson County, MS	1.78	
C116441	Sediment, brown sand	USGS NGDB	Jackson County, MS	1.72	
C116652	Soil, brown clay	USGS NGDB	Hancock County	1.72	
SLB2SD	Sediment	EPA(b)	St. Louis Bay, Bayou Caddy, Pearl River	1.6	
C116686	Soil, brown silt	USGS NGDB	Jackson County, MS	1.51	
ERSF01	Sediment	EPA(a)	Ershigs Fiberglass, Biloxi, MS	1.5	J
ERSF01S	Sediment	EPA(a)	Ershigs Fiberglass, Biloxi, MS	1.4	J
C116680	Sediment, sand	USGS NGDB	Harrison County	1.39	
C116672	Soil, black silt	USGS NGDB	Jackson County, MS	1.38	
ERSD04D	Sediment	EPA(a)	Ershigs Fiberglass, Biloxi, MS	1.3	J
C116669	Sediment, sand	USGS NGDB	Jackson County, MS	1.24	
DUSF03	Sediment	EPA(a)	DuPont-DeLisle, Pass Christian, MS	1.2	J
POSD03	Sediment	EPA(a)	Polychemie, Inc., Pearlington, MS	1.2	J
OPSD02D	Sediment	EPA(a)	Omega Protein, Moss Point, MS	1.1	J
BL1SD	Sediment	EPA(b)	Chevron Refinery, First Chemical, and Mississippi Phosphate, Pascagoula, MS	1.1	
C116657	Soil, gray silt	USGS NGDB	Hancock County	1.08	
C116470	Soil, dark brown sand	USGS NGDB	Jackson County, MS	1.04	
C116467	Soil, dark gray silt	USGS NGDB	Jackson County, MS	1.03	
C116469	Soil, grayish brown sand	USGS NGDB	Jackson County, MS	1.03	
C129867	Sediment, brown sand	USGS NGDB	Jackson County, MS	<2.0	
C129870	Sediment, brown sand	USGS NGDB	Hancock County	<2.0	
C129877	Sediment, brown sand	USGS NGDB	Hancock County	<2.0	

Table 3, Published Cobalt Concentrations - Hancock, Jackson, & Harrison Counties, Mississippi

Sample ID	Sample Type	Data Source	Location	Cobalt Concentration (mg/kg)	Qualifier
C116455	Soil, brown sand	USGS NGDB	Jackson County, MS	0.94	
C116670	Sediment, sand	USGS NGDB	Jackson County, MS	0.93	
C116664	Soil, black silt	USGS NGDB	Jackson County, MS	0.93	
POSF05S	Sediment	EPA(a)	Polychemie, Inc., Pearlington, MS	0.91	J
C116473	Soil, dark brown sand	USGS NGDB	Jackson County, MS	0.89	
POSF05	Sediment	EPA(a)	Polychemie, Inc., Pearlington, MS	0.87	J
DUSD02	Sediment	EPA(a)	DuPont-DeLisle, Pass Christian, MS	0.83	J
ERSF03	Sediment	EPA(a)	Ershigs Fiberglass, Biloxi, MS	0.83	J
C116457	Soil, dark gray sand	USGS NGDB	Jackson County, MS	0.81	
DUSF04	Sediment	EPA(a)	DuPont-DeLisle, Pass Christian, MS	0.74	J
C116466	Soil, brown sand	USGS NGDB	Jackson County, MS	0.74	
C116409	Soil, gray sand	USGS NGDB	Jackson County, MS	0.73	
CFMSF01	Sediment	EPA(a)	Chevron Refinery, First Chemical, and Mississippi Phosphate, Pascagoula, MS	0.69	J
C116666	Sediment, sand	USGS NGDB	Hancock County	0.69	
CFMSD04	Sediment	EPA(a)	Chevron Refinery, First Chemical, and Mississippi Phosphate, Pascagoula, MS	0.66	J
BC4SD	Sediment	EPA(a) & EPA(b)	Chevron Refinery, First Chemical, and Mississippi Phosphate, Pascagoula, MS	0.66	
C116410	Sediment, gray sand	USGS NGDB	Jackson County, MS	0.65	
C116655	Sediment, gray silt	USGS NGDB	Hancock County	0.64	
C116684	Sediment, sand	USGS NGDB	Hancock County	0.61	
C116654	Sediment, sand	USGS NGDB	Jackson County, MS	0.6	
BC4DSD	Sediment	EPA(a) & EPA(b)	Chevron Refinery, First Chemical, and Mississippi Phosphate, Pascagoula, MS	0.59	
C116685	Sediment, sand	USGS NGDB	Jackson County, MS	0.59	
C116417	Sediment, gray sand	USGS NGDB	Harrison County	0.51	
POSF04	Sediment	EPA(a)	Polychemie, Inc., Pearlington, MS	0.49	J
ERSF02	Sediment	EPA(a)	Ershigs Fiberglass, Biloxi, MS	0.47	J
C116446	Sediment, sand	USGS NGDB	Jackson County, MS	0.47	
DUSF05	Sediment	EPA(a)	DuPont-DeLisle, Pass Christian, MS	0.45	J
C116651	Sediment, gray coarse sand	USGS NGDB	Hancock County	0.42	
OPSD03	Sediment	EPA(a)	Omega Protein, Moss Point, MS	0.41	J
C116659	Sediment, gray coarse sand	USGS NGDB	Hancock County	0.4	
CFMSF02S	Sediment	EPA(a)	Chevron Refinery, First Chemical, and Mississippi Phosphate, Pascagoula, MS	0.38	J
C116679	Sediment, gray coarse sand	USGS NGDB	Hancock County	0.36	
C116682	Sediment, sand	USGS NGDB	Harrison County	0.35	
CFMSF02	Sediment	EPA(a)	Chevron Refinery, First Chemical, and Mississippi Phosphate, Pascagoula, MS	0.34	J
C116687	Sediment, sand	USGS NGDB	Jackson County, MS	0.32	
C116676	Soil, gray coarse sand	USGS NGDB	Hancock County	0.3	
ER1DSD	Sediment	EPA(b)	Pascagoula River, Escatawpa River, and West Pascagoula River	<0.5	
ER1SD	Sediment	EPA(b)	Pascagoula River, Escatawpa River, and West Pascagoula River	<0.5	
C116665	Sediment, sand	USGS NGDB	Harrison County	0.22	
C116673	Sediment, coarse sand	USGS NGDB	Harrison County	0.2	

Notes:

1. EPA(a) - USEPA, October 2005, Report, Katrina Response, Environmental Soil and Sediment Sampling, Gulf Coast Mississippi, USEPA Region 4, https://www.epa.gov/sites/default/files/2015-06/documents/Katrina.Final.Report.12-23w.pdf.

2. EPA(b) - USEPA, 28 October 2005, Water Quality Study of Bays in Coastal Mississippi, Water Quality Report, Projet #05-0926, Science and Ecosystem Support Division, USEPA Region 4, https://19january2021snapshot.epa.gov/sites/static/files/2015-06/documents/05msbay-report.WebFinal.pdf.

3. USGS NGDB - USGS, n.d., National Geochemical Database, https://mrdata.usgs.gov/ngdb/.

4. J - result was below the reporting limit but above the method detection limit, concentration is an estimate.

5. mg/kg - milligrams per kilogram

Table 4, Predicted Groundwater Concentrations

Cobalt K_d Values	
Literature Source	**K_d (L/kg)**
Soil (Allison & Allison, 2005)	2.1
Sediment (Allison & Allison, 2005)	3.1
Sand (Thibault et al., 1990)	4.1
Clay (Thibault et al., 1990)	6.3
Silt (Thibault et al., 1990)	7.2

Statistical Distribution of Cobalt Concentrations in Coastal Mississippi Soil/Sediment	
Statistical Distribution	**Concentration (mg/kg)**
Maximum Observed Concentration	14
Maximum Concentration (excluding outliers)	5.3
Third Quartile Concentration	2.55
Mean Concentration	2.25
Median Concentration	1.1
First Quartile Concentration	0.65
Minimum Observed Concentration	0.2

Predicted Groundwater Concentrations (mg/L) Sorbed Metal Concentrations / K_d								
K_d (L/kg)	**2.1**	0.10	0.31	0.52	1.07	1.21	2.52	6.67
	3.1	0.06	0.21	0.35	0.73	0.82	1.71	4.52
	4.1	0.05	0.16	0.27	0.55	0.62	1.29	3.41
	6.3	0.03	0.10	0.17	0.36	0.40	0.84	2.22
	7.2	0.03	0.09	0.15	0.31	0.35	0.74	1.94
		0.2	**0.65**	**1.1**	**2.25**	**2.55**	**5.3**	**14**
		Soil & Sediment Concentrations (mg/kg)						

Notes:

1. K_d - metal partition coefficient
2. L/kg - liters per kilogram
3. mg/kg - milligrams per kilogram
4. mg/L - milligrams per liter
5. Predicted groundwater concentrations derived by dividing the soil/sediment cobalt concentrations by the K_d values obtained from literature sources

Southern Company

APPENDIX A

Laboratory and Field Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

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JOB DESCRIPTION

Plant Daniel Ash Pond B

JOB NUMBER

180-187983-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

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.

PA Lab ID: 02-00416

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 Pittsburgh Project Manager.

Authorization



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Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Definitions/Glossary 5
Certification Summary 6
Sample Summary 8
Method Summary 9
Lab Chronicle 10
Client Sample Results 14
QC Sample Results 21
QC Association Summary 30
Chain of Custody 34
Receipt Checklists 46

Job Narrative
180-187983-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/19/2025 9:30 AM and 3/21/2025 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 14 coolers at receipt time were 0.5°C, 0.8°C, 1.1°C, 1.3°C, 1.6°C, 1.8°C, 2.0°C, 2.3°C, 2.5°C, 2.8°C, 3.0°C, 3.2°C, 3.6°C and 3.7°C.

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

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

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

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Laboratory: Eurofins Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00690	06-28-25
California	State	2891	04-30-24 *
Connecticut	State	PH-0820	09-30-24 *
Florida	NELAP	E871008	06-30-25
Georgia	State	PA 02-00416	04-30-25
Illinois	NELAP	200005	07-31-25
Kansas	NELAP	E-10350	01-31-26
Kentucky (UST)	State	162013	04-30-25
Kentucky (WW)	State	KY98043	12-31-25
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-25
Maine	State	PA00164	03-06-26
Minnesota	NELAP	042-999-482	12-31-24 *
New Hampshire	NELAP	2030	04-04-25
New Jersey	NELAP	PA005	06-30-25
New York	NELAP	11182	04-01-25
North Carolina (WW/SW)	State	434	12-31-25
North Dakota	State	R-227	04-30-24 *
Oregon	NELAP	PA-2151	02-06-25 *
Pennsylvania	NELAP	02-00416	04-30-26
Rhode Island	State	LAO00375	01-01-25 *
South Carolina	State	89014	04-30-25
Texas	NELAP	T104704528	03-31-25
US Fish & Wildlife	US Federal Programs	A21930	04-30-25
USDA	US Federal Programs	P330-16-00211	04-11-26
Utah	NELAP	PA001462024-14	05-31-25
Virginia	NELAP	460189	07-14-24 *
West Virginia DEP	State	142	01-31-26
Wisconsin	State	998027800	08-31-25

Laboratory: Eurofins Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-25
ANAB	Dept. of Defense ELAP	L2463	09-22-26
Arkansas (DW)	State	GA00006	06-30-25
Arkansas DEQ	State	88-00692	02-09-26
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25
Georgia (DW)	State	803	06-30-25
Guam	State	24-05R	04-17-25
Hawaii	State	<cert No.>	06-30-25
Illinois	NELAP	200022	11-30-25
Iowa	State	353	07-01-25
Kentucky (UST)	State	108138	06-30-24 *
Louisiana (All)	NELAP	30690	06-30-25
Maine	State	GA00006	09-25-26
Mississippi	State	<cert No.>	06-30-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-187983-1
Project/Site: Plant Daniel Ash Pond B

Laboratory: Eurofins Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Nebraska	State	NE-OS-7-04	06-30-25
New Mexico	State	GA00006	06-30-25
North Carolina (DW)	State	13701	07-31-25
North Carolina (WW/SW)	State	269	12-31-25
Puerto Rico	State	GA00006	01-15-26
South Carolina	State	98001	06-30-26
Tennessee	State	TN02961	06-30-25
Texas	TCEQ Water Supply	T104704185	06-30-25
USDA	US Federal Programs	P330-18-00313	04-04-27
Virginia	NELAP	460161	06-14-25
Wyoming	State	8TMS-L	06-30-25

Sample Summary

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-187983-1	BAW-1	Water	03/17/25 12:34	03/19/25 09:30
180-187983-2	BAW-2A	Water	03/17/25 13:55	03/19/25 09:30
180-187983-3	BAW-3	Water	03/18/25 10:11	03/19/25 09:30
180-187983-4	BAW-4	Water	03/17/25 16:38	03/19/25 09:30
180-187983-5	BAW-5	Water	03/18/25 11:29	03/19/25 09:30
180-187983-6	FB-01	Water	03/18/25 08:47	03/19/25 09:30
180-187983-7	EB-01	Water	03/18/25 09:01	03/19/25 09:30
180-187983-8	DUP-01	Water	03/17/25 12:55	03/19/25 09:30
180-188111-1	BAW-7	Water	03/18/25 17:37	03/21/25 09:15
180-188111-2	DUP-02	Water	03/18/25 16:37	03/21/25 09:15

Method Summary

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Method	Method Description	Protocol	Laboratory
EPA 9056A	Anions, Ion Chromatography	SW846	EET PIT
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Client Sample ID: BAW-1
Date Collected: 03/17/25 12:34
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492231	03/21/25 05:26	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879517	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879676	03/24/25 15:23	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	879583	03/24/25 11:28	MG	EET SAV
Total/NA	Analysis	7470A		1			879628	03/24/25 16:57	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492251	03/20/25 11:36	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: BAW-2A
Date Collected: 03/17/25 13:55
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492231	03/21/25 03:01	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879517	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879676	03/24/25 15:25	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	879582	03/24/25 11:25	MG	EET SAV
Total/NA	Analysis	7470A		1			879628	03/24/25 18:51	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492254	03/20/25 11:47	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: BAW-3
Date Collected: 03/18/25 10:11
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492231	03/21/25 03:13	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879517	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879676	03/24/25 15:27	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	879582	03/24/25 11:25	MG	EET SAV
Total/NA	Analysis	7470A		1			879628	03/24/25 18:48	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492255	03/20/25 11:54	EBA	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Client Sample ID: BAW-4

Date Collected: 03/17/25 16:38
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492232	03/21/25 00:21	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879517	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879676	03/24/25 15:29	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	879582	03/24/25 11:25	MG	EET SAV
Total/NA	Analysis	7470A		1			879628	03/24/25 18:46	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492251	03/20/25 11:36	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: BAW-5

Date Collected: 03/18/25 11:29
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492773	03/28/25 23:51	SJM	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879517	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879676	03/24/25 15:31	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	879582	03/24/25 11:25	MG	EET SAV
Total/NA	Analysis	7470A		1			879628	03/24/25 18:58	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492251	03/20/25 11:36	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-01

Date Collected: 03/18/25 08:47
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492705	03/28/25 06:00	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:40	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 12:59	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	879583	03/24/25 11:28	MG	EET SAV
Total/NA	Analysis	7470A		1			879628	03/24/25 17:04	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492255	03/20/25 11:54	EBA	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Client Sample ID: EB-01
Date Collected: 03/18/25 09:01
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492773	03/29/25 00:03	SJM	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:40	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 13:05	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	879582	03/24/25 11:25	MG	EET SAV
Total/NA	Analysis	7470A		1			879628	03/24/25 18:55	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492255	03/20/25 11:54	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01
Date Collected: 03/17/25 12:55
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492231	03/21/25 03:24	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:40	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 13:07	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	879582	03/24/25 11:25	MG	EET SAV
Total/NA	Analysis	7470A		1			879628	03/24/25 18:53	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492254	03/20/25 11:47	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: BAW-7
Date Collected: 03/18/25 17:37
Date Received: 03/21/25 09:15

Lab Sample ID: 180-188111-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492849	03/29/25 12:16	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879741	03/26/25 05:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879926	03/27/25 15:23	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	879778	03/26/25 10:42	MG	EET SAV
Total/NA	Analysis	7470A		1			879876	03/26/25 15:50	BCB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492441	03/24/25 13:17	EBA	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Client Sample ID: DUP-02

Date Collected: 03/18/25 16:37
Date Received: 03/21/25 09:15

Lab Sample ID: 180-188111-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492849	03/29/25 12:28	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879741	03/26/25 05:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879926	03/27/25 15:16	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	879778	03/26/25 10:42	MG	EET SAV
Total/NA	Analysis	7470A		1			879876	03/26/25 15:52	BCB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492441	03/24/25 13:17	EBA	EET PIT
	Instrument ID: NOEQUIP									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058
EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Analyst References:

Lab: EET PIT
- Batch Type: Analysis
  - EBA = Elizabeth Arbster
  - M1D = Maureen Donlin
  - SJM = Shannon Mueller

Lab: EET SAV
- Batch Type: Prep
  - MG = Michael Griffin
  - RR = Robert Rancourt
- Batch Type: Analysis
  - BCB = Brian Bland
  - BJB = Brian Boyuk
  - BWR = Bryn Robertson

Client Sample ID: BAW-1

Lab Sample ID: 180-187983-1

Date Collected: 03/17/25 12:34

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.32**		1.00	0.713	mg/L			03/21/25 05:26	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/21/25 05:26	1
Sulfate	**1.52**		1.00	0.756	mg/L			03/21/25 05:26	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:47	03/24/25 15:23	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/24/25 05:47	03/24/25 15:23	1
Barium	**0.0362**		0.0100	0.000890	mg/L		03/24/25 05:47	03/24/25 15:23	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/24/25 05:47	03/24/25 15:23	1
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 15:23	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:47	03/24/25 15:23	1
Calcium	**1.34**		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 15:23	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:47	03/24/25 15:23	1
Cobalt	**0.00124**		0.000500	0.000220	mg/L		03/24/25 05:47	03/24/25 15:23	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:47	03/24/25 15:23	1
Lithium	**0.00316**	**J B**	0.00500	0.00200	mg/L		03/24/25 05:47	03/24/25 15:23	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/24/25 05:47	03/24/25 15:23	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/24/25 05:47	03/24/25 15:23	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:47	03/24/25 15:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:28	03/24/25 16:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			03/20/25 11:36	1

Client Sample ID: BAW-2A

Lab Sample ID: 180-187983-2

Date Collected: 03/17/25 13:55

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.2**		1.00	0.713	mg/L			03/21/25 03:01	1
Fluoride	**0.0448**	**J**	0.100	0.0260	mg/L			03/21/25 03:01	1
Sulfate	**5.98**		1.00	0.756	mg/L			03/21/25 03:01	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:47	03/24/25 15:25	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/24/25 05:47	03/24/25 15:25	1
Barium	**0.0388**		0.0100	0.000890	mg/L		03/24/25 05:47	03/24/25 15:25	1
Beryllium	**0.000265**	**J**	0.00100	0.000200	mg/L		03/24/25 05:47	03/24/25 15:25	1
Boron	**0.0608**	**J**	0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 15:25	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:47	03/24/25 15:25	1
Calcium	**0.795**		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 15:25	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:47	03/24/25 15:25	1
Cobalt	**0.00103**		0.000500	0.000220	mg/L		03/24/25 05:47	03/24/25 15:25	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:47	03/24/25 15:25	1

Client Sample ID: BAW-2A

Lab Sample ID: 180-187983-2

Date Collected: 03/17/25 13:55
Matrix: Water
Date Received: 03/19/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.00200		0.00500	0.00200	mg/L		03/24/25 05:47	03/24/25 15:25	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/24/25 05:47	03/24/25 15:25	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/24/25 05:47	03/24/25 15:25	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:47	03/24/25 15:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:25	03/24/25 18:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			03/20/25 11:47	1

Client Sample ID: BAW-3

Lab Sample ID: 180-187983-3

Date Collected: 03/18/25 10:11
Matrix: Water
Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.19**		1.00	0.713	mg/L			03/21/25 03:13	1
Fluoride	**0.0294**	**J**	0.100	0.0260	mg/L			03/21/25 03:13	1
Sulfate	**6.81**		1.00	0.756	mg/L			03/21/25 03:13	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:47	03/24/25 15:27	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/24/25 05:47	03/24/25 15:27	1
Barium	**0.0408**		0.0100	0.000890	mg/L		03/24/25 05:47	03/24/25 15:27	1
Beryllium	**0.000260**	**J**	0.00100	0.000200	mg/L		03/24/25 05:47	03/24/25 15:27	1
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 15:27	1
Cadmium	**0.000430**	**J**	0.00100	0.0000780	mg/L		03/24/25 05:47	03/24/25 15:27	1
Calcium	**0.799**		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 15:27	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:47	03/24/25 15:27	1
Cobalt	**0.0102**		0.000500	0.000220	mg/L		03/24/25 05:47	03/24/25 15:27	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:47	03/24/25 15:27	1
Lithium	**0.00538**	**B**	0.00500	0.00200	mg/L		03/24/25 05:47	03/24/25 15:27	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/24/25 05:47	03/24/25 15:27	1
Selenium	**0.00101**	**J**	0.00500	0.000990	mg/L		03/24/25 05:47	03/24/25 15:27	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:47	03/24/25 15:27	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:25	03/24/25 18:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**14.0**		10.0	10.0	mg/L			03/20/25 11:54	1

Client Sample ID: BAW-4

Lab Sample ID: 180-187983-4

Date Collected: 03/17/25 16:38

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.80**		1.00	0.713	mg/L			03/21/25 00:21	1
Fluoride	**0.0657**	**J**	0.100	0.0260	mg/L			03/21/25 00:21	1
Sulfate	**7.47**		1.00	0.756	mg/L			03/21/25 00:21	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:47	03/24/25 15:29	1
Arsenic	**0.00132**		0.00100	0.000860	mg/L		03/24/25 05:47	03/24/25 15:29	1
Barium	**0.0152**		0.0100	0.000890	mg/L		03/24/25 05:47	03/24/25 15:29	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/24/25 05:47	03/24/25 15:29	1
Boron	**0.0398**	**J**	0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 15:29	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:47	03/24/25 15:29	1
Calcium	**6.06**		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 15:29	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:47	03/24/25 15:29	1
Cobalt	**0.000865**		0.000500	0.000220	mg/L		03/24/25 05:47	03/24/25 15:29	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:47	03/24/25 15:29	1
Lithium	**0.0113**	**B**	0.00500	0.00200	mg/L		03/24/25 05:47	03/24/25 15:29	1
Molybdenum	**0.00111**	**J**	0.00500	0.000860	mg/L		03/24/25 05:47	03/24/25 15:29	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/24/25 05:47	03/24/25 15:29	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:47	03/24/25 15:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:25	03/24/25 18:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**37.0**		10.0	10.0	mg/L			03/20/25 11:36	1

Client Sample ID: BAW-5

Lab Sample ID: 180-187983-5

Date Collected: 03/18/25 11:29

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.76**		1.00	0.713	mg/L			03/28/25 23:51	1
Fluoride	**0.145**		0.100	0.0260	mg/L			03/28/25 23:51	1
Sulfate	**42.7**		1.00	0.756	mg/L			03/28/25 23:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:47	03/24/25 15:31	1
Arsenic	**0.00445**		0.00100	0.000860	mg/L		03/24/25 05:47	03/24/25 15:31	1
Barium	**0.108**		0.0100	0.000890	mg/L		03/24/25 05:47	03/24/25 15:31	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/24/25 05:47	03/24/25 15:31	1
Boron	**0.772**		0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 15:31	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:47	03/24/25 15:31	1
Calcium	**34.5**		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 15:31	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:47	03/24/25 15:31	1
Cobalt	**0.00147**		0.000500	0.000220	mg/L		03/24/25 05:47	03/24/25 15:31	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:47	03/24/25 15:31	1

Client Sample ID: BAW-5

Lab Sample ID: 180-187983-5

Date Collected: 03/18/25 11:29

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.0874**	**B**	0.00500	0.00200	mg/L		03/24/25 05:47	03/24/25 15:31	1
Molybdenum	**0.00384**	**J**	0.00500	0.000860	mg/L		03/24/25 05:47	03/24/25 15:31	1
Selenium	**0.00176**	**J**	0.00500	0.000990	mg/L		03/24/25 05:47	03/24/25 15:31	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:47	03/24/25 15:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:25	03/24/25 18:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**168**		10.0	10.0	mg/L			03/20/25 11:36	1

Client Sample ID: FB-01

Lab Sample ID: 180-187983-6

Date Collected: 03/18/25 08:47

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/28/25 06:00	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/28/25 06:00	1
Sulfate	<0.756		1.00	0.756	mg/L			03/28/25 06:00	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:40	03/24/25 12:59	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/24/25 05:40	03/24/25 12:59	1
Barium	<0.000890		0.0100	0.000890	mg/L		03/24/25 05:40	03/24/25 12:59	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/24/25 05:40	03/24/25 12:59	1
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:40	03/24/25 12:59	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:40	03/24/25 12:59	1
Calcium	<0.140		0.500	0.140	mg/L		03/24/25 05:40	03/24/25 12:59	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:40	03/24/25 12:59	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		03/24/25 05:40	03/24/25 12:59	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:40	03/24/25 12:59	1
Lithium	<0.00200		0.00500	0.00200	mg/L		03/24/25 05:40	03/24/25 12:59	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/24/25 05:40	03/24/25 12:59	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/24/25 05:40	03/24/25 12:59	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:40	03/24/25 12:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:28	03/24/25 17:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			03/20/25 11:54	1

Client Sample ID: EB-01

Lab Sample ID: 180-187983-7

Date Collected: 03/18/25 09:01

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**0.713**	**J**	1.00	0.713	mg/L			03/29/25 00:03	1
Fluoride	**0.0692**	**J**	0.100	0.0260	mg/L			03/29/25 00:03	1
Sulfate	<0.756		1.00	0.756	mg/L			03/29/25 00:03	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:40	03/24/25 13:05	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/24/25 05:40	03/24/25 13:05	1
Barium	<0.000890		0.0100	0.000890	mg/L		03/24/25 05:40	03/24/25 13:05	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/24/25 05:40	03/24/25 13:05	1
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:40	03/24/25 13:05	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:40	03/24/25 13:05	1
Calcium	<0.140		0.500	0.140	mg/L		03/24/25 05:40	03/24/25 13:05	1
Chromium	**0.00789**		0.00200	0.00120	mg/L		03/24/25 05:40	03/24/25 13:05	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		03/24/25 05:40	03/24/25 13:05	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:40	03/24/25 13:05	1
Lithium	<0.00200		0.00500	0.00200	mg/L		03/24/25 05:40	03/24/25 13:05	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/24/25 05:40	03/24/25 13:05	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/24/25 05:40	03/24/25 13:05	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:40	03/24/25 13:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:25	03/24/25 18:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			03/20/25 11:54	1

Client Sample ID: DUP-01

Lab Sample ID: 180-187983-8

Date Collected: 03/17/25 12:55

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.4**		1.00	0.713	mg/L			03/21/25 03:24	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/21/25 03:24	1
Sulfate	**6.05**		1.00	0.756	mg/L			03/21/25 03:24	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:40	03/24/25 13:07	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/24/25 05:40	03/24/25 13:07	1
Barium	**0.0417**		0.0100	0.000890	mg/L		03/24/25 05:40	03/24/25 13:07	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/24/25 05:40	03/24/25 13:07	1
Boron	**0.0687**	**J**	0.0800	0.0220	mg/L		03/24/25 05:40	03/24/25 13:07	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:40	03/24/25 13:07	1
Calcium	**0.837**		0.500	0.140	mg/L		03/24/25 05:40	03/24/25 13:07	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:40	03/24/25 13:07	1
Cobalt	**0.00108**		0.000500	0.000220	mg/L		03/24/25 05:40	03/24/25 13:07	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:40	03/24/25 13:07	1

Client Sample ID: DUP-01

Lab Sample ID: 180-187983-8

Date Collected: 03/17/25 12:55

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.00325**	**J**	0.00500	0.00200	mg/L		03/24/25 05:40	03/24/25 13:07	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/24/25 05:40	03/24/25 13:07	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/24/25 05:40	03/24/25 13:07	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:40	03/24/25 13:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:25	03/24/25 18:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			03/20/25 11:47	1

Client Sample ID: BAW-7

Lab Sample ID: 180-188111-1

Date Collected: 03/18/25 17:37

Matrix: Water

Date Received: 03/21/25 09:15

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.02**		1.00	0.713	mg/L			03/29/25 12:16	1
Fluoride	**0.0432**	**J**	0.100	0.0260	mg/L			03/29/25 12:16	1
Sulfate	**0.941**	**J**	1.00	0.756	mg/L			03/29/25 12:16	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/26/25 05:27	03/27/25 15:23	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/26/25 05:27	03/27/25 15:23	1
Barium	**0.0225**		0.0100	0.000890	mg/L		03/26/25 05:27	03/27/25 15:23	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/26/25 05:27	03/27/25 15:23	1
Boron	**0.0270**	**J**	0.0800	0.0220	mg/L		03/26/25 05:27	03/27/25 15:23	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/26/25 05:27	03/27/25 15:23	1
Calcium	**0.940**		0.500	0.140	mg/L		03/26/25 05:27	03/27/25 15:23	1
Chromium	**0.00762**		0.00200	0.00120	mg/L		03/26/25 05:27	03/27/25 15:23	1
Cobalt	**0.00176**		0.000500	0.000220	mg/L		03/26/25 05:27	03/27/25 15:23	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/26/25 05:27	03/27/25 15:23	1
Lithium	**0.00640**		0.00500	0.00200	mg/L		03/26/25 05:27	03/27/25 15:23	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/26/25 05:27	03/27/25 15:23	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/26/25 05:27	03/27/25 15:23	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/26/25 05:27	03/27/25 15:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/26/25 10:42	03/26/25 15:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**26.0**		10.0	10.0	mg/L			03/24/25 13:17	1

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Client Sample ID: DUP-02
Date Collected: 03/18/25 16:37
Date Received: 03/21/25 09:15

Lab Sample ID: 180-188111-2
Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.17**		1.00	0.713	mg/L			03/29/25 12:28	1
Fluoride	**0.0754**	**J**	0.100	0.0260	mg/L			03/29/25 12:28	1
Sulfate	**1.20**		1.00	0.756	mg/L			03/29/25 12:28	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/26/25 05:27	03/27/25 15:16	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/26/25 05:27	03/27/25 15:16	1
Barium	**0.0229**		0.0100	0.000890	mg/L		03/26/25 05:27	03/27/25 15:16	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/26/25 05:27	03/27/25 15:16	1
Boron	**0.0253**	**J**	0.0800	0.0220	mg/L		03/26/25 05:27	03/27/25 15:16	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/26/25 05:27	03/27/25 15:16	1
Calcium	**0.960**		0.500	0.140	mg/L		03/26/25 05:27	03/27/25 15:16	1
Chromium	**1.62**		0.00200	0.00120	mg/L		03/26/25 05:27	03/27/25 15:16	1
Cobalt	**0.00599**		0.000500	0.000220	mg/L		03/26/25 05:27	03/27/25 15:16	1
Lead	**0.000445**	**J**	0.00100	0.000210	mg/L		03/26/25 05:27	03/27/25 15:16	1
Lithium	**0.00387**	**J**	0.00500	0.00200	mg/L		03/26/25 05:27	03/27/25 15:16	1
Molybdenum	**0.0110**		0.00500	0.000860	mg/L		03/26/25 05:27	03/27/25 15:16	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/26/25 05:27	03/27/25 15:16	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/26/25 05:27	03/27/25 15:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/26/25 10:42	03/26/25 15:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**34.0**		10.0	10.0	mg/L			03/24/25 13:17	1

Method: EPA 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 180-492231/42
Matrix: Water
Analysis Batch: 492231

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/20/25 21:47	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/20/25 21:47	1
Sulfate	<0.756		1.00	0.756	mg/L			03/20/25 21:47	1

Lab Sample ID: MB 180-492231/77
Matrix: Water
Analysis Batch: 492231

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/21/25 04:58	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/21/25 04:58	1
Sulfate	<0.756		1.00	0.756	mg/L			03/21/25 04:58	1

Lab Sample ID: LCS 180-492231/43
Matrix: Water
Analysis Batch: 492231

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	53.88		mg/L		108	80 - 120		
Fluoride			2.50	2.408		mg/L		96	80 - 120		
Sulfate			50.0	47.44		mg/L		95	80 - 120		

Lab Sample ID: LCS 180-492231/78
Matrix: Water
Analysis Batch: 492231

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	54.87		mg/L		110	80 - 120		
Fluoride			2.50	2.448		mg/L		98	80 - 120		
Sulfate			50.0	48.62		mg/L		97	80 - 120		

Lab Sample ID: 180-187983-1 MS
Matrix: Water
Analysis Batch: 492231

Client Sample ID: BAW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	6.32		50.0	59.96		mg/L		107	80 - 120		
Fluoride	<0.0260		2.50	2.443		mg/L		98	80 - 120		
Sulfate	1.52		50.0	51.41		mg/L		100	80 - 120		

Lab Sample ID: 180-187983-1 MSD
Matrix: Water
Analysis Batch: 492231

Client Sample ID: BAW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6.32		50.0	59.83		mg/L		107	80 - 120	0	15
Fluoride	<0.0260		2.50	2.445		mg/L		98	80 - 120	0	15
Sulfate	1.52		50.0	51.10		mg/L		99	80 - 120	1	15

Method: EPA 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 180-492232/6
Matrix: Water
Analysis Batch: 492232

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/20/25 11:10	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/20/25 11:10	1
Sulfate	<0.756		1.00	0.756	mg/L			03/20/25 11:10	1

Lab Sample ID: LCS 180-492232/7
Matrix: Water
Analysis Batch: 492232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	51.68		mg/L		103	80 - 120
Fluoride	2.50	2.661		mg/L		106	80 - 120
Sulfate	50.0	50.79		mg/L		102	80 - 120

Lab Sample ID: MB 180-492705/86
Matrix: Water
Analysis Batch: 492705

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/28/25 03:07	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/28/25 03:07	1
Sulfate	<0.756		1.00	0.756	mg/L			03/28/25 03:07	1

Lab Sample ID: LCS 180-492705/89
Matrix: Water
Analysis Batch: 492705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	54.17		mg/L		108	80 - 120
Fluoride	2.50	2.494		mg/L		100	80 - 120
Sulfate	50.0	49.35		mg/L		99	80 - 120

Lab Sample ID: MB 180-492773/46
Matrix: Water
Analysis Batch: 492773

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/28/25 17:53	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/28/25 17:53	1
Sulfate	<0.756		1.00	0.756	mg/L			03/28/25 17:53	1

Lab Sample ID: LCS 180-492773/47
Matrix: Water
Analysis Batch: 492773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	54.46		mg/L		109	80 - 120
Fluoride	2.50	2.511		mg/L		100	80 - 120
Sulfate	50.0	49.31		mg/L		99	80 - 120

Method: EPA 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 180-492849/6
Matrix: Water
Analysis Batch: 492849

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/29/25 09:04	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/29/25 09:04	1
Sulfate	<0.756		1.00	0.756	mg/L			03/29/25 09:04	1

Lab Sample ID: LCS 180-492849/7
Matrix: Water
Analysis Batch: 492849

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	53.93		mg/L		108	80 - 120
Fluoride	2.50	2.499		mg/L		100	80 - 120
Sulfate	50.0	48.34		mg/L		97	80 - 120

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-879517/1-A
Matrix: Water
Analysis Batch: 879676

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 879517

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:40	03/25/25 10:04	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/24/25 05:40	03/25/25 10:04	1
Barium	<0.000890		0.0100	0.000890	mg/L		03/24/25 05:40	03/25/25 10:04	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/24/25 05:40	03/25/25 10:04	1
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:40	03/25/25 10:04	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:40	03/25/25 10:04	1
Calcium	<0.140		0.500	0.140	mg/L		03/24/25 05:40	03/25/25 10:04	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:40	03/25/25 10:04	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		03/24/25 05:40	03/25/25 10:04	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:40	03/25/25 10:04	1
Lithium	0.002625	J	0.00500	0.00200	mg/L		03/24/25 05:40	03/25/25 10:04	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/24/25 05:40	03/25/25 10:04	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/24/25 05:40	03/25/25 10:04	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:40	03/25/25 10:04	1

Lab Sample ID: LCS 680-879517/2-A
Matrix: Water
Analysis Batch: 879676

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 879517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.04903		mg/L		98	80 - 120
Arsenic	0.100	0.1043		mg/L		104	80 - 120
Barium	0.100	0.1036		mg/L		104	80 - 120
Beryllium	0.0500	0.05367		mg/L		107	80 - 120
Boron	0.400	0.4063		mg/L		102	80 - 120
Cadmium	0.0500	0.05275		mg/L		106	80 - 120
Calcium	5.00	5.302		mg/L		106	80 - 120
Chromium	0.100	0.1047		mg/L		105	80 - 120
Cobalt	0.0500	0.05231		mg/L		105	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-879517/2-A
Matrix: Water
Analysis Batch: 879676

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 879517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.500	0.5095		mg/L		102	80 - 120
Lithium	0.500	0.4891		mg/L		98	80 - 120
Molybdenum	0.100	0.09905		mg/L		99	80 - 120
Selenium	0.100	0.09971		mg/L		100	80 - 120
Thallium	0.0500	0.05106		mg/L		102	80 - 120

Lab Sample ID: MB 680-879518/1-A
Matrix: Water
Analysis Batch: 879626

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 879518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:40	03/24/25 12:55	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/24/25 05:40	03/24/25 12:55	1
Barium	<0.000890		0.0100	0.000890	mg/L		03/24/25 05:40	03/24/25 12:55	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/24/25 05:40	03/24/25 12:55	1
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:40	03/24/25 12:55	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:40	03/24/25 12:55	1
Calcium	<0.140		0.500	0.140	mg/L		03/24/25 05:40	03/24/25 12:55	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:40	03/24/25 12:55	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		03/24/25 05:40	03/24/25 12:55	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:40	03/24/25 12:55	1
Lithium	<0.00200		0.00500	0.00200	mg/L		03/24/25 05:40	03/24/25 12:55	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/24/25 05:40	03/24/25 12:55	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/24/25 05:40	03/24/25 12:55	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:40	03/24/25 12:55	1

Lab Sample ID: LCS 680-879518/2-A
Matrix: Water
Analysis Batch: 879626

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 879518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.05134		mg/L		103	80 - 120
Arsenic	0.100	0.1078		mg/L		108	80 - 120
Barium	0.100	0.1055		mg/L		106	80 - 120
Beryllium	0.0500	0.05654		mg/L		113	80 - 120
Boron	0.400	0.4562		mg/L		114	80 - 120
Cadmium	0.0500	0.05428		mg/L		109	80 - 120
Calcium	5.00	5.416		mg/L		108	80 - 120
Chromium	0.100	0.1102		mg/L		110	80 - 120
Cobalt	0.0500	0.05486		mg/L		110	80 - 120
Lead	0.500	0.5365		mg/L		107	80 - 120
Lithium	0.500	0.5260		mg/L		105	80 - 120
Molybdenum	0.100	0.1028		mg/L		103	80 - 120
Selenium	0.100	0.1077		mg/L		108	80 - 120
Thallium	0.0500	0.05375		mg/L		107	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-187983-6 MS
Matrix: Water
Analysis Batch: 879626

Client Sample ID: FB-01
Prep Type: Total Recoverable
Prep Batch: 879518

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.000340		0.0500	0.05035		mg/L		101	75 - 125
Arsenic	<0.000860		0.100	0.1057		mg/L		106	75 - 125
Barium	<0.000890		0.100	0.1060		mg/L		106	75 - 125
Beryllium	<0.000200		0.0500	0.05638		mg/L		113	75 - 125
Boron	<0.0220		0.400	0.4481		mg/L		112	75 - 125
Cadmium	<0.0000780		0.0500	0.05462		mg/L		109	75 - 125
Calcium	<0.140		5.00	5.438		mg/L		109	75 - 125
Chromium	<0.00120		0.100	0.1087		mg/L		109	75 - 125
Cobalt	<0.000220		0.0500	0.05409		mg/L		108	75 - 125
Lead	<0.000210		0.500	0.5260		mg/L		105	75 - 125
Lithium	<0.00200		0.500	0.5126		mg/L		103	75 - 125
Molybdenum	<0.000860		0.100	0.1031		mg/L		103	75 - 125
Selenium	<0.000990		0.100	0.1018		mg/L		102	75 - 125
Thallium	<0.000260		0.0500	0.05354		mg/L		107	75 - 125

Lab Sample ID: 180-187983-6 MSD
Matrix: Water
Analysis Batch: 879626

Client Sample ID: FB-01
Prep Type: Total Recoverable
Prep Batch: 879518

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.000340		0.0500	0.05202		mg/L		104	75 - 125	3	20
Arsenic	<0.000860		0.100	0.1069		mg/L		107	75 - 125	1	20
Barium	<0.000890		0.100	0.1076		mg/L		108	75 - 125	1	20
Beryllium	<0.000200		0.0500	0.05671		mg/L		113	75 - 125	1	20
Boron	<0.0220		0.400	0.4593		mg/L		115	75 - 125	2	20
Cadmium	<0.0000780		0.0500	0.05578		mg/L		112	75 - 125	2	20
Calcium	<0.140		5.00	5.438		mg/L		109	75 - 125	0	20
Chromium	<0.00120		0.100	0.1113		mg/L		111	75 - 125	2	20
Cobalt	<0.000220		0.0500	0.05523		mg/L		110	75 - 125	2	20
Lead	<0.000210		0.500	0.5429		mg/L		109	75 - 125	3	20
Lithium	<0.00200		0.500	0.5295		mg/L		106	75 - 125	3	20
Molybdenum	<0.000860		0.100	0.1051		mg/L		105	75 - 125	2	20
Selenium	<0.000990		0.100	0.1077		mg/L		108	75 - 125	6	20
Thallium	<0.000260		0.0500	0.05380		mg/L		108	75 - 125	0	20

Lab Sample ID: MB 680-879741/1-A
Matrix: Water
Analysis Batch: 879926

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 879741

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/26/25 05:27	03/27/25 15:10	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/26/25 05:27	03/27/25 15:10	1
Barium	<0.000890		0.0100	0.000890	mg/L		03/26/25 05:27	03/27/25 15:10	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/26/25 05:27	03/27/25 15:10	1
Boron	<0.0220		0.0800	0.0220	mg/L		03/26/25 05:27	03/27/25 15:10	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/26/25 05:27	03/27/25 15:10	1
Calcium	<0.140		0.500	0.140	mg/L		03/26/25 05:27	03/27/25 15:10	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/26/25 05:27	03/27/25 15:10	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		03/26/25 05:27	03/27/25 15:10	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-879741/1-A
Matrix: Water
Analysis Batch: 879926

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 879741

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.000210		0.00100	0.000210	mg/L		03/26/25 05:27	03/27/25 15:10	1
Lithium	<0.00200		0.00500	0.00200	mg/L		03/26/25 05:27	03/27/25 15:10	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/26/25 05:27	03/27/25 15:10	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/26/25 05:27	03/27/25 15:10	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/26/25 05:27	03/27/25 15:10	1

Lab Sample ID: LCS 680-879741/2-A
Matrix: Water
Analysis Batch: 879926

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 879741

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.04783		mg/L		96	80 - 120
Arsenic	0.100	0.09383		mg/L		94	80 - 120
Barium	0.100	0.09405		mg/L		94	80 - 120
Beryllium	0.0500	0.05111		mg/L		102	80 - 120
Boron	0.400	0.3978		mg/L		99	80 - 120
Cadmium	0.0500	0.04854		mg/L		97	80 - 120
Calcium	5.00	4.919		mg/L		98	80 - 120
Chromium	0.100	0.09581		mg/L		96	80 - 120
Cobalt	0.0500	0.04909		mg/L		98	80 - 120
Lead	0.500	0.4728		mg/L		95	80 - 120
Lithium	0.500	0.4908		mg/L		98	80 - 120
Molybdenum	0.100	0.09451		mg/L		95	80 - 120
Selenium	0.100	0.09887		mg/L		99	80 - 120
Thallium	0.0500	0.04685		mg/L		94	80 - 120

Lab Sample ID: 180-188111-2 MS
Matrix: Water
Analysis Batch: 879926

Client Sample ID: DUP-02
Prep Type: Total Recoverable
Prep Batch: 879741

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.000340		0.0500	0.04984		mg/L		100	75 - 125
Arsenic	<0.000860		0.100	0.09739		mg/L		97	75 - 125
Barium	0.0229		0.100	0.1225		mg/L		100	75 - 125
Beryllium	<0.000200		0.0500	0.05336		mg/L		107	75 - 125
Boron	0.0253	J	0.400	0.4380		mg/L		103	75 - 125
Cadmium	<0.0000780		0.0500	0.05145		mg/L		103	75 - 125
Calcium	0.960		5.00	6.110		mg/L		103	75 - 125
Chromium	1.62		0.100	0.1002	4	mg/L		-1518	75 - 125
Cobalt	0.00599		0.0500	0.05366		mg/L		95	75 - 125
Lead	0.000445	J	0.500	0.4971		mg/L		99	75 - 125
Lithium	0.00387	J	0.500	0.5159		mg/L		102	75 - 125
Molybdenum	0.0110		0.100	0.09989		mg/L		89	75 - 125
Selenium	<0.000990		0.100	0.1047		mg/L		105	75 - 125
Thallium	<0.000260		0.0500	0.04940		mg/L		99	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-188111-2 MSD
Matrix: Water
Analysis Batch: 879926

Client Sample ID: DUP-02
Prep Type: Total Recoverable
Prep Batch: 879741

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.000340		0.0500	0.04853		mg/L		97	75 - 125	3	20
Arsenic	<0.000860		0.100	0.09725		mg/L		97	75 - 125	0	20
Barium	0.0229		0.100	0.1185		mg/L		96	75 - 125	3	20
Beryllium	<0.000200		0.0500	0.05106		mg/L		102	75 - 125	4	20
Boron	0.0253	J	0.400	0.4181		mg/L		98	75 - 125	5	20
Cadmium	<0.0000780		0.0500	0.05011		mg/L		100	75 - 125	3	20
Calcium	0.960		5.00	5.905		mg/L		99	75 - 125	3	20
Chromium	1.62		0.100	0.09998	4	mg/L		-1518	75 - 125	0	20
Cobalt	0.00599		0.0500	0.05303		mg/L		94	75 - 125	1	20
Lead	0.000445	J	0.500	0.4860		mg/L		97	75 - 125	2	20
Lithium	0.00387	J	0.500	0.4967		mg/L		99	75 - 125	4	20
Molybdenum	0.0110		0.100	0.09798		mg/L		87	75 - 125	2	20
Selenium	<0.000990		0.100	0.09990		mg/L		100	75 - 125	5	20
Thallium	<0.000260		0.0500	0.04780		mg/L		96	75 - 125	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-879582/1-A
Matrix: Water
Analysis Batch: 879628

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 879582

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:25	03/24/25 17:56	1

Lab Sample ID: LCS 680-879582/2-A
Matrix: Water
Analysis Batch: 879628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 879582

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.002295		mg/L		92	80 - 120

Lab Sample ID: MB 680-879583/1-A
Matrix: Water
Analysis Batch: 879628

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 879583

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:28	03/24/25 16:53	1

Lab Sample ID: LCS 680-879583/2-A
Matrix: Water
Analysis Batch: 879628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 879583

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.002457		mg/L		98	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 180-187983-1 MS
Matrix: Water
Analysis Batch: 879628

Client Sample ID: BAW-1
Prep Type: Total/NA
Prep Batch: 879583

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.0000800		0.00100	0.0009381		mg/L		94	80 - 120		

Lab Sample ID: 180-187983-1 MSD
Matrix: Water
Analysis Batch: 879628

Client Sample ID: BAW-1
Prep Type: Total/NA
Prep Batch: 879583

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.0000800		0.00100	0.0009155		mg/L		92	80 - 120	2	20

Lab Sample ID: MB 680-879778/1-A
Matrix: Water
Analysis Batch: 879876

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 879778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/26/25 10:42	03/26/25 15:20	1

Lab Sample ID: LCS 680-879778/2-A
Matrix: Water
Analysis Batch: 879876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 879778

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00250	0.002711		mg/L		108	80 - 120		

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 180-492251/1
Matrix: Water
Analysis Batch: 492251

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			03/20/25 11:36	1

Lab Sample ID: LCS 180-492251/2
Matrix: Water
Analysis Batch: 492251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			239	212.0		mg/L		89	85 - 115		

Lab Sample ID: 180-187983-1 DU
Matrix: Water
Analysis Batch: 492251

Client Sample ID: BAW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	<10.0			10.00		mg/L				NC	10

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: MB 180-492254/1
Matrix: Water
Analysis Batch: 492254

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			03/20/25 11:47	1

Lab Sample ID: LCS 180-492254/2
Matrix: Water
Analysis Batch: 492254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	420	398.0		mg/L		95	85 - 115

Lab Sample ID: 180-187983-2 DU
Matrix: Water
Analysis Batch: 492254

Client Sample ID: BAW-2A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10.0		<10.0		mg/L		NC	10

Lab Sample ID: MB 180-492255/1
Matrix: Water
Analysis Batch: 492255

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			03/20/25 11:54	1

Lab Sample ID: LCS 180-492255/2
Matrix: Water
Analysis Batch: 492255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	420	394.0		mg/L		94	85 - 115

Lab Sample ID: 180-187983-7 DU
Matrix: Water
Analysis Batch: 492255

Client Sample ID: EB-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10.0		<10.0		mg/L		NC	10

Lab Sample ID: MB 180-492441/1
Matrix: Water
Analysis Batch: 492441

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			03/24/25 13:17	1

Lab Sample ID: LCS 180-492441/2
Matrix: Water
Analysis Batch: 492441

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	420	396.0		mg/L		94	85 - 115

HPLC/IC

Analysis Batch: 492231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total/NA	Water	EPA 9056A	
180-187983-2	BAW-2A	Total/NA	Water	EPA 9056A	
180-187983-3	BAW-3	Total/NA	Water	EPA 9056A	
180-187983-8	DUP-01	Total/NA	Water	EPA 9056A	
MB 180-492231/42	Method Blank	Total/NA	Water	EPA 9056A	
MB 180-492231/77	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-492231/43	Lab Control Sample	Total/NA	Water	EPA 9056A	
LCS 180-492231/78	Lab Control Sample	Total/NA	Water	EPA 9056A	
180-187983-1 MS	BAW-1	Total/NA	Water	EPA 9056A	
180-187983-1 MSD	BAW-1	Total/NA	Water	EPA 9056A	

Analysis Batch: 492232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-4	BAW-4	Total/NA	Water	EPA 9056A	
MB 180-492232/6	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-492232/7	Lab Control Sample	Total/NA	Water	EPA 9056A	

Analysis Batch: 492705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-6	FB-01	Total/NA	Water	EPA 9056A	
MB 180-492705/86	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-492705/89	Lab Control Sample	Total/NA	Water	EPA 9056A	

Analysis Batch: 492773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-5	BAW-5	Total/NA	Water	EPA 9056A	
180-187983-7	EB-01	Total/NA	Water	EPA 9056A	
MB 180-492773/46	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-492773/47	Lab Control Sample	Total/NA	Water	EPA 9056A	

Analysis Batch: 492849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188111-1	BAW-7	Total/NA	Water	EPA 9056A	
180-188111-2	DUP-02	Total/NA	Water	EPA 9056A	
MB 180-492849/6	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-492849/7	Lab Control Sample	Total/NA	Water	EPA 9056A	

Metals

Prep Batch: 879517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total Recoverable	Water	3005A	
180-187983-2	BAW-2A	Total Recoverable	Water	3005A	
180-187983-3	BAW-3	Total Recoverable	Water	3005A	
180-187983-4	BAW-4	Total Recoverable	Water	3005A	
180-187983-5	BAW-5	Total Recoverable	Water	3005A	
MB 680-879517/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-879517/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Metals

Prep Batch: 879518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-6	FB-01	Total Recoverable	Water	3005A	
180-187983-7	EB-01	Total Recoverable	Water	3005A	
180-187983-8	DUP-01	Total Recoverable	Water	3005A	
MB 680-879518/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-879518/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-187983-6 MS	FB-01	Total Recoverable	Water	3005A	
180-187983-6 MSD	FB-01	Total Recoverable	Water	3005A	

Prep Batch: 879582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-2	BAW-2A	Total/NA	Water	7470A	
180-187983-3	BAW-3	Total/NA	Water	7470A	
180-187983-4	BAW-4	Total/NA	Water	7470A	
180-187983-5	BAW-5	Total/NA	Water	7470A	
180-187983-7	EB-01	Total/NA	Water	7470A	
180-187983-8	DUP-01	Total/NA	Water	7470A	
MB 680-879582/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-879582/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 879583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total/NA	Water	7470A	
180-187983-6	FB-01	Total/NA	Water	7470A	
MB 680-879583/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-879583/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-187983-1 MS	BAW-1	Total/NA	Water	7470A	
180-187983-1 MSD	BAW-1	Total/NA	Water	7470A	

Analysis Batch: 879626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-6	FB-01	Total Recoverable	Water	6020B	879518
180-187983-7	EB-01	Total Recoverable	Water	6020B	879518
180-187983-8	DUP-01	Total Recoverable	Water	6020B	879518
MB 680-879518/1-A	Method Blank	Total Recoverable	Water	6020B	879518
LCS 680-879518/2-A	Lab Control Sample	Total Recoverable	Water	6020B	879518
180-187983-6 MS	FB-01	Total Recoverable	Water	6020B	879518
180-187983-6 MSD	FB-01	Total Recoverable	Water	6020B	879518

Analysis Batch: 879628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total/NA	Water	7470A	879583
180-187983-2	BAW-2A	Total/NA	Water	7470A	879582
180-187983-3	BAW-3	Total/NA	Water	7470A	879582
180-187983-4	BAW-4	Total/NA	Water	7470A	879582
180-187983-5	BAW-5	Total/NA	Water	7470A	879582
180-187983-6	FB-01	Total/NA	Water	7470A	879583
180-187983-7	EB-01	Total/NA	Water	7470A	879582
180-187983-8	DUP-01	Total/NA	Water	7470A	879582
MB 680-879582/1-A	Method Blank	Total/NA	Water	7470A	879582
MB 680-879583/1-A	Method Blank	Total/NA	Water	7470A	879583
LCS 680-879582/2-A	Lab Control Sample	Total/NA	Water	7470A	879582

Metals (Continued)

Analysis Batch: 879628 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-879583/2-A	Lab Control Sample	Total/NA	Water	7470A	879583
180-187983-1 MS	BAW-1	Total/NA	Water	7470A	879583
180-187983-1 MSD	BAW-1	Total/NA	Water	7470A	879583

Analysis Batch: 879676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total Recoverable	Water	6020B	879517
180-187983-2	BAW-2A	Total Recoverable	Water	6020B	879517
180-187983-3	BAW-3	Total Recoverable	Water	6020B	879517
180-187983-4	BAW-4	Total Recoverable	Water	6020B	879517
180-187983-5	BAW-5	Total Recoverable	Water	6020B	879517
MB 680-879517/1-A	Method Blank	Total Recoverable	Water	6020B	879517
LCS 680-879517/2-A	Lab Control Sample	Total Recoverable	Water	6020B	879517

Prep Batch: 879741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188111-1	BAW-7	Total Recoverable	Water	3005A	
180-188111-2	DUP-02	Total Recoverable	Water	3005A	
MB 680-879741/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-879741/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-188111-2 MS	DUP-02	Total Recoverable	Water	3005A	
180-188111-2 MSD	DUP-02	Total Recoverable	Water	3005A	

Prep Batch: 879778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188111-1	BAW-7	Total/NA	Water	7470A	
180-188111-2	DUP-02	Total/NA	Water	7470A	
MB 680-879778/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-879778/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 879876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188111-1	BAW-7	Total/NA	Water	7470A	879778
180-188111-2	DUP-02	Total/NA	Water	7470A	879778
MB 680-879778/1-A	Method Blank	Total/NA	Water	7470A	879778
LCS 680-879778/2-A	Lab Control Sample	Total/NA	Water	7470A	879778

Analysis Batch: 879926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188111-1	BAW-7	Total Recoverable	Water	6020B	879741
180-188111-2	DUP-02	Total Recoverable	Water	6020B	879741
MB 680-879741/1-A	Method Blank	Total Recoverable	Water	6020B	879741
LCS 680-879741/2-A	Lab Control Sample	Total Recoverable	Water	6020B	879741
180-188111-2 MS	DUP-02	Total Recoverable	Water	6020B	879741
180-188111-2 MSD	DUP-02	Total Recoverable	Water	6020B	879741

General Chemistry

Analysis Batch: 492251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 492251 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-4	BAW-4	Total/NA	Water	SM 2540C	
180-187983-5	BAW-5	Total/NA	Water	SM 2540C	
MB 180-492251/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-492251/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-187983-1 DU	BAW-1	Total/NA	Water	SM 2540C	

Analysis Batch: 492254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-2	BAW-2A	Total/NA	Water	SM 2540C	
180-187983-8	DUP-01	Total/NA	Water	SM 2540C	
MB 180-492254/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-492254/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-187983-2 DU	BAW-2A	Total/NA	Water	SM 2540C	

Analysis Batch: 492255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-3	BAW-3	Total/NA	Water	SM 2540C	
180-187983-6	FB-01	Total/NA	Water	SM 2540C	
180-187983-7	EB-01	Total/NA	Water	SM 2540C	
MB 180-492255/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-492255/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-187983-7 DU	EB-01	Total/NA	Water	SM 2540C	

Analysis Batch: 492441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188111-1	BAW-7	Total/NA	Water	SM 2540C	
180-188111-2	DUP-02	Total/NA	Water	SM 2540C	
MB 180-492441/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-492441/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Heydendorfer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:

Address	Due Date Requested:
3535 Colonnade Pkwy Bin S 530 EC	
City: Birmingham	TAT Requested (days):
State, Zip: Alabama	
Phone: 205 992 6283	PO #:
Email: SCS Contacts	WO #:
Project Name: Daniel Ash Pond B CCR	Project #: 18020047
Site	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B Custom 14 (App III and IV)	7470 Mercury	90656 Chloride Fluoride Sulfate	Total Dissolved Solids	Ra 226 Ra 228 and Combined	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BAW-1	3-17-25	1234	G	water	No		X	X	X	X	X	7	
BAW-2A	3-17-25	1355	G	water	No		X	X	X	X	X	7	
BAW-3	3-18-25	1011	G	water	No		X	X	X	X	X	7	
BAW-4	3 17-25	1638	G	water	No		X	X	X	X	X	7	
BAW-5	3-18-25	1129	G	water	No		X	X	X	X	X	7	
~~BAW-7~~ RO# 3-18-25													
FB- 01	3-18-25	0847	G	water	No		X	X	X	X	X	7	
EB- 01	3-18-25	0901	G	water	No		X	X	X	X	X	7	
DUP- 01	3-17-25	1255	G	water	No		X	X	X	X	X	7	

180-187983 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		3-18-25 1627	SOL ENV.		3/19/25 0930	EUFINS
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.. | Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hagendorfer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:

Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:	Analysis Requested
City: Birmingham	TAT Requested (days):	
State, Zip: Alabama		
Phone: 205 992 6283	PO #:	
Email: SCS Contacts	WO #:	
Project Name: Daniel Ash Pond B General Chemistry	Project #: 18020047	
Site	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B Metals (Ca, K, Mg, Na, St)	9056A Chloride & Sulfate	Alkalinity, Total Bicarb, Carb	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
BAW-1	3-17-25	1234	G	water	No		X	X	X	2	
BAW-2A	3-17-25	1355	G	water	No		X	X	X	2	
BAW-3	3-18-25	1011	G	water	No		X	X	X	2	
FB-01	3-18-25	0847	G	water	No		X	X	X	2	
EB-01	3-18-25	0901	G	water	No		X	X	X	2	
DUP-01	3-17-25	1255	G	water	No		X	X	X	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time: 3-18-25 1452	Company: RSH EM	Received by:	Date/Time: 3/19/25 0930	Company: EHNB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Heyendorfer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:

Address	Due Date Requested:
3535 Colonnade Pkwy Bin S 530 EC	
City: Birmingham	TAT Requested (days):
State, Zip: Alabama	
Phone: 205 992 6283	PO #:
Email: SCS Contacts	WO #:
Project Name: Daniel Ash Pond B CCR	Project #: 18020047
Site	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B Custom 14 (App III and IV)	7470 Mercury	90656 Chloride Fluoride Sulfate	Total Dissolved Solids	Ra 226 Ra 228 and Combined	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BAW-1													
BAW-2A													
BAW-3													
BAW-4													
BAW-5 RDH 3-20-25													
BAW-7	3-18-25	1737	G	water	No		X	X	1	X	X	7	
FB-													
EB-													
DUP- RDH 3 20-25													
DWP-02	3-18-25	1637	G	water	No		X	X	X	X	X	7	

180-188111 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
	3-20-25 1137	RDH ENV.		3-21-25 0915	EPI ANE
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Do Not [illegible] this Tag

Do N

180-187983 Waybill

:BIXA (999) 999-9999
CA PITTSBURGH LAB
DR
, PA 15238
ATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE
DIMS: 26x15x14 IN

BILL THIRD

IFINS

LPHA DR
PARK
SBURGH PA 15238
7058 REF:
DEPT:

198-7028FL

ETP: 28
1002826022710001523802286
SPHXX:100:

PRIORITY OV

corrected temp 1.7 °C
ermometer ID 25
-0.6 Initials

-SR-001 effective 7/26/13

4 of 12
65 8335 1206
865 8335 1170 0201
AGCA
PA-

WED - 19 MAI
PRIORITY OVI

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

198-7028FL

ETP: 28
1002826022710001523802286
SPHXX:100:

PRIORITY OVERNIGHT
15238-2907.01

4150 WED 03/19 07:24
301 ALPHA DR
PITTSBURGH PA
230052

Uncorrected temp 2.4 °C
Thermometer ID 25
CF -0.6 Initials

PT-WI-SR-001 effective 7/26/13

FedEx Express

J2510241217011

2 of 12
MPS# 0263 2865 8335 1180
Mstr# 2865 8335 1170 0201
XS AGCA
15238
PA-US PIT

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT

Part # 165297-488-ERMID28 EXP 10/25

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 3.4 °C
Thermometer ID 25
CF -0.6 Initials

PT-WI-SR-001 effective 7/26/13

FedEx Express

J2510241217011

7 of 12
MPS# 0263 2865 8335 1239
Mstr# 2865 8335 1170 0201
XS AGCA
15238
PA-US PIT

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT

Part # 165297-488-ERMID28 EXP 10/25

Do Not Lift Using ...

Do Not ... Using This Tag

RIGIN ID:BIXA (999) 999-9999
ESTAMERICA PITTSBURGH LAB
01 ALPHA DR
ITTSBURGH, PA 15238
NITED STATES US

SHIP DATE: 18MA
ACTWGT: 60.00 L
CAD: 6993800/SS
DIMS: 26x15x14

BILL THIRD PART

EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

412) 963-7058 REF:
NV:
O: DEPT:

Uncorrected temp 3.8 °C
Thermometer ID 25
CF -0.6 Initials SR

PT-WI-SR-001 effective 7/26/13

3 of 12

PS# 263 2865 8335 1191

WED - 19 MA
PRIORITY OV

Mstr# 2865 8335 1170 0201

XS AGCA

PA

3/21/2025

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18
ACTWGT: 60.00
CAD: 6993800/
DIMS: 26x15x1

BILL THIRD PA

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 4.3 °C
Thermometer ID 25
CF -0.6 Initials SR

PT-WI-SR-001 effective 7/26/13

6 of 12

MPS# 0263 2865 8335 1228

WED - 19 MA
PRIORITY OV

Mstr# 2865 8335 1170 0201

XS AGCA

PA-

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN

BILL THIRD PARTY

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 3.6 °C
Thermometer ID 25
CF -0.6 Initials SR

PT-WI-SR-001 effective 7/26/13

FedEx Express

J25102412170 1uv

12 of 12

MPS# 0263 2865 8335 1283

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT

Mstr# 2865 8335 1170 0201

XS AGCA

15238
PA-US PIT

Part # 1 of 1 [illegible]

Using This Tag

Do Not Lift Using This Tag

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 3.1 °C
Thermometer ID 25
CF -0.6 Initials SR
PT-WI-SR-001 effective 7/26/13

FedEx Express

J251024121701uv

8 of 12
MPS# 0263 2865 8335 1240
Mstr# 2865 8335 1170 0201

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT

Part # 156297-[illegible] 10/25

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 2.2 °C
Thermometer ID 25
CF -0.6 Initials SR
PT-WI-SR-001 effective 7/26/13

FedEx Express

J251024121701uv

10 of 12
MPS# 0263 2865 8335 1261
Mstr# 2865 8335 1170 0201

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT

XS AGCA

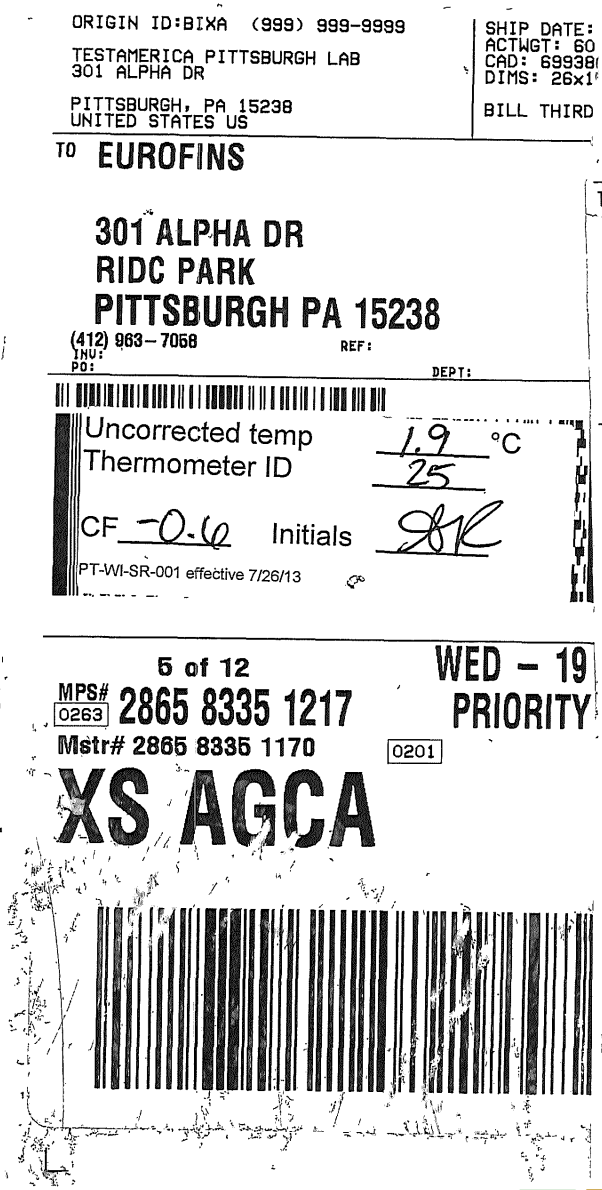
15238
PA-US PIT

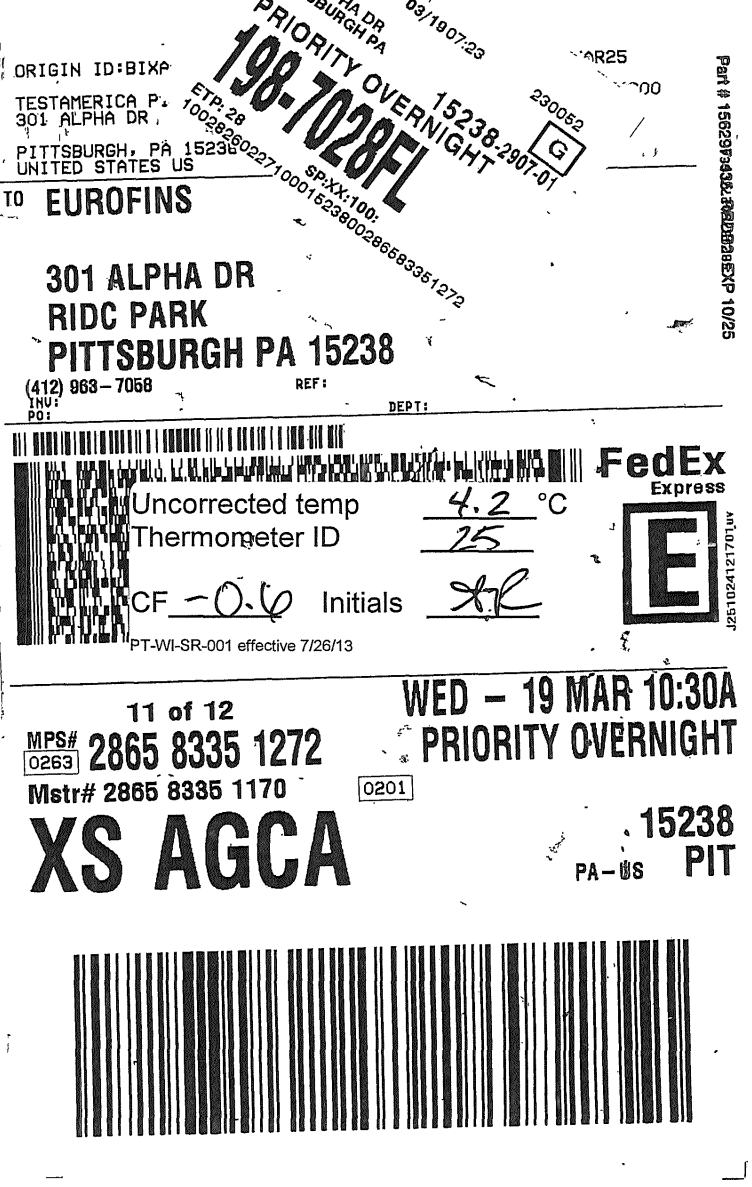
Part # 156297-[illegible] 10/25

Not Lift Using This Tag

Do Not Lift Using This Tag







Align FedEx® pouch here.

ORIGIN ID:VPSA (850) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 20MAR25
ACTWGT: 67.55 LB
CAD: 6570893/ROSA2610
DIMS: 25x14x13 IN

BILL THIRD PARTY

Part # 156297-435 RRDB2 EXP 07/25

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 0.9 °C
Thermometer ID 24
CF -0.4 Initials MR

PT-WI-SR-001 effective 7/26/13

FedEx Express

J2510241217U01 AM

180-188111 Waybill

3 of 3

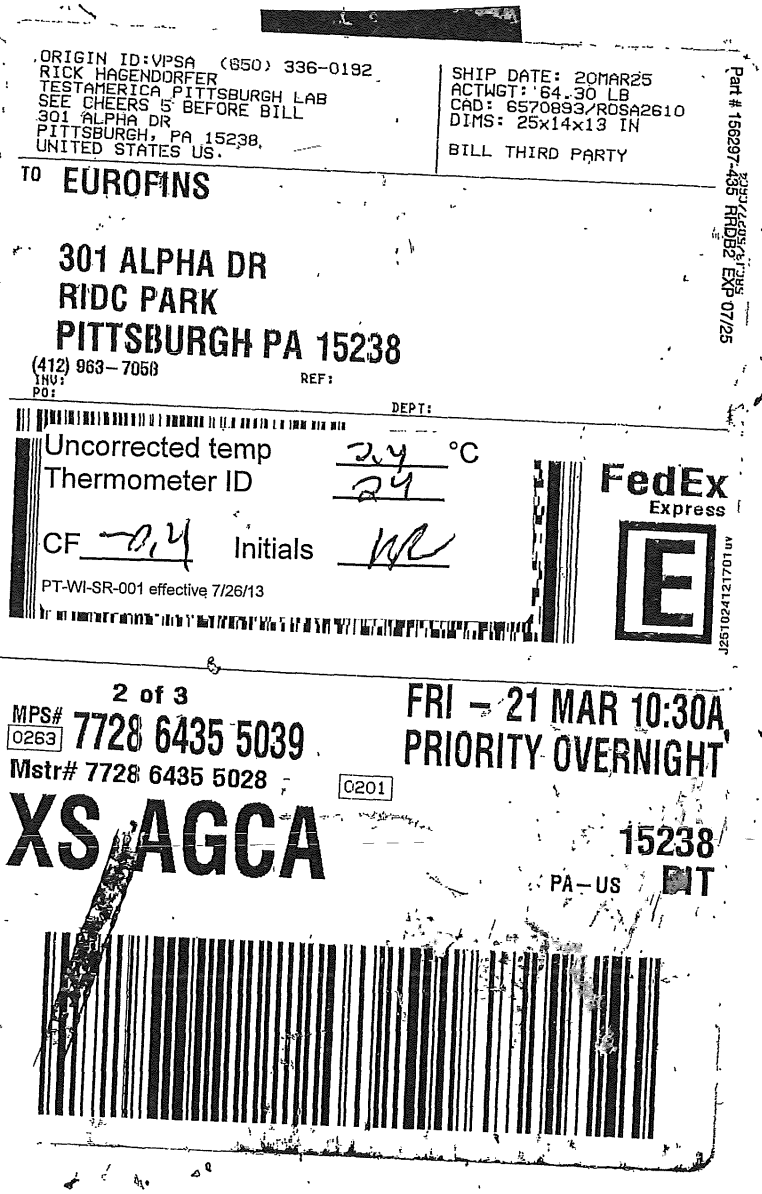
MPS# 0263 7728 6435 5040

Mstr# 7728 6435 5028 0201

FRI - 21 MAR 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT



ORIGIN ID:VPSA (650) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US.

SHIP DATE: 20MAR25
ACTWGT: 64.30 LB
CAD: 6570893/ROSA2610
DIMS: 25x14x13 IN

BILL THIRD PARTY

Part # 156297-435 RRDB2 EXP 07/25

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(412) 963-7058

INV:
PO:
REF:
DEPT:

Uncorrected temp 2.4 °C
Thermometer ID 24
CF -0.4 Initials NR

PT-WI-SR-001 effective 7/26/13

FedEx Express

2 of 3

MPS# 0263 7728 6435 5039
Mstr# 7728 6435 5028

0201

XS AGCA

FRI - 21 MAR 10:30A
PRIORITY OVERNIGHT

15238
PA-US PIT

Align open end of FedEx pouch here.

Align FedEx® pouch here.

ORIGIN ID:VPSA (850) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 20MAR25
ACTWGT: 73.30 LB
CAD: 6570893/ROSA2610
DIMS: 25x14x13 IN
BILL THIRD PARTY

Part # 156207-435 RRDB2-EXP 07/25

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058

INV:
PO:
REF:
DEPT:

Uncorrected temp 4.2 °C
Thermometer ID 24
CF -0.4 Initials

PT-WI-SR-001 effective 7/26/13

FedEx Express

J251024121701uv

1 of 3

TRK# 0201 7728 6435 5028

MASTER

XS AGCA

FRI - 21 MAR 10:30A
PRIORITY OVERNIGHT

15238
PA-US PIT

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-535110.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Mississippi	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): N/A		Job #: 180-187983-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 4/1/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Daniel Ash Pond B	Project #: 18020047			Other: N/A
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Standard Target List	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
BAW-1 (180-187983-1)	3/17/25	12:34 Central	G	Water			X	X	X	3	
BAW-2A (180-187983-2)	3/17/25	13:55 Central	G	Water			X	X	X	3	
BAW-3 (180-187983-3)	3/18/25	10:11 Central	G	Water			X	X	X	3	
BAW-4 (180-187983-4)	3/17/25	16:38 Central	G	Water			X	X	X	3	
BAW-5 (180-187983-5)	3/18/25	11:29 Central	G	Water			X	X	X	3	
FB-01 (180-187983-6)	3/18/25	08:47 Central	G	Water			X	X	X	3	
EB-01 (180-187983-7)	3/18/25	09:01 Central	G	Water			X	X	X	3	
DUP-01 (180-187983-8)	3/17/25	12:55 Central	G	Water			X	X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		3/20/25 1700	ETA-STL		0815 MAR 21 2025	ETA-STL
2	Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-535113.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Mississippi	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): N/A		Job #: 180-187983-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 4/1/2025			
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Daniel Ash Pond B	Project #: 18020047			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A (MOD) Custom 14 (AppIII + App IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/3005A Custom 14 (AppIII + App IV)	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
BAW-1 (180-187983-1)	3/17/25	12:34 Central	G	Water			X	X		2	
BAW-2A (180-187983-2)	3/17/25	13:55 Central	G	Water			X	X		2	
BAW-3 (180-187983-3)	3/18/25	10:11 Central	G	Water			X	X		2	
BAW-4 (180-187983-4)	3/17/25	16:38 Central	G	Water				X	X	2	
BAW-5 (180-187983-5)	3/18/25	11:29 Central	G	Water				X	X	2	
FB-01 (180-187983-6)	3/18/25	08:47 Central	G	Water			X	X		2	
EB-01 (180-187983-7)	3/18/25	09:01 Central	G	Water			X	X		2	
DUP-01 (180-187983-8)	3/17/25	12:55 Central	G	Water			X	X		2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification Unconfirmed	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/20/25 1700	Eurofins			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	3/21/25 1050	Eurofins

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 10.1/10.1

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-187983-1

Login Number: 187983
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-187983-1

Login Number: 187983
List Number: 3
Creator: Munro, Caroline

List Source: Eurofins Savannah
List Creation: 03/21/25 07:33 PM

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-187983-1

Login Number: 188111
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-187983-1

Login Number: 188111
List Number: 2
Creator: Faught, Timothy

List Source: Eurofins Savannah
List Creation: 03/25/25 11:59 AM

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 3/31/2025 12:53:47 PM

JOB DESCRIPTION

Plant Daniel Ash Pond B Gen Chem

JOB NUMBER

180-187983-3

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

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.

PA Lab ID: 02-00416

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 Pittsburgh Project Manager.

Authorization



Generated
3/31/2025 12:53:47 PM

Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Definitions/Glossary 5
Certification Summary 6
Sample Summary 8
Method Summary 9
Lab Chronicle 10
Client Sample Results 12
QC Sample Results 15
QC Association Summary 19
Chain of Custody 21
Receipt Checklists 28

Job ID: 180-187983-3 — Eurofins Pittsburgh

Job Narrative
180-187983-3

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/19/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 11 coolers at receipt time were 1.1°C, 1.3°C, 1.6°C, 1.8°C, 2.3°C, 2.5°C, 2.8°C, 3.0°C, 3.2°C, 3.6°C and 3.7°C.

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

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

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

Definitions/Glossary

Client: Southern Company
Job ID: 180-187983-3
Project/Site: Plant Daniel Ash Pond B Gen Chem

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-187983-3
Project/Site: Plant Daniel Ash Pond B Gen Chem

Laboratory: Eurofins Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00690	06-28-25
California	State	2891	04-30-24 *
Connecticut	State	PH-0820	09-30-24 *
Florida	NELAP	E871008	06-30-25
Georgia	State	PA 02-00416	04-30-25
Illinois	NELAP	200005	07-31-25
Kansas	NELAP	E-10350	01-31-26
Kentucky (UST)	State	162013	04-30-25
Kentucky (WW)	State	KY98043	12-31-25
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-25
Maine	State	PA00164	03-06-26
Minnesota	NELAP	042-999-482	12-31-24 *
New Hampshire	NELAP	2030	04-04-25
New Jersey	NELAP	PA005	06-30-25
New York	NELAP	11182	04-01-25
North Carolina (WW/SW)	State	434	12-31-25
North Dakota	State	R-227	04-30-24 *
Oregon	NELAP	PA-2151	02-06-25 *
Pennsylvania	NELAP	02-00416	04-30-25
Rhode Island	State	LAO00375	01-01-25 *
South Carolina	State	89014	04-30-25
Texas	NELAP	T104704528	03-31-25
US Fish & Wildlife	US Federal Programs	A21930	04-30-25
USDA	US Federal Programs	P330-16-00211	04-11-26
Utah	NELAP	PA001462024-14	05-31-25
Virginia	NELAP	460189	07-14-24 *
West Virginia DEP	State	142	01-31-26
Wisconsin	State	998027800	08-31-25

Laboratory: Eurofins Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-25
ANAB	Dept. of Defense ELAP	L2463	09-22-26
Arkansas (DW)	State	GA00006	06-30-25
Arkansas DEQ	State	88-00692	02-09-26
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25
Georgia (DW)	State	803	06-30-25
Guam	State	24-05R	04-17-25
Hawaii	State	<cert No.>	06-30-25
Illinois	NELAP	200022	11-30-25
Iowa	State	353	07-01-25
Kentucky (UST)	State	108138	06-30-24 *
Louisiana (All)	NELAP	30690	06-30-25
Maine	State	GA00006	09-25-26
Mississippi	State	<cert No.>	06-30-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-187983-3
Project/Site: Plant Daniel Ash Pond B Gen Chem

Laboratory: Eurofins Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Nebraska	State	NE-OS-7-04	06-30-25
New Mexico	State	GA00006	06-30-25
North Carolina (DW)	State	13701	07-31-25
North Carolina (WW/SW)	State	269	12-31-25
Puerto Rico	State	GA00006	01-15-26
South Carolina	State	98001	06-30-26
Tennessee	State	TN02961	06-30-25
Texas	TCEQ Water Supply	T104704185	06-30-25
USDA	US Federal Programs	P330-18-00313	04-04-27
Virginia	NELAP	460161	06-14-25
Wyoming	State	8TMS-L	06-30-25

Sample Summary

Client: Southern Company
Job ID: 180-187983-3
Project/Site: Plant Daniel Ash Pond B Gen Chem

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-187983-1	BAW-1	Water	03/17/25 12:34	03/19/25 09:30
180-187983-2	BAW-2A	Water	03/17/25 13:55	03/19/25 09:30
180-187983-3	BAW-3	Water	03/18/25 10:11	03/19/25 09:30
180-187983-6	FB-01	Water	03/18/25 08:47	03/19/25 09:30
180-187983-7	EB-01	Water	03/18/25 09:01	03/19/25 09:30
180-187983-8	DUP-01	Water	03/17/25 12:55	03/19/25 09:30

Method Summary

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B Gen Chem

Job ID: 180-187983-3

Method	Method Description	Protocol	Laboratory
EPA 9056A	Anions, Ion Chromatography	SW846	EET PIT
6020B	Metals (ICP/MS)	SW846	EET SAV
SM2320 B	Alkalinity, Total	SM18	EET PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV

Protocol References:

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058
EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B Gen Chem

Job ID: 180-187983-3

Client Sample ID: BAW-1
Date Collected: 03/17/25 12:34
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492231	03/21/25 05:26	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879517	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879676	03/24/25 15:23	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	SM2320 B		1			492553	03/25/25 15:03	ELS	EET PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: BAW-2A
Date Collected: 03/17/25 13:55
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492231	03/21/25 03:01	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879517	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879676	03/24/25 15:25	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	SM2320 B		1			492553	03/25/25 15:06	ELS	EET PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: BAW-3
Date Collected: 03/18/25 10:11
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492231	03/21/25 03:13	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879517	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879676	03/24/25 15:27	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	SM2320 B		1			492553	03/25/25 15:10	ELS	EET PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: FB-01
Date Collected: 03/18/25 08:47
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492705	03/28/25 06:00	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:40	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 12:59	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	SM2320 B		1			492553	03/25/25 15:14	ELS	EET PIT
	Instrument ID: PCTITRATOR									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B Gen Chem

Job ID: 180-187983-3

Client Sample ID: EB-01

Lab Sample ID: 180-187983-7

Date Collected: 03/18/25 09:01

Matrix: Water

Date Received: 03/19/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492773	03/29/25 00:03	SJM	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:40	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 13:05	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	SM2320 B		1			492553	03/25/25 15:16	ELS	EET PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: DUP-01

Lab Sample ID: 180-187983-8

Date Collected: 03/17/25 12:55

Matrix: Water

Date Received: 03/19/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492231	03/21/25 03:24	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:40	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 13:07	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	SM2320 B		1			492749	03/27/25 13:13	ELS	EET PIT
	Instrument ID: PCTITRATOR									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Analyst References:

Lab: EET PIT

Batch Type: Analysis

ELS = Edwin Shireman

M1D = Maureen Donlin

SJM = Shannon Mueller

Lab: EET SAV

Batch Type: Prep

RR = Robert Rancourt

Batch Type: Analysis

BWR = Bryn Robertson

Client Sample ID: BAW-1

Lab Sample ID: 180-187983-1

Date Collected: 03/17/25 12:34
Date Received: 03/19/25 09:30

Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.32		1.00	0.713	mg/L			03/21/25 05:26	1
Sulfate	1.52		1.00	0.756	mg/L			03/21/25 05:26	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	0.847		0.250	0.0230	mg/L		03/24/25 05:47	03/24/25 15:23	1
Potassium	0.550	J	1.00	0.0440	mg/L		03/24/25 05:47	03/24/25 15:23	1
Sodium	4.33		0.500	0.200	mg/L		03/24/25 05:47	03/24/25 15:23	1
Strontium	0.00948		0.00100	0.000190	mg/L		03/24/25 05:47	03/24/25 15:23	1
Calcium	1.34		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 15:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	9.84		5.00	5.00	mg/L			03/25/25 15:03	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	9.84		5.00	5.00	mg/L			03/25/25 15:03	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.00		5.00	5.00	mg/L			03/25/25 15:03	1

Client Sample ID: BAW-2A

Lab Sample ID: 180-187983-2

Date Collected: 03/17/25 13:55
Date Received: 03/19/25 09:30

Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.2		1.00	0.713	mg/L			03/21/25 03:01	1
Sulfate	5.98		1.00	0.756	mg/L			03/21/25 03:01	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	0.879		0.250	0.0230	mg/L		03/24/25 05:47	03/24/25 15:25	1
Potassium	0.616	J	1.00	0.0440	mg/L		03/24/25 05:47	03/24/25 15:25	1
Sodium	10.6		0.500	0.200	mg/L		03/24/25 05:47	03/24/25 15:25	1
Strontium	0.00958		0.00100	0.000190	mg/L		03/24/25 05:47	03/24/25 15:25	1
Calcium	0.795		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 15:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	5.78		5.00	5.00	mg/L			03/25/25 15:06	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	5.78		5.00	5.00	mg/L			03/25/25 15:06	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.00		5.00	5.00	mg/L			03/25/25 15:06	1

Client Sample ID: BAW-3

Lab Sample ID: 180-187983-3

Date Collected: 03/18/25 10:11
Date Received: 03/19/25 09:30

Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.19		1.00	0.713	mg/L			03/21/25 03:13	1

Client Sample ID: BAW-3

Lab Sample ID: 180-187983-3
Matrix: Water
Date Collected: 03/18/25 10:11
Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	6.81		1.00	0.756	mg/L			03/21/25 03:13	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	0.962		0.250	0.0230	mg/L		03/24/25 05:47	03/24/25 15:27	1
Potassium	0.679	J	1.00	0.0440	mg/L		03/24/25 05:47	03/24/25 15:27	1
Sodium	3.95		0.500	0.200	mg/L		03/24/25 05:47	03/24/25 15:27	1
Strontium	0.0102		0.00100	0.000190	mg/L		03/24/25 05:47	03/24/25 15:27	1
Calcium	0.799		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 15:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	<5.00		5.00	5.00	mg/L			03/25/25 15:10	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.00		5.00	5.00	mg/L			03/25/25 15:10	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.00		5.00	5.00	mg/L			03/25/25 15:10	1

Client Sample ID: FB-01

Lab Sample ID: 180-187983-6
Matrix: Water
Date Collected: 03/18/25 08:47
Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/28/25 06:00	1
Sulfate	<0.756		1.00	0.756	mg/L			03/28/25 06:00	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0230		0.250	0.0230	mg/L		03/24/25 05:40	03/24/25 12:59	1
Potassium	<0.0440		1.00	0.0440	mg/L		03/24/25 05:40	03/24/25 12:59	1
Sodium	<0.200		0.500	0.200	mg/L		03/24/25 05:40	03/24/25 12:59	1
Strontium	<0.000190		0.00100	0.000190	mg/L		03/24/25 05:40	03/24/25 12:59	1
Calcium	<0.140		0.500	0.140	mg/L		03/24/25 05:40	03/24/25 12:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	<5.00		5.00	5.00	mg/L			03/25/25 15:14	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.00		5.00	5.00	mg/L			03/25/25 15:14	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.00		5.00	5.00	mg/L			03/25/25 15:14	1

Client Sample ID: EB-01

Lab Sample ID: 180-187983-7
Matrix: Water
Date Collected: 03/18/25 09:01
Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.713	J	1.00	0.713	mg/L			03/29/25 00:03	1
Sulfate	<0.756		1.00	0.756	mg/L			03/29/25 00:03	1

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B Gen Chem

Job ID: 180-187983-3

Client Sample ID: EB-01

Lab Sample ID: 180-187983-7

Date Collected: 03/18/25 09:01

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0230		0.250	0.0230	mg/L		03/24/25 05:40	03/24/25 13:05	1
Potassium	<0.0440		1.00	0.0440	mg/L		03/24/25 05:40	03/24/25 13:05	1
Sodium	<0.200		0.500	0.200	mg/L		03/24/25 05:40	03/24/25 13:05	1
Strontium	<0.000190		0.00100	0.000190	mg/L		03/24/25 05:40	03/24/25 13:05	1
Calcium	<0.140		0.500	0.140	mg/L		03/24/25 05:40	03/24/25 13:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	<5.00		5.00	5.00	mg/L			03/25/25 15:16	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.00		5.00	5.00	mg/L			03/25/25 15:16	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.00		5.00	5.00	mg/L			03/25/25 15:16	1

Client Sample ID: DUP-01

Lab Sample ID: 180-187983-8

Date Collected: 03/17/25 12:55

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.4**		1.00	0.713	mg/L			03/21/25 03:24	1
Sulfate	**6.05**		1.00	0.756	mg/L			03/21/25 03:24	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**0.942**		0.250	0.0230	mg/L		03/24/25 05:40	03/24/25 13:07	1
Potassium	**0.672**	**J**	1.00	0.0440	mg/L		03/24/25 05:40	03/24/25 13:07	1
Sodium	**11.3**		0.500	0.200	mg/L		03/24/25 05:40	03/24/25 13:07	1
Strontium	**0.0105**		0.00100	0.000190	mg/L		03/24/25 05:40	03/24/25 13:07	1
Calcium	**0.837**		0.500	0.140	mg/L		03/24/25 05:40	03/24/25 13:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	<5.00		5.00	5.00	mg/L			03/27/25 13:13	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.00		5.00	5.00	mg/L			03/27/25 13:13	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.00		5.00	5.00	mg/L			03/27/25 13:13	1

Method: EPA 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 180-492231/42
Matrix: Water
Analysis Batch: 492231

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/20/25 21:47	1
Sulfate	<0.756		1.00	0.756	mg/L			03/20/25 21:47	1

Lab Sample ID: MB 180-492231/77
Matrix: Water
Analysis Batch: 492231

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/21/25 04:58	1
Sulfate	<0.756		1.00	0.756	mg/L			03/21/25 04:58	1

Lab Sample ID: LCS 180-492231/43
Matrix: Water
Analysis Batch: 492231

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	53.88		mg/L		108	80 - 120
Sulfate	50.0	47.44		mg/L		95	80 - 120

Lab Sample ID: LCS 180-492231/78
Matrix: Water
Analysis Batch: 492231

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	54.87		mg/L		110	80 - 120
Sulfate	50.0	48.62		mg/L		97	80 - 120

Lab Sample ID: 180-187983-1 MS
Matrix: Water
Analysis Batch: 492231

Client Sample ID: BAW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	6.32		50.0	59.96		mg/L		107	80 - 120
Sulfate	1.52		50.0	51.41		mg/L		100	80 - 120

Lab Sample ID: 180-187983-1 MSD
Matrix: Water
Analysis Batch: 492231

Client Sample ID: BAW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6.32		50.0	59.83		mg/L		107	80 - 120	0	15
Sulfate	1.52		50.0	51.10		mg/L		99	80 - 120	1	15

Lab Sample ID: MB 180-492705/86
Matrix: Water
Analysis Batch: 492705

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/28/25 03:07	1
Sulfate	<0.756		1.00	0.756	mg/L			03/28/25 03:07	1

Method: EPA 9056A - Anions, Ion Chromatography

Lab Sample ID: LCS 180-492705/89
Matrix: Water
Analysis Batch: 492705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	54.17		mg/L		108	80 - 120
Sulfate	50.0	49.35		mg/L		99	80 - 120

Lab Sample ID: MB 180-492773/46
Matrix: Water
Analysis Batch: 492773

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/28/25 17:53	1
Sulfate	<0.756		1.00	0.756	mg/L			03/28/25 17:53	1

Lab Sample ID: LCS 180-492773/47
Matrix: Water
Analysis Batch: 492773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	54.46		mg/L		109	80 - 120
Sulfate	50.0	49.31		mg/L		99	80 - 120

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-879517/1-A
Matrix: Water
Analysis Batch: 879676

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 879517

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0230		0.250	0.0230	mg/L		03/24/25 05:40	03/25/25 10:04	1
Potassium	<0.0440		1.00	0.0440	mg/L		03/24/25 05:40	03/25/25 10:04	1
Sodium	<0.200		0.500	0.200	mg/L		03/24/25 05:40	03/25/25 10:04	1
Strontium	<0.000190		0.00100	0.000190	mg/L		03/24/25 05:40	03/25/25 10:04	1
Calcium	<0.140		0.500	0.140	mg/L		03/24/25 05:40	03/25/25 10:04	1

Lab Sample ID: LCS 680-879517/2-A
Matrix: Water
Analysis Batch: 879676

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 879517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	5.00	4.652		mg/L		93	80 - 120
Potassium	7.00	7.233		mg/L		103	80 - 120
Sodium	5.00	5.128		mg/L		103	80 - 120
Strontium	0.100	0.09744		mg/L		97	80 - 120
Calcium	5.00	5.302		mg/L		106	80 - 120

Lab Sample ID: MB 680-879518/1-A
Matrix: Water
Analysis Batch: 879626

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 879518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0230		0.250	0.0230	mg/L		03/24/25 05:40	03/24/25 12:55	1
Potassium	<0.0440		1.00	0.0440	mg/L		03/24/25 05:40	03/24/25 12:55	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-879518/1-A
Matrix: Water
Analysis Batch: 879626

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 879518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.200		0.500	0.200	mg/L		03/24/25 05:40	03/24/25 12:55	1
Strontium	<0.000190		0.00100	0.000190	mg/L		03/24/25 05:40	03/24/25 12:55	1
Calcium	<0.140		0.500	0.140	mg/L		03/24/25 05:40	03/24/25 12:55	1

Lab Sample ID: LCS 680-879518/2-A
Matrix: Water
Analysis Batch: 879626

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 879518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	5.00	4.885		mg/L		98	80 - 120
Potassium	7.00	7.705		mg/L		110	80 - 120
Sodium	5.00	5.486		mg/L		110	80 - 120
Strontium	0.100	0.1012		mg/L		101	80 - 120
Calcium	5.00	5.416		mg/L		108	80 - 120

Lab Sample ID: 180-187983-6 MS
Matrix: Water
Analysis Batch: 879626

Client Sample ID: FB-01
Prep Type: Total Recoverable
Prep Batch: 879518

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	<0.0230		5.00	4.834		mg/L		97	75 - 125
Potassium	<0.0440		7.00	7.561		mg/L		108	75 - 125
Sodium	<0.200		5.00	5.423		mg/L		108	75 - 125
Strontium	<0.000190		0.100	0.1010		mg/L		101	75 - 125
Calcium	<0.140		5.00	5.438		mg/L		109	75 - 125

Lab Sample ID: 180-187983-6 MSD
Matrix: Water
Analysis Batch: 879626

Client Sample ID: FB-01
Prep Type: Total Recoverable
Prep Batch: 879518

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Magnesium	<0.0230		5.00	4.927		mg/L		99	75 - 125	2	20
Potassium	<0.0440		7.00	7.722		mg/L		110	75 - 125	2	20
Sodium	<0.200		5.00	5.468		mg/L		109	75 - 125	1	20
Strontium	<0.000190		0.100	0.1023		mg/L		102	75 - 125	1	20
Calcium	<0.140		5.00	5.438		mg/L		109	75 - 125	0	20

Method: SM2320 B - Alkalinity, Total

Lab Sample ID: MB 180-492553/32
Matrix: Water
Analysis Batch: 492553

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.00		5.00	5.00	mg/L			03/25/25 13:38	1
Bicarbonate Alkalinity as CaCO3	<5.00		5.00	5.00	mg/L			03/25/25 13:38	1
Carbonate Alkalinity as CaCO3	<5.00		5.00	5.00	mg/L			03/25/25 13:38	1

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: MB 180-492553/5
Matrix: Water
Analysis Batch: 492553

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.00		5.00	5.00	mg/L			03/25/25 10:43	1
Bicarbonate Alkalinity as CaCO3	<5.00		5.00	5.00	mg/L			03/25/25 10:43	1
Carbonate Alkalinity as CaCO3	<5.00		5.00	5.00	mg/L			03/25/25 10:43	1

Lab Sample ID: LCS 180-492553/31
Matrix: Water
Analysis Batch: 492553

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	251	233.1		mg/L		93	90 - 110

Lab Sample ID: LLCS 180-492553/29
Matrix: Water
Analysis Batch: 492553

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	15.1	17.29		mg/L		115	75 - 125

Lab Sample ID: MB 180-492749/3
Matrix: Water
Analysis Batch: 492749

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.00		5.00	5.00	mg/L			03/27/25 12:49	1
Bicarbonate Alkalinity as CaCO3	<5.00		5.00	5.00	mg/L			03/27/25 12:49	1
Carbonate Alkalinity as CaCO3	<5.00		5.00	5.00	mg/L			03/27/25 12:49	1

Lab Sample ID: LCS 180-492749/1
Matrix: Water
Analysis Batch: 492749

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	251	252.1		mg/L		100	90 - 110

Lab Sample ID: LLCS 180-492749/2
Matrix: Water
Analysis Batch: 492749

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	15.1	16.37		mg/L		109	75 - 125

QC Association Summary

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B Gen Chem

Job ID: 180-187983-3

HPLC/IC

Analysis Batch: 492231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total/NA	Water	EPA 9056A	
180-187983-2	BAW-2A	Total/NA	Water	EPA 9056A	
180-187983-3	BAW-3	Total/NA	Water	EPA 9056A	
180-187983-8	DUP-01	Total/NA	Water	EPA 9056A	
MB 180-492231/42	Method Blank	Total/NA	Water	EPA 9056A	
MB 180-492231/77	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-492231/43	Lab Control Sample	Total/NA	Water	EPA 9056A	
LCS 180-492231/78	Lab Control Sample	Total/NA	Water	EPA 9056A	
180-187983-1 MS	BAW-1	Total/NA	Water	EPA 9056A	
180-187983-1 MSD	BAW-1	Total/NA	Water	EPA 9056A	

Analysis Batch: 492705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-6	FB-01	Total/NA	Water	EPA 9056A	
MB 180-492705/86	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-492705/89	Lab Control Sample	Total/NA	Water	EPA 9056A	

Analysis Batch: 492773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-7	EB-01	Total/NA	Water	EPA 9056A	
MB 180-492773/46	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-492773/47	Lab Control Sample	Total/NA	Water	EPA 9056A	

Metals

Prep Batch: 879517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total Recoverable	Water	3005A	
180-187983-2	BAW-2A	Total Recoverable	Water	3005A	
180-187983-3	BAW-3	Total Recoverable	Water	3005A	
MB 680-879517/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-879517/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 879518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-6	FB-01	Total Recoverable	Water	3005A	
180-187983-7	EB-01	Total Recoverable	Water	3005A	
180-187983-8	DUP-01	Total Recoverable	Water	3005A	
MB 680-879518/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-879518/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-187983-6 MS	FB-01	Total Recoverable	Water	3005A	
180-187983-6 MSD	FB-01	Total Recoverable	Water	3005A	

Analysis Batch: 879626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-6	FB-01	Total Recoverable	Water	6020B	879518
180-187983-7	EB-01	Total Recoverable	Water	6020B	879518
180-187983-8	DUP-01	Total Recoverable	Water	6020B	879518
MB 680-879518/1-A	Method Blank	Total Recoverable	Water	6020B	879518
LCS 680-879518/2-A	Lab Control Sample	Total Recoverable	Water	6020B	879518
180-187983-6 MS	FB-01	Total Recoverable	Water	6020B	879518

Metals (Continued)

Analysis Batch: 879626 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-6 MSD	FB-01	Total Recoverable	Water	6020B	879518

Analysis Batch: 879676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total Recoverable	Water	6020B	879517
180-187983-2	BAW-2A	Total Recoverable	Water	6020B	879517
180-187983-3	BAW-3	Total Recoverable	Water	6020B	879517
MB 680-879517/1-A	Method Blank	Total Recoverable	Water	6020B	879517
LCS 680-879517/2-A	Lab Control Sample	Total Recoverable	Water	6020B	879517

General Chemistry

Analysis Batch: 492553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total/NA	Water	SM2320 B	
180-187983-2	BAW-2A	Total/NA	Water	SM2320 B	
180-187983-3	BAW-3	Total/NA	Water	SM2320 B	
180-187983-6	FB-01	Total/NA	Water	SM2320 B	
180-187983-7	EB-01	Total/NA	Water	SM2320 B	
MB 180-492553/32	Method Blank	Total/NA	Water	SM2320 B	
MB 180-492553/5	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-492553/31	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-492553/29	Lab Control Sample	Total/NA	Water	SM2320 B	

Analysis Batch: 492749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-8	DUP-01	Total/NA	Water	SM2320 B	
MB 180-492749/3	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-492749/1	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-492749/2	Lab Control Sample	Total/NA	Water	SM2320 B	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Heydendorfer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Daniel Ash Pond B CCR	Project #: 18020047			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B Custom 14 (App III and IV)	7470 Mercury	90656 Chloride Fluoride Sulfate	Total Dissolved Solids	Ra 226 Ra 228 and Combined	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BAW-1	3-17-25	1234	G	water	No		X	X	X	X	X	7	
BAW-2A	3-17-25	1355	G	water	No		X	X	X	X	X	7	
BAW-3	3-18-25	1011	G	water	No		X	X	X	X	X	7	
BAW-4	3 17-25	1638	G	water	No		X	X	X	X	X	7	
BAW-5	3-18-25	1129	G	water	No		X	X	X	X	X	7	
~~BAW-7~~ Rolled 3-18-25													
FB- 01	3-18-25	0847	G	water	No		X	X	X	X	X	7	
EB- 01	3-18-25	0901	G	water	No		X	X	X	X	X	7	
DUP- 01	3-17-25	1255	G	water	No		X	X	X	X	X	7	

180-187983 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	[signature]	3-18-25 1627	SCS ENV.	[signature]	3/19/25 0930	EUFANS
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.. | Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hagendorfer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:

Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Birmingham	TAT Requested (days):		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: Alabama			
Phone: 205 992 6283	PO #:		Other:
Email: SCS Contacts	WO #:		
Project Name: Daniel Ash Pond B General Chemistry	Project #: 18020047		
Site	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B Metals (Ca, K, Mg, Na, St)	9056A Chloride & Sulfate	Alkalinity, Total Bicarb, Carb	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
BAW-1	3-17-25	1234	G	water	No		X	X	X	2	
BAW-2A	3-17-25	1355	G	water	No		X	X	X	2	
BAW-3	3-18-25	1011	G	water	No		X	X	X	2	
FB-01	3-18-25	0847	G	water	No		X	X	X	2	
EB-01	3-18-25	0901	G	water	No		X	X	X	2	
DUP-01	3-17-25	1255	G	water	No		X	X	X	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time: 3-18-25 1452	Company: RSH EM	Received by:	Date/Time: 3/19/25 0930	Company: EHNB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Do Not [illegible] this Tag

Do N

180-187983 Waybill

:BIXA (999) 999-9999
CA PITTSBURGH LAB
DR
, PA 15238
ATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE
DIMS: 26x15x14 IN

BILL THIRD

IFINS

LPHA DR
PARK
SBURGH PA 15238
7058 REF:
DEPT:

198-7028FL

ETP: 28
1002826022710001523800286
SP:XX:100:

PRIORITY OV

corrected temp 1.7 °C
rmometer ID 25
-0.6 Initials

-SR-001 effective 7/26/13

4 of 12
65 8335 1206
865 8335 1170 0201
AGCA
PA-

WED - 19 MAI
PRIORITY OVI

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

198-7028FL

ETP: 28
1002826022710001523800286
SP:XX:100:

PRIORITY OVERNIGHT

4150 WED 03/19 07:24
301 ALPHA DR
PITTSBURGH PA
15238-2907 PA
230052
G

Uncorrected temp 2.4 °C
Thermometer ID 25
CF -0.6 Initials

PT-WI-SR-001 effective 7/26/13

FedEx Express

J2510241217011

2 of 12
MPS# 0263 2865 8335 1180
Mstr# 2865 8335 1170 0201
XS AGCA
PA-US

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT
15238
PIT

Part # 165297-488-ARMS 0525 EXP 10/25

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 3.4 °C
Thermometer ID 25
CF -0.6 Initials

PT-WI-SR-001 effective 7/26/13

FedEx Express

J2510241217011

7 of 12
MPS# 0263 2865 8335 1239
Mstr# 2865 8335 1170 0201
XS AGCA
PA-US

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT
15238
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Part # 165297-488-ARMS 0525 EXP 10/25

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301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

412) 963-7058 REF:
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Uncorrected temp 3.8 °C
Thermometer ID 25
CF -0.6 Initials

PT-WI-SR-001 effective 7/26/13

3 of 12

PS# 263 2865 8335 1191

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3/21/2025

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18
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BILL THIRD PA

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 4.3 °C
Thermometer ID 25
CF -0.6 Initials

PT-WI-SR-001 effective 7/26/13

6 of 12

MPS# 0263 2865 8335 1228

Mstr# 2865 8335 1170

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ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN

BILL THIRD PARTY

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 3.6 °C
Thermometer ID 25
CF -0.6 Initials

PT-WI-SR-001 effective 7/26/13

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12 of 12

MPS# 0263 2865 8335 1283

Mstr# 2865 8335 1170

0201

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT

Part # 1 of 1 ... 5/26

Using This Tag

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 3.1 °C
Thermometer ID 25
CF -0.6 Initials
PT-WI-SR-001 effective 7/26/13

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8 of 12
MPS# 0263 2865 8335 1240
Mstr# 2865 8335 1170 0201

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PRIORITY OVERNIGHT

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PA-US PIT

Part # 156297-xxx-xxxxxx-xxxxxx SKP 10/25

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ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 2.2 °C
Thermometer ID 25
CF -0.6 Initials
PT-WI-SR-001 effective 7/26/13

FedEx Express

J25102412170luv

10 of 12
MPS# 0263 2865 8335 1261
Mstr# 2865 8335 1170 0201

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT

XS AGCA

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PA-US PIT

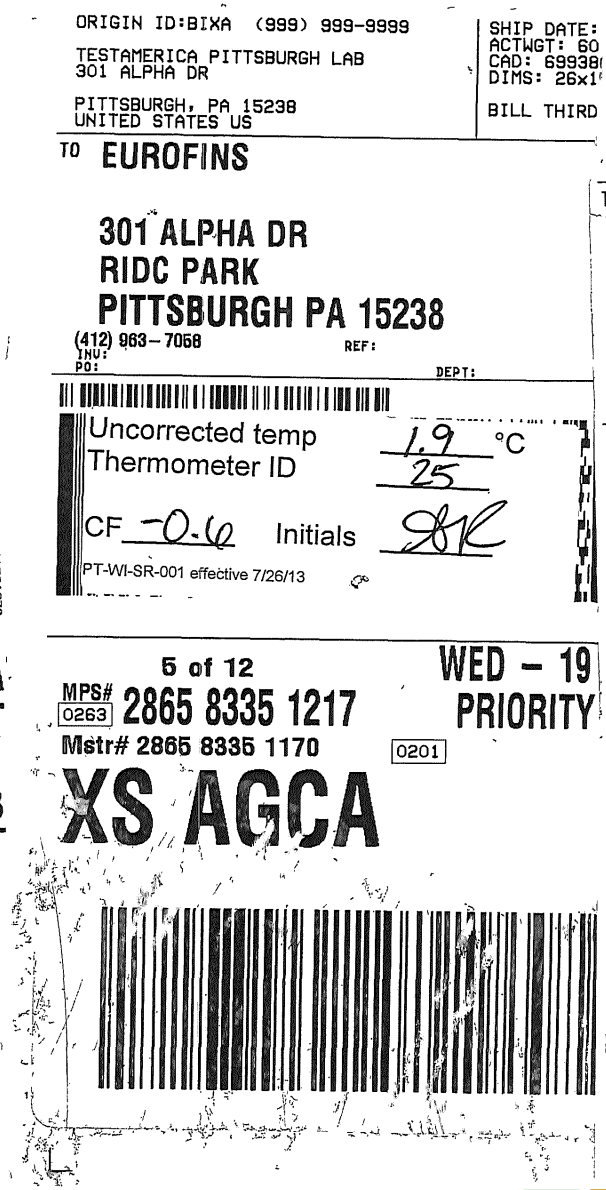
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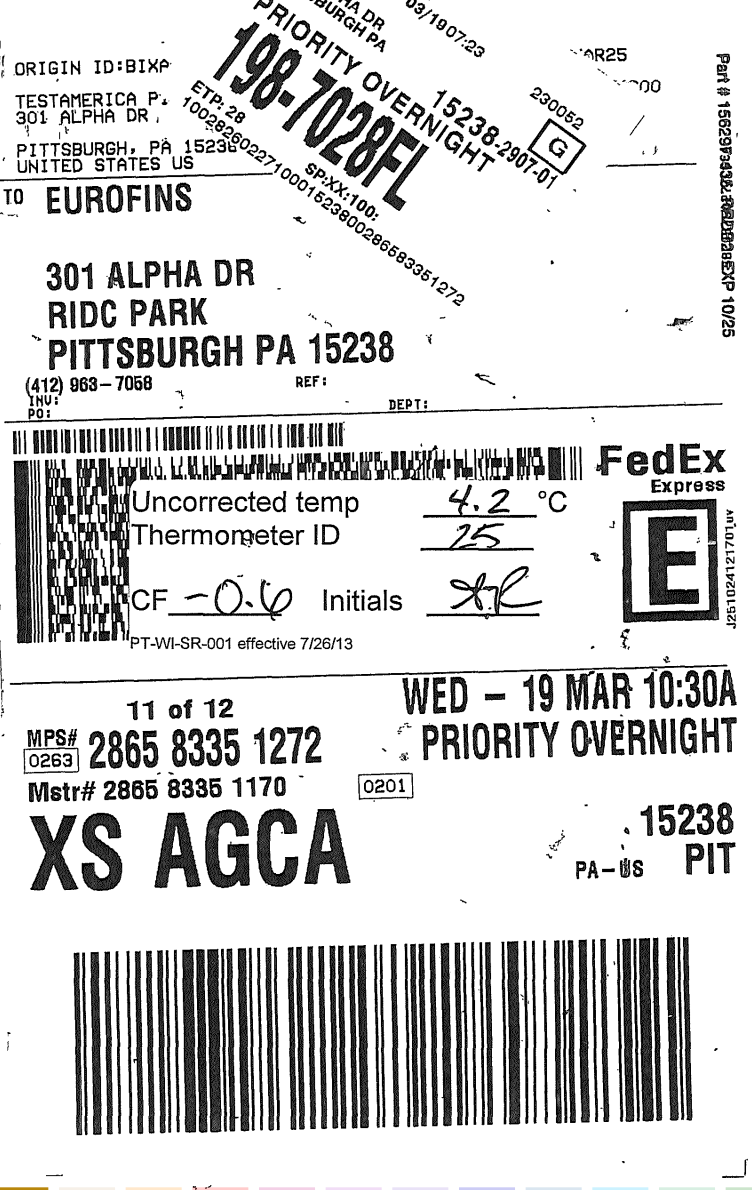
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PT-WI-SR-001 effective 7/26/13
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ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE:
ACTWGT: 60
CAD: 69938
DIMS: 26x1
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TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7068
INV:
PO:
REF:
DEPT:
Uncorrected temp 1.9 °C
Thermometer ID 25
CF -0.6 Initials
PT-WI-SR-001 effective 7/26/13
5 of 12
MPS# 0263 2865 8335 1217
Mstr# 2865 8335 1170
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301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
4150
WED 03/19
301 ALPHA DR
PITTSBURGH PA
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Part # 156297943
EXP 10/25
TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7068
INV:
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REF:
DEPT:
FedEx Express
Uncorrected temp 4.2 °C
Thermometer ID 25
CF -0.6 Initials
PT-WI-SR-001 effective 7/26/13
J251024121701av
11 of 12
MPS# 0263 2865 8335 1272
Mstr# 2865 8335 1170
0201
WED - 19 MAR 10:30A
PRIORITY OVERNIGHT
XS AGCA
15238
PA-US
PIT

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-535113.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Mississippi	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): N/A		Job #: 180-187983-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 4/1/2025			
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Daniel Ash Pond B	Project #: 18020047			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A (MOD) Custom 14 (AppIII + App IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/3005A Custom 14 (AppIII + App IV)	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
BAW-1 (180-187983-1)	3/17/25	12:34 Central	G	Water			X	X		2	
BAW-2A (180-187983-2)	3/17/25	13:55 Central	G	Water			X	X		2	
BAW-3 (180-187983-3)	3/18/25	10:11 Central	G	Water			X	X		2	
BAW-4 (180-187983-4)	3/17/25	16:38 Central	G	Water				X	X	2	
BAW-5 (180-187983-5)	3/18/25	11:29 Central	G	Water				X	X	2	
FB-01 (180-187983-6)	3/18/25	08:47 Central	G	Water			X	X		2	
EB-01 (180-187983-7)	3/18/25	09:01 Central	G	Water			X	X		2	
DUP-01 (180-187983-8)	3/17/25	12:55 Central	G	Water			X	X		2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification Unconfirmed	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/20/25 1700	Eurofins			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	3/21/25 1050	Eurofins

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 10.1/10.1

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-187983-3

Login Number: 187983
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-187983-3

Login Number: 187983
List Number: 3
Creator: Munro, Caroline

List Source: Eurofins Savannah
List Creation: 03/21/25 07:33 PM

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Low-Flow Test Report:

Test Date / Time: 3/17/2025 12:11:30 PM
Project: Daniel CCR BAW-1
Operator Name: Rick Hagendorfer

Location Name: Daniel CCR BAW-1 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 55.6 ft** **Total Depth: 60.6 ft** **Initial Depth to Water: 24.45 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 58.1 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1205621**

Test Notes:

Weather Conditions:
Sunny 65

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/17/2025 12:11 PM	00:00	5.62 pH	21.71 °C	39.98 µS/cm	6.20 mg/L		145.6 mV	24.45 ft	400.00 ml/min
3/17/2025 12:16 PM	05:00	4.97 pH	22.79 °C	38.72 µS/cm	4.24 mg/L	0.33 NTU	108.3 mV	24.45 ft	400.00 ml/min
3/17/2025 12:21 PM	10:00	4.98 pH	22.79 °C	39.59 µS/cm	4.21 mg/L	0.54 NTU	97.1 mV	24.45 ft	400.00 ml/min
3/17/2025 12:26 PM	15:00	5.01 pH	22.84 °C	38.53 µS/cm	4.25 mg/L	0.34 NTU	93.6 mV	24.45 ft	400.00 ml/min
3/17/2025 12:31 PM	20:00	5.04 pH	22.89 °C	38.11 µS/cm	4.24 mg/L	0.25 NTU	91.2 mV	24.45 ft	400.00 ml/min

Samples

Sample ID:	Description:
BAW-1	Sample time 1234

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/17/2025 1:18:21 PM
Project: Daniel CCR BAW-2A
Operator Name: Rick Hagendorfer

Location Name: Daniel CCR BAW-2A **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 57.2 ft** **Total Depth: 67.2 ft** **Initial Depth to Water: 33.79 ft**	**Pump Type: BP** **Tubing Type: Pe** **Pump Intake From TOC: 62.2 ft** **Estimated Total Volume Pumped: 14000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1205621**

Test Notes:

Weather Conditions:
Sunny 67

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/17/2025 1:18 PM	00:00	5.20 pH	22.25 °C	66.31 µS/cm	8.31 mg/L		133.7 mV	33.79 ft	400.00 ml/min
3/17/2025 1:23 PM	05:00	4.90 pH	23.14 °C	74.71 µS/cm	1.96 mg/L	0.92 NTU	88.7 mV	33.79 ft	400.00 ml/min
3/17/2025 1:28 PM	10:00	4.88 pH	23.05 °C	74.37 µS/cm	1.78 mg/L	1.03 NTU	78.8 mV	33.79 ft	400.00 ml/min
3/17/2025 1:33 PM	15:00	4.88 pH	23.00 °C	73.33 µS/cm	1.98 mg/L	0.98 NTU	77.8 mV	33.79 ft	400.00 ml/min
3/17/2025 1:38 PM	20:00	4.88 pH	23.08 °C	72.55 µS/cm	2.14 mg/L	0.84 NTU	77.4 mV	33.79 ft	400.00 ml/min
3/17/2025 1:43 PM	25:00	4.90 pH	23.00 °C	71.20 µS/cm	2.24 mg/L	0.71 NTU	76.5 mV	33.79 ft	400.00 ml/min
3/17/2025 1:48 PM	30:00	4.91 pH	22.95 °C	70.01 µS/cm	2.29 mg/L	0.57 NTU	75.7 mV	33.79 ft	400.00 ml/min
3/17/2025 1:53 PM	35:00	4.91 pH	22.97 °C	68.63 µS/cm	2.32 mg/L	0.57 NTU	74.9 mV	33.79 ft	400.00 ml/min

Samples

Sample ID:	Description:
BAW-2A	Sample time 1355
Dup-01	Fake sample time 1255

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/17/2025 1:52:20 PM
Project: Daniel GSA CCR MW-3
Operator Name: Keith Krisman

Location Name: Daniel GSA CCR MW-3 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 44.3 ft** **Total Depth: 54.3 ft** **Initial Depth to Water: 23.5 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 49.3 ft** **Estimated Total Volume Pumped: 14000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.08 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Daniel GSA CCR and State samples taken after stabilization.

Weather Conditions:
Sunny 67 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/17/2025 1:52 PM	00:00	4.40 pH	20.40 °C	222.78 µS/cm	5.54 mg/L		167.0 mV	23.50 ft	400.00 ml/min
3/17/2025 1:57 PM	05:00	4.40 pH	22.20 °C	313.63 µS/cm	3.58 mg/L	2.77 NTU	144.5 mV	23.55 ft	400.00 ml/min
3/17/2025 2:02 PM	10:00	4.43 pH	22.26 °C	343.16 µS/cm	3.39 mg/L	1.79 NTU	194.1 mV	23.58 ft	400.00 ml/min
3/17/2025 2:07 PM	15:00	4.47 pH	22.34 °C	341.66 µS/cm	3.37 mg/L	1.33 NTU	190.2 mV	23.58 ft	400.00 ml/min
3/17/2025 2:12 PM	20:00	4.49 pH	22.31 °C	345.44 µS/cm	3.39 mg/L	0.95 NTU	131.7 mV	23.58 ft	400.00 ml/min
3/17/2025 2:17 PM	25:00	4.50 pH	22.40 °C	334.56 µS/cm	3.36 mg/L	0.65 NTU	129.3 mV	23.58 ft	400.00 ml/min
3/17/2025 2:22 PM	30:00	4.51 pH	22.36 °C	334.67 µS/cm	3.38 mg/L	0.54 NTU	127.4 mV	23.58 ft	400.00 ml/min
3/17/2025 2:27 PM	35:00	4.52 pH	22.35 °C	327.56 µS/cm	3.36 mg/L	0.40 NTU	126.0 mV	23.58 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-3	Sample time= 1428
DUP-01	Fake sample time= 1328

EB-01	Sample time= 1500
FB-01	Sample time= 1510

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ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-91067-1
Laboratory Sample Delivery Group: 1
Client Project/Site: CCR - Plant Daniel

For:
Southern Company
PO BOX 2641 GSC8
Birmingham, Alabama 35291

Attn: Ms. Lauren Petty

Veronica Bortot

Authorized for release by:
6/17/2019 9:59:14 AM

Veronica Bortot, Senior Project Manager
(412)963-2435
veronica.bortot@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions/Glossary 4
Certification Summary 5
Sample Summary 6
Method Summary 7
Lab Chronicle 8
Client Sample Results 9
QC Sample Results 10
QC Association Summary 12
Chain of Custody 13
Receipt Checklists 14

Job ID: 180-91067-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-91067-1

Comments
No additional comments.

Receipt
The sample was received on 6/7/2019 3:45 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1º C.

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

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

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

Definitions/Glossary

Client: Southern Company
Project/Site: CCR - Plant Daniel

Job ID: 180-91067-1
SDG: 1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Accreditation/Certification Summary

Client: Southern Company
Project/Site: CCR - Plant Daniel

Job ID: 180-91067-1
SDG: 1

Laboratory: Eurofins TestAmerica, Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-19
California	State Program	9	2891	04-30-20
Connecticut	State Program	1	PH-0688	09-30-20
Florida	NELAP	4	E871008	06-30-19
Illinois	NELAP	5	200005	06-30-19
Kansas	NELAP	7	E-10350	01-31-20
Kentucky (DW)	Kentucky UST	4	162013	04-30-20
Louisiana	NELAP	6	04041	06-30-19
Nevada	State Program	9	PA00164	07-31-19
New Hampshire	NELAP	1	2030	04-04-20
New Jersey	NELAP	2	PA005	06-30-19
New York	NELAP	2	11182	03-31-20
North Carolina (WW/SW)	State Program	4	434	12-31-19
Oregon	NELAP	10	PA-2151	02-06-20
Pennsylvania	NELAP	3	02-00416	04-30-20
South Carolina	State Program	4	89014	04-30-20
Texas	NELAP	6	T104704528-15-2	03-31-20
US Fish & Wildlife	Federal		LE94312A-1	07-31-19
USDA	Federal		P330-16-00211	06-26-19
Utah	NELAP	8	PA001462015-4	05-31-19 *
Virginia	NELAP	3	460189	09-14-19
West Virginia DEP	State Program	3	142	01-31-20
Wisconsin	State Program	5	998027800	08-31-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Southern Company
Project/Site: CCR - Plant Daniel

Job ID: 180-91067-1
SDG: 1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-91067-1	PZ-1	Water	06/06/19 08:40	06/07/19 15:45	

Method Summary

Client: Southern Company
Project/Site: CCR - Plant Daniel

Job ID: 180-91067-1
SDG: 1

Method	Method Description	Protocol	Laboratory
EPA 9056A	Anions, Ion Chromatography	SW846	TAL PIT
EPA 6020	Metals (ICP/MS)	SW846	TAL PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PIT
SM2320 B	Alkalinity, Total	SM18	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Daniel

Job ID: 180-91067-1
SDG: 1

Client Sample ID: PZ-1
Date Collected: 06/06/19 08:40
Date Received: 06/07/19 15:45

Lab Sample ID: 180-91067-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1			281171	06/10/19 13:49	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	281262	06/10/19 12:53	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			281393	06/11/19 12:32	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	281415	06/11/19 15:26	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			281622	06/12/19 00:33	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Laboratory References:

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

Batch Type: Prep

NAM = Nicole Marfisi

Batch Type: Analysis

AVS = Abbey Smith

MJH = Matthew Hartman

RSK = Robert Kurtz

Client Sample Results

Client: Southern Company
Project/Site: CCR - Plant Daniel

Job ID: 180-91067-1
SDG: 1

Client Sample ID: PZ-1

Date Collected: 06/06/19 08:40
Date Received: 06/07/19 15:45

Lab Sample ID: 180-91067-1

Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.9		1.00	0.715	mg/L			06/10/19 13:49	1
Sulfate	130		1.00	0.380	mg/L			06/10/19 13:49	1

Method: EPA 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	2.31	B	0.0800	0.0303	mg/L		06/10/19 12:53	06/11/19 12:32	1
Calcium	48.1	B	0.500	0.116	mg/L		06/10/19 12:53	06/11/19 12:32	1
Potassium	2.36		0.500	0.147	mg/L		06/10/19 12:53	06/11/19 12:32	1
Magnesium	0.477	J	0.500	0.0827	mg/L		06/10/19 12:53	06/11/19 12:32	1
Sodium	59.9		0.500	0.251	mg/L		06/10/19 12:53	06/11/19 12:32	1
Lithium	0.00814		0.00500	0.00314	mg/L		06/10/19 12:53	06/11/19 12:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	311		10.0	10.0	mg/L			06/11/19 15:26	1
Total Alkalinity as CaCO3 to pH 4.5	81.2		5.00	5.00	mg/L			06/12/19 00:33	1
Bicarbonate Alkalinity as CaCO3	<5.00		5.00	5.00	mg/L			06/12/19 00:33	1
Carbonate Alkalinity as CaCO3	74.7		5.00	5.00	mg/L			06/12/19 00:33	1
Phenolphthalein Alkalinity	43.8		5.00	5.00	mg/L			06/12/19 00:33	1

Method: EPA 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 180-281171/6
Matrix: Water
Analysis Batch: 281171

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.715		1.00	0.715	mg/L			06/10/19 06:26	1
Sulfate	<0.380		1.00	0.380	mg/L			06/10/19 06:26	1

Lab Sample ID: LCS 180-281171/5
Matrix: Water
Analysis Batch: 281171

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	25.50		mg/L		102	80 - 120
Sulfate	25.0	25.59		mg/L		102	80 - 120

Method: EPA 6020 - Metals (ICP/MS)

Lab Sample ID: MB 180-281262/1-A
Matrix: Water
Analysis Batch: 281393

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 281262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.04770	J	0.0800	0.0303	mg/L		06/10/19 12:53	06/11/19 10:40	1
Calcium	0.1367	J	0.500	0.116	mg/L		06/10/19 12:53	06/11/19 10:40	1
Potassium	<0.147		0.500	0.147	mg/L		06/10/19 12:53	06/11/19 10:40	1
Magnesium	<0.0827		0.500	0.0827	mg/L		06/10/19 12:53	06/11/19 10:40	1
Sodium	<0.251		0.500	0.251	mg/L		06/10/19 12:53	06/11/19 10:40	1
Lithium	<0.00314		0.00500	0.00314	mg/L		06/10/19 12:53	06/11/19 10:40	1

Lab Sample ID: LCS 180-281262/2-A
Matrix: Water
Analysis Batch: 281393

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 281262

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.25	1.275		mg/L		102	80 - 120
Calcium	25.0	25.02		mg/L		100	80 - 120
Potassium	25.0	24.03		mg/L		96	80 - 120
Magnesium	25.0	24.22		mg/L		97	80 - 120
Sodium	25.0	24.89		mg/L		100	80 - 120
Lithium	0.500	0.4680		mg/L		94	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 180-281415/2
Matrix: Water
Analysis Batch: 281415

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			06/11/19 15:26	1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 180-281415/1
Matrix: Water
Analysis Batch: 281415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	201	178.0		mg/L		89	80 - 120

Lab Sample ID: 180-91067-1 DU
Matrix: Water
Analysis Batch: 281415

Client Sample ID: PZ-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	311		308.0		mg/L		1	10

Method: SM2320 B - Alkalinity, Total

Lab Sample ID: MB 180-281622/141
Matrix: Water
Analysis Batch: 281622

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.00		5.00	5.00	mg/L			06/12/19 05:20	1
Bicarbonate Alkalinity as CaCO3	<5.00		5.00	5.00	mg/L			06/12/19 05:20	1
Carbonate Alkalinity as CaCO3	<5.00		5.00	5.00	mg/L			06/12/19 05:20	1
Phenolphthalein Alkalinity	<5.00		5.00	5.00	mg/L			06/12/19 05:20	1

Lab Sample ID: MB 180-281622/85
Matrix: Water
Analysis Batch: 281622

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.00		5.00	5.00	mg/L			06/11/19 23:59	1
Bicarbonate Alkalinity as CaCO3	<5.00		5.00	5.00	mg/L			06/11/19 23:59	1
Carbonate Alkalinity as CaCO3	<5.00		5.00	5.00	mg/L			06/11/19 23:59	1
Phenolphthalein Alkalinity	<5.00		5.00	5.00	mg/L			06/11/19 23:59	1

Lab Sample ID: LCS 180-281622/140
Matrix: Water
Analysis Batch: 281622

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	250	251.2		mg/L		100	90 - 110

Lab Sample ID: LCS 180-281622/84
Matrix: Water
Analysis Batch: 281622

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	250	244.7		mg/L		98	90 - 110

QC Association Summary

Client: Southern Company
Project/Site: CCR - Plant Daniel

Job ID: 180-91067-1
SDG: 1

HPLC/IC

Analysis Batch: 281171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91067-1	PZ-1	Total/NA	Water	EPA 9056A	
MB 180-281171/6	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-281171/5	Lab Control Sample	Total/NA	Water	EPA 9056A	

Metals

Prep Batch: 281262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91067-1	PZ-1	Total Recoverable	Water	3005A	
MB 180-281262/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-281262/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 281393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91067-1	PZ-1	Total Recoverable	Water	EPA 6020	281262
MB 180-281262/1-A	Method Blank	Total Recoverable	Water	EPA 6020	281262
LCS 180-281262/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020	281262

General Chemistry

Analysis Batch: 281415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91067-1	PZ-1	Total/NA	Water	SM 2540C	
MB 180-281415/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-281415/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-91067-1 DU	PZ-1	Total/NA	Water	SM 2540C	

Analysis Batch: 281622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91067-1	PZ-1	Total/NA	Water	SM2320 B	
MB 180-281622/141	Method Blank	Total/NA	Water	SM2320 B	
MB 180-281622/85	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-281622/140	Lab Control Sample	Total/NA	Water	SM2320 B	
LCS 180-281622/84	Lab Control Sample	Total/NA	Water	SM2320 B	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Philip Evans	Lab PM: Bortot, Veronica	Carrier Tracking No(s):	COC No: 180-52125-10911.1
Client Contact: Rick Hagendorfer	Phone: 850-336-0192	E-Mail: veronica.bortot@testamericainc.com		Page: Page 1 of 1
Company: RDH Environmental Services Inc				Job #:

Address: 5720 Dove Drive	Due Date Requested:	
City: Pace	TAT Requested (days): 2 day Rush	
State, Zip: FL, 32571		
Phone: 205-992-5417(Tel)	PO #: Purchase Order Requested	
Email: rickhagendorfer@gmail.com	WO #:	
Project Name: CCR - Plant Daniel	Project #: 18020047	
Site:	SSOW#:	

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2320B, 9056A_ORGFM_28D, SM4500_H+	6020 - B,Ca,,Li,K, Mg, Na	2540C_Calcd - TDS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D	N		
PZ-1	6/6/19	0840	G	Water			X	X	X		
				Water							
				Water							
				Water							
				Water							
				Water							

180-91067 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	6/6/19 1500	RDH		6/7/19 1545	TA PGH
Relinquished by:					
Relinquished by:					

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
Δ Yes Δ No		2.1°C CF:0.0 Therm ID: CF:0

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-91067-1
SDG Number: 1

Login Number: 91067
List Number: 1
Creator: Say, Thomas C

List Source: Eurofins TestAmerica, Pittsburgh

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

Product Name: Low-Flow System

Date: 2019-06-06 08:39:05

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	PP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Plant Daniel BAW wells	Tubing Diameter	.17 in
Site Name	Daniel	Tubing Length	20 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	12.85 ft

Well Information:		Pumping Information:	
Well ID	PZ-1	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.1792685 L
Well Total Depth	15.35 ft	Calculated Sample Rate	300 sec
Screen Length	5 ft	Stabilization Drawdown	0.24 in
Depth to Water	9.60 ft	Total Volume Pumped	10 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	08:17:09	300.08	33.56	10.25	472.83	0.30	9.62	0.13	74.08
Last 5	08:22:09	600.08	33.80	10.26	473.61	0.30	9.62	0.10	69.28
Last 5	08:27:09	900.07	33.97	10.27	474.47	0.36	9.62	0.08	65.42
Last 5	08:32:09	1200.06	34.00	10.28	475.03	0.31	9.62	0.07	62.53
Last 5	08:37:09	1500.07	34.07	10.28	475.73	0.34	9.62	0.07	60.05
Variance 0			0.18	0.01	0.87			-0.02	-3.86
Variance 1			0.03	0.00	0.56			-0.01	-2.90
Variance 2			0.07	0.00	0.70			-0.00	-2.48

Notes

Sample time @ 0840. Cloudy 80.

Grab Samples

Southern Company

APPENDIX B

BAW-3 Boring and Well Construction Logs

SOUTHERN COMPANY

LOG OF TEST BORING

BORING BAW-3
PAGE 1 OF 4
ECS41483, ECS41484, ECS41485

SOUTHERN COMPANY SERVICES, INC.
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Daniel CCR Drilling Logs
LOCATION Moss Point, MS

DATE STARTED 6/25/2015 **COMPLETED** 7/23/2015 **SURF. ELEV.** 38.8 **COORDINATES:** N:377,407.00 E:1,071,552.15
CONTRACTOR Cascade Drilling **EQUIPMENT** **METHOD** Hydroexcavation; Sonic
DRILLED BY T. Ardito **LOGGED BY** B. Smelser **CHECKED BY** B. Coates **ANGLE** **BEARING**
BORING DEPTH 107 ft. **GROUND WATER DEPTH: DURING** 27 ft. **COMP.** 30.5 ft. **DELAYED** 32.31 ft. after 100 hrs.
NOTES Well installed. Refer to well data sheet.

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	ELEVATION	HCL REACTION (Weak / Moderate / Strong)	COMMENTS	Natural Gamma (55 – 110 – 165)
5		**Utility Clearance (HYDROEXCAVATION)**			Hydrovac 0-10' for utilities clearance	
10		**Silty Clay (CL-ML)** - mottled strong brown (7.5YR 5/8), reddish yellow (7.5YR 6/6) and light gray (7.5YR 7/1) fill moist, medium stiff to soft, medium plastic, sticky/cohesive, very fine				
15						
20		**Fat Clay (CH)** - mottled strong brown (7.5YR 4/6), red (2.5YR 4/6) and gray (7.5YR 5/1) fill moist, medium stiff, high plastic, very fine, abundant organics/large wood fragments, some interbedded lenses of dark gray to dark brown clayey silt				
25		- mottled gray (7.5YR 6/1), reddish yellow (7.5YR 6/8) and yellowish red (5YR 5/8) fill moist, medium stiff to stiff, high plastic, very fine, trace silt				

(Continued Next Page)

GEOLOGY LOG COLOR GAMMA - ESEE DATABASE.GDT - 8/4/15 23:37 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\PLANT DANIEL CCR DRILLING LOGS.GPJ

SOUTHERN COMPANY

LOG OF TEST BORING

BORING BAW-3
PAGE 2 OF 4
ECS41483, ECS41484, ECS41485

SOUTHERN COMPANY SERVICES, INC.
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Daniel CCR Drilling Logs
LOCATION Moss Point, MS

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	ELEVATION	HCL REACTION (Weak / Moderate / Strong)	COMMENTS	Natural Gamma (55 / 110 / 165)
30		**Fat Clay (CH)** *(Con't)* - mottled gray (7.5YR 6/1) and reddish yellow (7.5YR 6/8) residuum wet, medium stiff, high plastic, very fine, trace sand and silt				
35						
40		**Sandy Silt (ML)** - trace mottling gray (7.5YR 6/1) and pink (7.5YR 7/4) residuum wet, medium stiff, non plastic, very fine				
45		**Sandy Lean Clay (CL)** - gray (7.5YR 6/1) residuum wet, stiff, low to medium plastic, very fine to fine, some interbedded zones of SM silty sand				
50		**Silty Sand (SM)** - light gray (7.5YR 7/1) residuum wet, loose, non plastic, very fine to fine, trace medium sand, subangular to subrounded grains				
55		**Poorly-graded Sand with Silt (SP-SM)** - pink (7.5YR 7/4) and white (7.5YR 8/1) residuum wet, loose, non plastic, fine to medium, subangular to subrounded grains, trace subrounded to rounded/coarse to fine gravel				

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GEOLOGY LOG COLOR GAMMA - ESEE DATABASE.GDT - 8/4/15 23:37 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\PLANT DANIEL CCR DRILLING LOGS.GPJ

LOG OF TEST BORING

SOUTHERN COMPANY SERVICES, INC.
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Daniel CCR Drilling Logs
LOCATION Moss Point, MS

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	ELEVATION	HCL REACTION (Weak / Moderate / Strong)	COMMENTS	Natural Gamma (55 / 110 / 165)
60		**Poorly-graded Sand with Silt (SP-SM)** *(Con't)*				
65		**Poorly-graded Sand (SP)** - white (7.5YR 8/1), pinkish white (7.5YR 8/2) and gray (7.5YR 5/1) residuum wet, loose, non plastic, medium to coarse, trace fine gravel, trace silt				
70						
75		**Fat Clay (CH)** - dark brown (7.5YR 3/2), black (7.5YR 2.5/1) and light greenish gray (10BG 7/1) residuum wet, stiff, high plastic, very fine, color graded from black/brown to light greenish gray with depth, trace fine sand				
80						
85						

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GEOLOGY LOG COLOR GAMMA - ESEE DATABASE.GDT - 8/4/15 23:37 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\PLANT DANIEL CCR DRILLING LOGS.GPJ

SOUTHERN COMPANY

LOG OF TEST BORING

BORING BAW-3
PAGE 4 OF 4
ECS41483, ECS41484, ECS41485

SOUTHERN COMPANY SERVICES, INC.
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Daniel CCR Drilling Logs
LOCATION Moss Point, MS

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	ELEVATION	HCL REACTION (Weak / Moderate / Strong)	COMMENTS	Natural Gamma (55 / 110 / 165)
		Fat Clay (CH) *(Con't)*				
		Silty Sand (SM) - light gray (7.5YR 7/1) and light greenish gray (10BG 7/1) residuum wet, medium dense, non plastic, very fine to fine				
90		**Poorly-graded Gravelly Sand (SP)** - grayish brown (10YR 5/2) residuum wet, loose, non plastic, fine to coarse sand with fine gravel, subangular to rounded grains				
95						
		- gray (10YR 6/1) residuum wet, loose, non plastic, fine to coarse sand with fine gravel				
100						
		Silty Sand (SM)				
105		- gray (10YR 6/1) residuum wet, loose, non plastic, very fine to medium, subangular to subrounded grains, zone of dark brown organics/wood fragments @ approx. 105.5'				
		Bottom of borehole at 107.0 feet.				
110						
115						

GEOLOGY LOG COLOR GAMMA - ESEE DATABASE.GDT - 8/4/15 23:37 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\PLANT DANIEL CCR DRILLING LOGS.GPJ

SOUTHERN COMPANY

RECORD OF WELL CONSTRUCTION

WELL: BAW-3
PAGE 1 OF 1
ECS41483, ECS41484, ECS41485

SOUTHERN COMPANY SERVICES, INC.
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Daniel CCR Drilling Logs
LOCATION Moss Point, MS

DATE STARTED 6/25/2015 **COMPLETED** 7/23/2015 **SURF. ELEV.** 38.8 **COORDINATES:** N:377,407.00 E:1,071,552.15
CONTRACTOR Cascade Drilling **EQUIPMENT** **METHOD** Hydroexcavation; Sonic
DRILLED BY T. Ardito **LOGGED BY** B. Smelser **CHECKED BY** B. Coates **ANGLE** **BEARING**
BORING DEPTH 107 ft. **GROUND WATER DEPTH: DURING** 27 ft. **COMP.** 30.5 ft. **DELAYED** 32.31 ft. after 100 hrs.
NOTES Well installed. Refer to well data sheet.

BOREHOLE DATA ELEV.	Strata	DEPTH (ft)	WELL DATA	ELEV. (DEPTH)	COMMENTS
			Surface: protective aluminum cover with bollards; 3-foot square concrete pad		
			Surface Seal: Concrete	37.8 (1.0)	
28.8		10			
			Well: 2" OD PVC (SCH 40)		
21.8		20			
			Annular Fill: Portland Cement-Bentonite Grout (5 - 94lbs bags PC, 1/2 - 50lbs bag Gel, 75 gal. Water)		
		30			
1.3					
-1.2		40			
-6.2					
-11.2		50		-10.2 (49.0)	
			Annular Seal: Baroid Hole Plug 3/8 Chips (1 - 50lbs bag)	-14.5 (53.3)	
			Filter: Filter Media 1A Silica Sand (4 - 50 lbs bags)	-15.5 (54.3)	
		60	Screen: 10.9 ft. 2 - 5' screens coupled together = 10.9' total length) - 0.010" Slot Prepack		
-25.2				-26.4 (65.2)	
			Sump:0.30 ft.	-26.7 (65.5)	
		70			
-35.7				-35.2 (74.0)	
		80	Backfill:Natural Collapse (65.5-74'), Baroid Hole Plug 3/8 Chips - 3 50lbs. bags (74-87'), Natural Collapse (87-107')		
-47.2					
-49.2				-48.2 (87.0)	
		90			
		100			
-65.2					
-68.2					

2012 WELL CONSTRUCTION RECORD - ESEE DATABASE.GDT - 8/4/15 23:00 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\PLANT DANIEL CCR DRILLING LOGS.GPJ

Southern Company

APPENDIX C

Dewatering Data

Plant Daniel ATB Pumps Running target El: 1

Date	Time	Elapsed Time (min)	Weather	Flow Totalizer (x1000 gal)	Daily Discharge (gal)	Flow Rate Avg (gpm)	Cumulative Discharge (gal)	# Wells Pumping	Avg. Flow Per Well (gpm)	Well ID:	P-1		P-2		P-3		P-4		P-5 (aka P-19)		P-6		P-7		P-8		P-9		P-10		P-11		P-12	
										Grade El:	38.6		38.09		37.79		37.39		37.82		37.68		37.56		35.55		36.01		34.48		36.73		39.89	
										Casing El:	40.97		40.72		40.4		39.97		40.87		40.09		39.57		38.53		38.75		38.47		38.99		41.31	
											Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)
1/8/21	13:30			0							32.01	6.6	31.96	6.1	31.75	6.0	31.4	6.0	32.57	5.3	31.66	6.0	31.16	6.4	30.4	5.2	31.51	4.5	31.81	2.7	32	4.7	34.6	5.3
1/12/21	14:30	5820		1416	1,416,000	243	1,416,000	1	243																									
1/13/21	7:38	1028		4541	3,125,000	3040	4,541,000	4	760		54.31	-15.7	39.1	-1.0	38.83	-1.0	59.38	-22.0	39.84	-2.0	38.85	-1.2	64.58	-27.0	35.85	-0.3	35.88	0.1	36.04	-1.6	43.55	-6.8	38.49	1.4
1/13/21	9:44	126	°F	5025	484,000	3841	5,025,000	13	295		57.41	-18.8	56.91	-18.8	54.73	-16.9	66.67	-29.3	45.82	-8.0	49.7	-12.0	66.33	-28.8	70.8	-35.3	52.95	-16.9	49.1	-14.6	44.94	-8.2	39.46	0.4
1/13/21	13:27	223		5751	726,000	3256	5,751,000	13	250		59.75	-21.2	56.71	-18.6	56.17	-18.4	63.4	-26.0	46.94	-9.1	50.92	-13.2	56.78	-19.2	65.4	-29.9	48.75	-12.7	46	-11.5	44.68	-8.0	40.35	-0.5
1/14/21	8:21	1134	36°F Sunny	7128	1,377,000	1214	7,128,000	2	607		52.88	-14.3	37.66	0.4	37.04	0.8	36.53	0.9	37.51	0.3	36.66	1.0	36	1.6	62.58	-27.0	36.22	-0.2	35.06	-0.6	34.97	1.8	37.17	2.7
1/14/21	13:36	315	°F	7622	494,000	1568	7,622,000	3	523		53.09	-14.5									36.29	1.4			62.6	-27.1							43.82	-3.9
1/15/21	7:15	1059	42°F Sunny	9729	2,107,000	1990	9,729,000	3	663		53.54	-14.9	37.79	0.3	36.91	0.9	36.34	1.1	37.31	0.5	36.21	1.5	35.64	1.9	62.94	-27.4	36.56	-0.6	35.44	-1.0	35.3	1.4	44.13	-4.2
1/18/21	7:30	4335	°F Sunny	14949	5,220,000	1204	14,949,000	3	401		52.07	-13.5	36.61	1.5	36.09	1.7	35.71	1.7	36.72	1.1	35.85	1.8	35.47	2.1	63.14	-27.6	36.6	-0.6	35.69	-1.2	35.58	1.2	50.73	-10.8
1/19/21	9:53	1583	°F Sunny	19974	5,025,000	3174	19,974,000	6	529		56.2	-17.6	40.3	-2.2	39.9	-2.1	40.4	-3.0	81.4	-43.6	52.3	-14.7	43.4	-5.9	63.4	-27.9	38.4	-2.4	37.2	-2.7	36.7	0.0	53.3	-13.4
1/20/21	10:16	1463	58 °F Partly Cloudy	24977	5,003,000	3420	24,977,000	5	684		57.75	-19.2	41.16	-3.1	40.84	-3.1	40.93	-3.5	41.71	-3.9	43.21	-5.5	75.51	-38.0	62.65	-27.1	39.28	-3.3	37.81	-3.3	37.44	-0.7	54	-14.1
1/21/21	10:33	1457	57 °F Light Rain	29505	4,528,000	3108	29,505,000	5	622		56.3	-17.7	40.22	-2.1	39.53	-1.7	39.19	-1.8	40.3	-2.5	41.03	-3.4	73.96	-36.4	61.92	-26.4	38.72	-2.7	37.34	-2.9	37.11	-0.4	53.9	-14.0
1/22/21	8:13	1300	61 °F Light Rain	33556	4,051,000	3116	33,556,000	5	623		56.84	-18.2	40.16	-2.1	39.43	-1.6	39.21	-1.8	40.24	-2.4	40.95	-3.3	74.23	-36.7	61.97	-26.4	38.65	-2.6	37.4	-2.9	37.14	-0.4	53.9	-14.0
1/25/21	7:45	4292	73°F Cloudy	46956	13,400,000	3122	46,956,000	5	624		57.07	-18.5	40.31	-2.2	39.54	-1.8	39.24	-1.9	40.35	-2.5	41	-3.3	75.26	-37.7	62.34	-26.8	38.81	-2.8	37.49	-3.0	37.22	-0.5	54.04	-14.2
1/26/21	8:06	1461	62 °F Cloudy	51509	4,553,000	3116	51,509,000	5	623		57.33	-18.7	40.46	-2.4	39.73	-1.9	39.34	-2.0	40.49	-2.7	41.15	-3.5	73.9	-36.3	62.5	-27.0	38.91	-2.9	37.56	-3.1	37.36	-0.6	53.46	-13.6
1/27/21	8:02	1436	69 °F Cloudy	56061	4,552,000	3170	56,061,000	5	634		57.88	-19.3	40.83	-2.7	40.19	-2.4	40.04	-2.7	41.27	-3.5	53.15	-15.5	40.93	-3.4	62.53	-27.0	39.1	-3.1	37.74	-3.3	37.52	-0.8	54.96	-15.1
1/28/21	11:38	1656	53 °F Sunny	60981	4,920,000	2971	60,981,000	5	594		58.01	-19.4	40.93	-2.8	40.39	-2.6	40.52	-3.1	79.1	-41.3	39.9	-2.2	38.73	-1.2	62	-26.5	38.9	-2.9	37.7	-3.2	37.54	-0.8	55.1	-15.2
1/29/21	7:34	1196	29°F Sunny	64523	3,542,000	2962	64,523,000	5	592		57.9	-19.3	40.88	-2.8	40.18	-2.4	40.34	-3.0	79.98	-42.2	39.72	-2.0	38.56	-1.0	61.9	-26.4	38.9	-2.9	37.66	-3.2	37.51	-0.8	55.2	-15.3
1/31/21	23:59		°F				76,820,094																											
2/1/21	9:31	4437	56 °F Partly Cloudy	78640	14,117,000	3182	78,640,000	5	636		58.76	-20.2	41.29	-3.2	40.71	-2.9	40.57	-3.2	41.93	-4.1	53.54	-15.9	41.28	-3.7	63.05	-27.5	39.61	-3.6	38.14	-3.7	37.99	-1.3	55.49	-15.6
2/2/21	8:13	1362	32 °F Partly Cloudy	82980	4,340,000	3186	82,980,000	5	637		58.86	-20.3	41.3	-3.2	40.66	-2.9	40.54	-3.2	41.89	-4.1	53.54	-15.9	41.26	-3.7	63.1	-27.6	39.52	-3.5	38.2	-3.7	37.98	-1.3	55.61	-15.7
2/3/21	8:37	1464	43°F Sunny	88285	5,305,000	3624	88,285,000	4	906		57.98	-19.4	40.98	-2.9	40.3	-2.5	40.14	-2.8	41.44	-3.6	53.06	-15.4	41	-3.4	61.25	-25.7	38.75	-2.7	37.35	-2.9	37.19	-0.5	39.67	0.2
2/4/21	8:23	1426	35°F Partly Cloudy	93890	5,605,000	3931	93,890,000	4	983		57.9	-19.3	40.9	-2.8	40.26	-2.5	40.12	-2.7	41.37	-3.6	53.02	-15.3	40.95	-3.4	61.19	-25.6	38.7	-2.7	37.2	-2.7	37.1	-0.4	39.54	0.4
2/5/21	8:33	1450	48 °F Raining	98648	4,758,000	3281	98,648,000	5	656		58.81	-20.2	41.29	-3.2	40.69	-2.9	40.53	-3.1	41.85	-4.0	53.66	-16.0	41.36	-3.8	62.12	-26.6	39.52	-3.5	38.24	-3.8	38.05	-1.3	55.82	-15.9
2/8/21	8:20	4307	41 °F Partly cloudy	112356	13,708,000	3183	112,356,000	5	637		59.42	-20.8	41.6	-3.5	41.05	-3.3	40.86	-3.5	42.16	-4.3	54.04	-16.4	41.64	-4.1	62.53	-27.0	39.84	-3.8	38.5	-4.0	38.35	-1.6	56.15	-16.3
2/9/21	7:51	1411	59 °F Cloudy	116858	4,502,000	3191	116,858,000	5	638		59.4	-20.8	41.6	-3.5	41.0	-3.2	40.8	-3.5	42.2	-4.4	53.7	-16.0	41.6	-4.0	62.3	-26.8	39.8	-3.8	38.5	-4.0	38.4	-1.6	56.2	-16.3
2/10/21	8:44	1493	63 °F Raining	121626	4,768,000	3194	121,626,000	5	639		59.5	-20.9	41.6	-3.6	41.0	-3.2	40.9	-3.5	42.2	-4.4	53.8	-16.1	41.7	-4.1	62.7	-27.2	39.9	-3.9	38.7	-4.2	38.4	-1.7	56.3	-16.4
2/11/21	7:25	1361	°F	125975	4,349,000	3195	125,975,000	5	639		59.9	-21.3	41.5	-3.4	41.0	-3.2	40.8	-3.4	42.1	-4.3	53.8	-16.1	41.5	-4.0	62.6	-27.0	39.8	-3.7	38.5	-4.0	38.3	-1.6	56.1	-16.2
2/12/21	7:48	1463	53°F Raining	130652	4,677,000	3197	130,652,000	5	639		59.4	-20.8	41.5	-3.4	40.9	-3.1	40.8	-3.4	42.1	-4.3	53.8	-16.1	41.6	-4.0	62.6	-27.0	39.7	-3.7	38.4	-3.9	38.3	-1.6	56.0	-16.1
2/15/21	7:31	4303	37 °F Cloudy	144436	13,784,000	3203	144,436,000	5	641		59.3	-20.7	41.5	-3.4	40.8	-3.0	40.7	-3.3	42.1	-4.2	53.7	-16.1	41.4	-3.9	62.4	-26.9	39.7	-3.7	38.4	-3.9	38.2	-1.5	56.0	-16.1
2/16/21	8:03	1472	22 °F Clear	148182	3,746,000	2545	148,182,000	6	424		60.4	-21.8	42.1	-4.0	41.5	-3.7	41.4	-4.0	42.7	-4.9	54.5	-16.8	42.0	-4.4	63.0	-27.5	40.3	-4.3	39.0	-4.5	38.8	-2.0	56.5	-16.6
2/17/21	8:32	1469	29°F Partly Cloudy	153060	4,878,000	3321	153,060,000	6	553		60.2	-21.6	42.1	-4.0	41.5	-3.7	41.4	-4.0	42.7	-4.9	54.4	-16.7	41.9	-4.4	62.9	-27.3	40.2	-4.1	38.8	-4.4	38.6	-1.9	56.4	-16.5
2/18/21	8:06	1414	43°F Partly Cloudy	157853	4,793,000	3390	157,853,000	6	565		60.3	-21.7	42.1	-4.0	41.5	-3.8	41.4	-4.0	42.7	-4.9	54.5	-16.8	42.0	-4.4	62.9	-27.4	40.3	-4.3	38.9	-4.4	38.8	-2.0	56.4	-16.5
2/19/21	8:14	1448	36°F Partly Cloudy	163228	5,375,000	3712	163,228,000	7	530		60.6	-22.0	42.4	-4.3	41.9	-4.1	41.8	-4.4	43.1	-5.3	53.9	-16.2	42.4	-4.8	63.5	-28.0	41.5	-5.5	48.4	-13.9	39.9	-3.2	57.0	-17.1
2/22/21	8:20	4326	56°F Partly Cloudy	178873	15,645,000	3617	178,873,000	6	603		60.2	-21.6	41.8	-3.7	41.0	-3.2	40.4	-3.0	41.6	-3.8	40.3	-2.6	39.3	-1.8	62.8	-27.2	41.4	-5.3	48.6	-14.1	40.1	-3.4	57.2	-17.3
2/23/21	7:42	1402	35 °F Sunny	184086	5,213,000	3718	184,086,000	7	531		61.0	-22.4	42.6	-4.5	41.9	-4.2	41.9	-4.5	43.1	-5.3	55.0	-17.3	42.2	-4.7	63.8	-28.3	41.8	-5.8	48.9	-14.4	40.3	-3.6	57.5	-17.6
2/24/21	7:35	1433	38 °F Hazy	189772	5,686,000	3968	189,772,000	8	496		61.2	-22.6	42.7	-4.7	42.2	-4.4	42.1	-4.7	43.5	-5.7	55.3	-17.6	42.7	-5.1	63.9	-28.3	42.2	-6.2	49.5	-15.1	54.4	-17.6	57.7	-17.8
2/25/21	7:45	1450	58 °F Partly cloudy	195282	5,510,000	3800	195,282,000	13	292		64.2	-25.6	44.9	-6.8	44.3	-6.5	44.9	-7.6	77.1	-39.3	59.1	-21.4	77.8	-40.2	66.3	-30.8	56.0	-20.0	51.1	-16.6	55.1	-18.3	58.0	-18.2
2/26/21	7:55	1450	63°F Foggy	199965	4,683,000	3230	199,965,000	12	269		62.1	-23.5	44.0	-5.9	44.0	-6.2	45.2	-7.8	69.7	-31.8	59.3	-21.6	80.0	-42.4	65.1	-29.5	55.6	-19.6	50.8	-16.3	54.7	-18.0	58.1	-18.2
3/1/21	7:42	4307	69 °F Cloudy	213731	13,766,000	3196	213,731,000	10	320		62.62	-24.0	44.18	-6.1	43.94	-6.2	44.84	-7.5	64.87	-27.1	44.06	-6.4	42.7	-5.1	63.73	-28.2	55.2	-19.2	51.67	-17.2	54.6	-17.9	58.8	-18.9
3/2/21	7:44	1442	49°F Light Rain	218122	4,391,000	3045	218,122,000	10	305		63.21	-24.6	44.42	-6.3	44.14	-6.4	45.04	-7.7	65.32	-27.5	44.23	-6.6	42.78	-5.2	64.14	-28.6	55.59	-19.6	52.17	-17.7	55.17	-18.4	59.25	-19.4
3/3/21	7:44	1440	55°F Mostly Sunny	222512	4,390,000	3049	222,512,000	10	305		63.14	-24.5	44.46	-6.4	44.26	-6.5	45.16	-7.8	65.48	-27.7	44.24	-6.6	42.84	-5.3	64	-28.5	55.52	-19.5	51.92	-17.4	55.28	-18.6	59.57	-19.7
3/4/21	7:56	1452	59°F Sunny	226842	4,330,000	2982	226,842,000	11	271		63.46	-24.9	44.78	-6.7	44.45	-6.7	45.26	-7.9	65.42	-27.6	44.39	-6.7	43	-5.4	63.76	-28.2	55.24	-19.2	51.94	-17.5	55.24	-18.5	58.76	-18.9
3/5/21	7:47	1431	45 °F Partly Cloudy	231505	4,663,000	3259	231,505,000	11	296		63.72	-25.1	44.9	-6.8	44.6	-6.8	45.45	-8.1	65.83	-28.0	44.47	-6.8	43.19	-5.6	63.99	-28.4	55.47	-19.5	52.22	-17.7	55.6	-18.9	59	-19.1
3/8/21	7:46	4319	40 °F Sunny	245161	13,656,000	3162	245,161,000	11	287		64.7	-26.1	45.39	-7.3	45.12	-7.3	45.94	-8.6	66.63	-28.8	44.97	-7.3	43.55	-6.0	64.51	-29.0	55.96	-20.0	52.87	-18.4	56.38	-19.7	46.34	-6.5
3/9/21	7:23	1417	55 °F Sunny	249618	4,457,000	3145	249,618,000	11	286		64.76	-26.2	45.43	-7.3	45.24	-7.5	46	-8.6	66.87	-29.1	44.98	-7.3	43.62	-6.1	64.63	-29.1	56.09	-20.1	53	-18.5	56.69	-20.0	46.54	-6.7
3/10/21	8:18	1495	65°F Mostly Cloudy	254458	4,840,000	3237	254,458,000	11	294		65	-26.4	45.95	-7.9	45.29	-7.5	46.12	-8.7	67.03	-29.2	45.09	-7.4	43.75	-6.2	63.74	-28.2	56.24	-20.2	53.17	-18.7	57.05	-20.3	60	-20.1
3/11/21	8:06	1428	66 °F Mostly Cloudy	259080	4,622,000	3237	259,080,000	11	294		65.88	-27.3	45.89	-7.8	45.49	-7.7	46.31	-8.9	67.29	-29.5	45.2	-7.5	43.81	-6.3	64.94	-29.4	56.45	-20.4	53.44	-19.0	57.37	-20.6	60.23	-20.3
3/12/21	7:26	1400	64 °F Cloudy	263607	4,527,000	3234	263,607,000	11	294		65.57	-27.0	45.91	-7.8	45.6	-7.8	46.5	-9.1	67.57	-29.8	45.36	-7.7	43.94	-6.4	65.14	-29.6	56.61	-20.6	53.6	-19.1	57.6	-20.9	60.59	-20.7
3/15/21	9:00	4414	76°F Cloudy	277154	13,547,000	3069	277,154,000	11	279		66.18	-27.6	46.2	-8.1	45.8	-8.0	46.71	-9.3	68.04	-30.2	45.58	-7.9	44.14	-6.6	65.35	-29.8	56.91	-20.9	53.93	-19.5	58.03	-21.3	47.47	-7.6
3/16/21	9:00	1440	79 °F Partly Cloudy	282669	5,515,000	3830	282,669,000	17	225		66.7	-28.1	47.6	-9.5	60	-22.2	70.4	-33.0	49.19	-11.4	60.95	-23.3	76.94	-39.4	66.45	-30.9	57.14	-21.1	53.65	-19.2	57.92	-21.2	60.51	-20.6
3/17/21	8:21	1401	73 °F Cloudy	289027	6,358,000	4538	289,027,000	17	267		69.21	-30.6	62.83	-24.7	61.72	-23.9	74.08	-36.7	69.38	-31.6	61.59	-23.9	80.12	-42.6	66.77	-31.2	57.23	-21.2	53.54	-19.1	57.95	-21.2	47.89	-8.0
3/18/21	8:58	1477	62 °F Sunny	295398	6,371,000	4313	295,398,000	17	254		68.26	-29.7	48.9	-10.8	61.73	-23.9	75.12	-37.7	70.57	-32.8	62.22	-24.5	77.4	-39.8	66.82	-31.3	57.53	-21.5	53.86	-19.4	58.02	-21.3	48.12	-8.2
3/19/21	8:25	1407	53°F Partly Cloudy	301849	6,451,000	4585	301,849,000	17	270		70.05	-31.5	62.26	-24.2	63.14	-25.4	75.79	-38.4	71.59	-33.8	62.83	-25.2	77.4	-39.8	67.29	-31.7	57.88	-21.9	54.26	-19.8	58.54	-21.8	61.63	-21.7
3/22/21	7:21	4256	43°F Partly Cloudy	320784	18,935,000	4449	320,784,000	17	262		70.55	-32.0	62.87	-24.8	65	-27.2	77.45	-40.1	75.7	-37.9	73.7	-36.0	75.05	-37.5	48.35	-12.8	57.9	-21.9	54.73	-20.3	59.78	-23.1	61.99	-22.1
3/23/21	8:07	1486	67°F Cloudy	327585	6,801,000	4577	327,585,000	17	269		71.8	-33.2	63.4	-25.3	65.83	-28.0	78.83	-41.4	77.1	-39.3	64.53	-26.9	78	-40.4	67.86	-32.3	58.52	-22.5	54.87	-20.4	59.65	-22.9	62.28	-22.4
3/24/21	7:42	1415	62 °F Raining	334044	6,459,000	4565	334,044,000	17	269		72.42	-33.8	63.7	-25.6	66.46	-28.7	78.82	-41.4	74.26	-36.4	65.01	-27.3	78.96	-41.4	68.03	-32.5	58.75	-22.7	54.98	-20.5	59.89	-23.2	62.22	-22.3
3/25/21	8:46	1504	72 °F Cloudy	340762	6,718,000	4467	340,762,000	17	263		71.87	-33.3	63.58	-25.5	66.81	-29.0	82.6	-45.2	74.07	-36.3	65.5	-27.8	78.94	-41.4	68.3	-32.8	58.99	-23.0	55.24	-20.8	60.4	-23.7	62.83	-22.9
3/26/21	7:38	1372	72 °F Cloudy	346922	6,160,000	4490	346,922,000	17	264		73	-34.4	64.1	-26.0	67.27	-29.5	81.9	-44.5	71.79	-34.0	65.99	-28.3	79.1	-41.5	68.42	-32.9	59.11	-23.1	55.4	-20.9	60.6	-23.9	62.5	-22.6
3/29/21	8:00	4342	53°F Mostly Sunny	366310	19,388,000	4465	366,310,000	17	263		74.25	-35.7	64.69	-26.6	68.43	-30.6	85.66	-48.3	72.5	-34.7	62.37	-24.7	79.58	-42.0	68.84	-33.3	59.4	-23.4	55.8	-21.3	61.24	-24.5	62.76	-22.9
3/30/21	7:37	1417	57°F Mostly Cloudy	372601	6,291,000	4440	372,601,000	17	261		74.48	-35.9	64.89	-26.8	68.76	-31.0	86.3	-48.9	72.73	-34.9	67.58	-29.9	79.39	-41.8	68.96	-33.4	59.5	-23.5	55.81	-21.3	61.3	-24.6	62.81	-22.9
3/31/21	7:52	1455	72 °F Cloudy	379033	6,432,000	4421	379,033,000	17	260		74.74	-36.1	65.04	-27.0	69.09	-31.3	86.6	-49.2	72.79	-35.0	68.01	-30.3	79.71	-42.2	69.13	-33.6	59.67	-23.7	55.98	-21.5	61.93	-25.2	62.93	-23.0
4/1/21	8:23	1471	50 °F Sunny	385524	6,491,000	4413	385,524,000	17	260		75.24	-36.6	65.4	-27.3	69.69	-31.9	88.1	-50.7	73.47	-35.7	68.56	-30.9	80.14	-42.6	69.4	-33.9	59.96	-24.0	56.24	-21.8	61.77	-25.0	63.07	-23.2
4/5/21	7:57	5734	46°F Hazy	410610	25,086,000	4375	410,610,000	17	257		77.2	-38.6	65.9	-27.8	70.66	-32.9	89.98	-52.6	74.09	-36.3	69.67	-32.0	80.71	-43.2	69.79	-34.2	60.3	-24.3	56.57	-22.1	62.3	-25.6	63.2	-23.3
4/6/21	7:56	1439	54°F Partly Cloudy	416860	6,250,000	4343	416,860,000	17	255		76.49	-37.9	66.1	-28.0	71.07	-33.3	90.46	-53.1	74.21	-36.4	70.02	-32.3	80.58	-43.0	69.9	-34.4	60.43	-24.4	56.75	-22.3	62.48	-25.8	63.32	-23.4
4/7/21	7:49	1433	62 °F Cloudy	423052	6,192,000	4321	423,052,000	17	254		76.71	-38.1	66.25	-28.2	71.32	-33.5	91.41	-54.0	75.51	-37.7	70.32	-32.6	80.7	-43.1	70	-34.5	60.55	-24.5	56.85	-22.4	62.7	-26.0	63.39	-23.5
4/8/21	8:05	1456	69°F Raining	429333	6,281,000	4314	429,333,000	17	254		76.89	-38.3	66.27	-28.2	71.47	-33.7	91.43	-54.0	75.43	-37.6	70.65	-33.0	81	-43.4	70.02	-34.5	60.51	-24.5	56.68	-22.2	62.4	-25.7	63.54	-23.7
4/9/21	8:27	1462	66°F Raining	435612	6,279,000	4295	435,612,000	17	253		77.19	-38.6	66.49	-28.4	71.9	-34.1	92.18	-54.8	76.16	-38.3	71.09	-33.4	80.44	-42.9	70.08	-34.5	60.7	-24.7	57.82	-23.3	62.6	-25.9	63.62	-23.7
4/12/21	7:43	4276	53 °F Sunny	451948	16,336,000	3820	451,948,000	17	225		76.3	-37.7	64	-25.9	70.95	-33.2	90.9	-53.5	75.36	-37.5	71.15	-33.5	80.05	-42.5	50.6	-15.1	59.66	-23.7	56.69	-22.2	62.96	-26.2	63.44	-23.6
4/13/21	7:56	1453	61°F Partly Cloudy	457233	5,285,000	3637	457,233,000	14	260		76.25	-37.7	52.5	-14.4	70.9	-33.1	91.4	-54.0	74.63	-36.8	71.27	-33.6	80.45	-42.9	50.44	-14.9	59.69	-23.7	56.63	-22.2	63.13	-26.4	50.46	-10.6
4/14/21	8:18	1462	65°F Mostly Cloudy	462850	5,617,000	3842	462,850,000	15	256		77.18	-38.6	66	-27.9	71.74	-34.0	91.65	-54.3	75.56	-37.7	71.18	-33.5	80.35	-42.8	50.42	-14.9	59.48	-23.5	56.41	-21.9	62.74	-26.0	50.26	-10.4
4/15/21	8:30	1452	64 °F Raining	468595	5,745,000	3957	468,595,000	16	247		76.7	-38.1	52.7	-14.6	71.16	-33.4	90.13	-52.7	77.25	-39.4	71.74	-34.1	80.26	-42.7	69.33	-33.8	60.58	-24.6	56.65	-22.2	62.67	-25.9	58.7	-18.8
4/16/21	10:03	1533	62 °F Cloudy	474962	6,367,000	4153	474,962,000	17	244		77.16	-38.6	65.9	-27.8	71.92	-34.1	89.9	-52.5	76.78	-39.0	72.03	-34.4	81.02	-43.5	68.41	-32.9	60.51	-24.5	56.54	-22.1	62.57	-25.8	57.48	-17.6
4/19/21	8:21	4218	58°F Sunny	492194	17,232,000	4085	492,194,000	16	255		77.74	-39.1	66.41	-28.3	72.66	-34.9	91.23	-53.8	77.14	-39.3	72.96	-35.3	81.13	-43.6	69.57	-34.0	60.46	-24.5	56.42	-21.9	62.89	-26.2	57.04	-17.2
4/20/21	7:35	1394	60°F 60% Chance of Ra	497651	5,457,000	3915	497,651,000	16	245		77.02	-38.4	52.97	-14.9	71.72	-33.9	73.45	-36.1	77	-39.2	73.05	-35.4

KELLER

Plant Daniel ATB Pumps Running target El: 1

Date	Time	Elapsed Time (min)	Weather	Flow Totalizer (x1000 gal)	Daily Discharge (gal)	Flow Rate Avg (gpm)	Cumulative Discharge (gal)	# Wells Pumping	Avg. Flow Per Well (gpm)	Well ID:	P-1		P-2		P-3		P-4		P-5 (aka P-19)		P-6		P-7		P-8		P-9		P-10		P-11		P-12	
										Grade El:	38.6		38.09		37.79		37.39		37.82		37.68		37.56		35.55		36.01		34.48		36.73		39.89	
										Casing El:	40.97		40.72		40.4		39.97		40.87		40.09		39.57		38.53		38.75		38.47		38.99		41.31	
											Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)
4/26/21	8:43	4401	70°F Mostly Sunny	530955	16,370,000	3720	530,955,000	15	248		76.39	-37.8	57.3	-19.2	71.86	-34.1	66.8	-29.4	69	-31.2	73.08	-35.4	80.64	-43.1	50.44	-14.9	59.33	-23.3	55.96	-21.5	62.18	-25.5	57.02	-17.1
4/27/21	7:20	1357	62 °F Partly Cloudy	536329	5,374,000	3960	536,329,000	17	233		76.5	-37.9	57.4	-19.3	72.07	-34.3	67.1	-29.7	74.28	-36.5	73.81	-36.1	81.3	-43.7	68.45	-32.9	60	-24.0	56.27	-21.8	61.8	-25.1	57.2	-17.3
4/28/21	7:17	1437	72°F Cloudy	542031	5,702,000	3968	542,031,000	17	233		76.58	-38.0	57.4	-19.3	72.32	-34.5	67.34	-30.0	75.71	-37.9	74.1	-36.4	81.3	-43.7	68.6	-33.1	60.07	-24.1	56.34	-21.9	61.98	-25.3	57.4	-17.5
4/29/21	7:32	1455	73 °F Hazy	547807	5,776,000	3970	547,807,000	17	234		76.75	-38.2	57.46	-19.4	72.3	-34.5	67.52	-30.1	75.02	-37.2	74.31	-36.6	81.52	-44.0	68.66	-33.1	60.13	-24.1	56.44	-22.0	62.28	-25.6	57.46	-17.6
4/30/21	7:14	1422	74°F Cloudy	553454	5,647,000	3971	553,454,000	17	234		77	-38.4	57.59	-19.5	72.43	-34.6	67.7	-30.3	75.65	-37.8	74.52	-36.8	81.63	-44.1	68.7	-33.2	60.17	-24.2	56.49	-22.0	62.28	-25.6	57.49	-17.6
5/1/21	7:22	1448	°F	559214	5,760,000	3978	559,214,000	17	234																									
5/3/21	7:21	2879	77 °F Patrly Cloudy	570674	11,460,000	3981	570,674,000	17	234		77.12	-38.5	57.58	-19.5	72.56	-34.8	68.05	-30.7	77.39	-39.6	74.95	-37.3	82.17	-44.6	68.9	-33.4	60.27	-24.3	56.53	-22.1	61.98	-25.3	57.68	-17.8
5/4/21	7:49	1468	79°F Cloudy	576508	5,834,000	3974	576,508,000	17	234		77.34	-38.7	57.62	-19.5	72.64	-34.9	68.3	-30.9	77.5	-39.7	75.1	-37.4	82.03	-44.5	69.01	-33.5	60.4	-24.4	56.64	-22.2	62.3	-25.6	57.87	-18.0
5/5/21	7:57	1448	71 °F Stormy	582266	5,758,000	3977	582,266,000	17	234		77.28	-38.7	57.63	-19.5	72.71	-34.9	68.4	-31.0	76.35	-38.5	75.25	-37.6	81.5	-43.9	69.08	-33.5	60.46	-24.5	56.7	-22.2	62.2	-25.5	57.87	-18.0
5/6/21	9:27	1530	71 °F Sunny	588344	6,078,000	3973	588,344,000	17	234		77.27	-38.7	57.63	-19.5	72.68	-34.9	68.49	-31.1	75.44	-37.6	69.29	-31.6	81.82	-44.3	69.15	-33.6	60.52	-24.5	56.72	-22.2	62.19	-25.5	57.97	-18.1
5/7/21	6:55	1288		593012	4,668,000	3624	593,012,000	17	213		73.34	-34.7	57.63	-19.5	72.68	-34.9	68.49	-31.1	75.44	-37.6	69.29	-31.6	81.82	-44.3	69.15	-33.6	60.52	-24.5	56.72	-22.2	62.19	-25.5		
5/10/21	7:26	4351	71 °F Stormy	609100	16,088,000	3698	609,100,000	17	218		74.77	-36.2	57.4	-19.3	72.39	-34.6	63.23	-25.8	74.62	-36.8	73.43	-35.8	53.84	-16.3	67.23	-31.7	59.76	-23.8	56.14	-21.7	61.74	-25.0	57.76	-17.9
5/11/21	10:20	1614	76°F Cloudy	615331	6,231,000	3861	615,331,000	17	227		75	-36.4	57.42	-19.3	72.68	-34.9	63.34	-26.0	74.22	-36.4	73.37	-35.7	53.74	-16.2	67.27	-31.7	59.88	-23.9	56.2	-21.7	61.89	-25.2	58	-18.1
5/12/21	8:09	1309	71 °F Cloudy	620113	4,782,000	3653	620,113,000	16	228		74.53	-35.9	57.22	-19.1	72.57	-34.8	63.43	-26.0	73.76	-35.9	74.39	-36.7	53.62	-16.1	67.48	-31.9	59.73	-23.7	50.69	-16.2	61.87	-25.1	58.12	-18.2
5/13/21	8:43	1474	65°F Partly Cloudy	625758	5,645,000	3830	625,758,000	17	225		75.32	-36.7	57.49	-19.4	72.59	-34.8	63.5	-26.1	74.2	-36.4	73.32	-35.6	53.63	-16.1	67.29	-31.7	59.93	-23.9	56.32	-21.8	61.96	-25.2	57.92	-18.0
5/14/21	12:01	1638	75°F Mostly Sunny	631994	6,236,000	3807	631,994,000	17	224		75.49	-36.9	57.44	-19.4	72.23	-34.4	62.65	-25.3	74.66	-36.8	73.85	-36.2	53.49	-15.9	67.3	-31.8	60	-24.0	56.35	-21.9	61.98	-25.3	57.97	-18.1
5/17/21	8:03	4082	74 °F Mostly Cloudy	647682	15,688,000	3843	647,682,000	17	226		75.29	-36.7	57.58	-19.5	72.92	-35.1	63.1	-25.7	74.2	-36.4	73.24	-35.6	53.55	-16.0	67.1	-31.6	59.94	-23.9	56.78	-22.3	61.87	-25.1	57.91	-18.0
5/18/21	7:50	1427	75 °F Cloudy	653168	5,486,000	3844	653,168,000	17	226		75.5	-36.9	57.64	-19.6	72.98	-35.2	63.18	-25.8	74.67	-36.9	73.33	-35.7	53.59	-16.0	67.22	-31.7	60	-24.0	56.86	-22.4	62.04	-25.3	58.05	-18.2
5/19/21	7:41	1431	73°F Light Rain	658664	5,496,000	3841	658,664,000	17	226		75.48	-36.9	57.64	-19.6	73.04	-35.3	63.26	-25.9	74.82	-37.0	73.38	-35.7	53.64	-16.1	67.26	-31.7	60.05	-24.0	56.9	-22.4	62.08	-25.4	58.07	-18.2
5/20/21	8:10	1469	77°F Windy	664314	5,650,000	3846	664,314,000	17	226		75.69	-37.1	57.7	-19.6	73.24	-35.5	63.35	-26.0	74.62	-36.8	73.55	-35.9	53.73	-16.2	67.39	-31.8	60.13	-24.1	56.7	-22.2	62.05	-25.3	58.09	-18.2
5/21/21	8:51	1481	79°F Windy	670019	5,705,000	3852	670,019,000	17	227		75.96	-37.4	57.82	-19.7	73.49	-35.7	63.5	-26.1	74.03	-36.2	73.65	-36.0	53.67	-16.1	67.48	-31.9	60.24	-24.2	56.77	-22.3	62.21	-25.5	58.25	-18.4
5/24/21	7:25	4234	76 °F Partly Cloudy	686305	16,286,000	3846	686,305,000	17	226		76.23	-37.6	57.87	-19.8	73.6	-35.8	63.67	-26.3	75.02	-37.2	73.74	-36.1	53.72	-16.2	67.6	-32.1	60.44	-24.4	56.93	-22.5	62.47	-25.7	58.49	-18.6
5/25/21	13:19	1540	85°F Partly Cloudy °F	692215	5,910,000	3838	692,215,000	17	226		73.32	-34.7	57.1	-19.0	70.32	-32.5	62	-24.6	74.66	-36.8	70.72	-33.0	53.12	-15.6	66.94	-31.4	59.49	-23.5	51	-16.5	61	-24.3	58.14	-18.3
5/26/21	11:04	1305	85°F Partly Cloudy	697126	4,911,000	3763	697,126,000	16	235		75.73	-37.1	57.74	-19.7	72.93	-35.1	63	-25.6	74.18	-36.4	73.2	-35.5	53.43	-15.9	67.4	-31.9	59.94	-23.9	51.22	-16.7	61.18	-24.5	58.67	-18.8
5/27/21	9:10	1326	83 °F Sunny	701919	4,793,000	3615	701,919,000	16	226		76.05	-37.5	57.89	-19.8	73.54	-35.8	63.2	-25.8	74.8	-37.0	72.8	-35.1	52.82	-15.3	51	-15.5	58.4	-22.4	56.6	-22.1	62.48	-25.8	58.82	-18.9
5/28/21	9:18	1448	82 °F Partly Sunny	707362	5,443,000	3759	707,362,000	16	235		76.08	-37.5	57.9	-19.8	73.6	-35.8	63.36	-26.0	75.4	-37.6	72.64	-35.0	52.68	-15.1	50.95	-15.4	59.52	-23.5	57	-22.5	62.85	-26.1	59.04	-19.2
6/1/21	7:36	5658	72 °F Partly Cloudy	729062	21,700,000	3835	729,062,000	16	240		76.73	-38.1	58.17	-20.1	73.77	-36.0	63.44	-26.1	65.78	-28.0	73.03	-35.4	52.79	-15.2	51.22	-15.7	60.78	-24.8	60.78	-26.3	63.2	-26.5	59.55	-19.7
6/2/21	7:34	1438	81 °F Mostly Cloudy	734344	5,282,000	3673	734,344,000	16	230		76.72	-38.1	58.13	-20.0	74.06	-36.3	63.47	-26.1	65.72	-27.9	72.75	-35.1	52.61	-15.1	51.2	-15.7	60.04	-24.0	57.83	-23.4	63.73	-27.0	59.7	-19.8
6/3/21	7:42	1448	77 °F Cloudy	739961	5,617,000	3879	739,961,000	17	228		76.7	-38.1	58.28	-20.2	74.14	-36.4	63.6	-26.2	65.83	-28.0	73.48	-35.8	53.5	-15.9	67.3	-31.8	61.06	-25.1	58.16	-23.7	63.93	-27.2	59.74	-19.9
6/4/21	8:16	1474	75°F Cloudy	745374	5,413,000	3672	745,374,000	17	216		65.67	-27.1	58.25	-20.2	74.4	-36.6	63.62	-26.2	65.82	-28.0	62.47	-24.8	54.15	-16.6	67.35	-31.8	61.15	-25.1	58.16	-23.7	64.12	-27.4	60.32	-20.4
6/7/21	8:27	4331	80°F Partly Cloudy	761333	15,959,000	3685	761,333,000	17	217		66.01	-27.4	58.38	-20.3	74.62	-36.8	63.64	-26.3	65.8	-28.0	62.28	-24.6	53	-15.4	67.5	-32.0	61.37	-25.4	58.52	-24.0	64.64	-27.9	60.69	-20.8
6/8/21	7:42	1395	80 °F Partly Cloudy	766227	4,894,000	3508	766,227,000	16	219		66.02	-27.4	58.36	-20.3	74.57	-36.8	63.66	-26.3	66.05	-28.2	61.82	-24.1	52.12	-14.6	51.25	-15.7	60.84	-24.8	58.32	-23.8	64.32	-27.6	60.8	-20.9
6/9/21	7:30	1428	77 °F Partly Cloudy	771564	5,337,000	3737	771,564,000	17	220		65.97	-27.4	58.42	-20.3	74.53	-36.7	63.82	-26.4	66.12	-28.3	62.08	-24.4	55.12	-17.6	67.5	-32.0	61.54	-25.5	58.63	-24.2	64.5	-27.8	60.9	-21.0
6/10/21	7:35	1445	79 °F Sunny	777200	5,636,000	3900	777,200,000	17	229		65.98	-27.4	58.45	-20.4	74.58	-36.8	63.9	-26.5	66.2	-28.4	62.52	-24.8	66.98	-29.4	67.94	-32.4	61.7	-25.7	58.73	-24.3	64.53	-27.8	60.98	-21.1
6/11/21	7:49	1454	83°F Partly Cloudy	782868	5,668,000	3898	782,868,000	17	229		66.11	-27.5	58.45	-20.4	74.82	-37.0	64	-26.6	66.34	-28.5	62.81	-25.1	67.44	-29.9	68.13	-32.6	61.79	-25.8	58.83	-24.4	64.66	-27.9	61.05	-21.2
6/14/21	7:25	4296	73°F Partly Cloudy	799090	16,222,000	3776	799,090,000	16	236		66.16	-27.6	58.68	-20.6	75.06	-37.3	63.92	-26.5	66.6	-28.8	63.33	-25.7	68.63	-31.1	68.15	-32.6	61.3	-25.3	52.57	-18.1	64.24	-27.5	53.13	-13.2
6/15/21	7:55	1470	82°F Sunny	804814	5,724,000	3894	804,814,000	17	229		66.25	-27.7	58.7	-20.6	75.18	-37.4	64.01	-26.6	66.65	-28.8	63.42	-25.7	68.76	-31.2	68.25	-32.7	61.74	-25.7	58.7	-24.2	64.52	-27.8	61.04	-21.2
6/16/21	7:25	1410	77°F Sunny	810305	5,491,000	3894	810,305,000	17	229		66.37	-27.8	58.76	-20.7	75.2	-37.4	64.13	-26.7	66.76	-28.9	63.57	-25.9	68.9	-31.3	68.38	-32.8	61.86	-25.9	58.83	-24.4	64.87	-28.1	61.13	-21.2
6/17/21	9:08	1543	81 °F Sunny	815997	5,692,000	3689	815,997,000	16	231		66.63	-28.0	58.83	-20.7	75.23	-37.4	64.2	-26.8	66.83	-29.0	63.32	-25.6	68.42	-30.9	62.42	-26.9	61.27	-25.3	58.73	-24.3	64.59	-27.9	61.25	-21.4
6/18/21	7:49	1361	76°F Cloudy	821295	5,298,000	3893	821,295,000	17	229		66.78	-28.2	58.89	-20.8	75.47	-37.7	64.33	-26.9	66.92	-29.1	63.6	-25.9	69.07	-31.5	68.29	-32.7	61.97	-26.0	59	-24.5	64.92	-28.2	61.24	-21.4
6/21/21	7:29	4300	72°F Cloudy	837980	16,685,000	3880	837,980,000	17	228		66.45	-27.9	58.79	-20.7	75.42	-37.6	64.53	-27.1	67.13	-29.3	63.82	-26.1	69.34	-31.8	68.1	-32.6	61.66	-25.7	58.6	-24.1	64.93	-28.2	60.08	-20.2
6/22/21	7:25	1436	75 °F Cloudy	843569	5,589,000	3892	843,569,000	17	229		65.78	-27.2	58.7	-20.6	75.26	-37.5	64.1	-26.7	67.1	-29.3	63.84	-26.2	69.15	-31.6	67.77	-32.2	61.34	-25.3	58.27	-23.8	64.3	-27.6	59.72	-19.8
6/23/21	7:05	1420	84 °F Cloudy	849109	5,540,000	3901	849,109,000	17	229		65.79	-27.2	58.67	-20.6	75.3	-37.5	64.21	-26.8	67.13	-29.3	63.88	-26.2	69.27	-31.7	67.72	-32.2	61.37	-25.4	58.08	-23.6	64.18	-27.5	59.1	-19.2
6/24/21	7:09	1444	77°F Partly Cloudy	854047	4,938,000	3420	854,047,000	16	214		64.95	-26.4	58.43	-20.3	74.7	-36.9	63.51	-26.1	66.57	-28.8	63.64	-26.0	68.98	-31.4	67.12	-31.6	60.67	-24.7	57.66	-23.2	63.56	-26.8	58.44	-18.6
6/25/21	7:11	1442	77°F Partly Cloudy	859702	5,655,000	3922	859,702,000	17	231		64.99	-26.4	58.45	-20.4	74.33	-36.5	63.64	-26.3	66.7	-28.9	63.79	-26.1	69.2	-31.6	67.2	-31.7	60.89	-24.9	57.66	-23.2	63.64	-26.9	58.8	-18.9
6/28/21	7:20	4329	79°F Partly Cloudy	876087	16,385,000	3785	876,087,000	17	223		64.36	-25.8	58.06	-20.0	73.4	-35.6	63.4	-26.0	66.57	-28.8	63.86	-26.2	69.4	-31.8	67.12	-31.6	60.67	-24.7	57.63	-23.2	63.46	-26.7	58.88	-19.0
6/29/21	7:05	1425	78°F Partly Cloudy	881651	5,564,000	3905	881,651,000	17	230		64.87	-26.3	58.2	-20.1	71.08	-33.3	63.42	-26.0	66.61	-28.8	63.86	-26.2	69.47	-31.9	67.17	-31.6	60.69	-24.7	57.61	-23.1	63.3	-26.6	58.97	-19.1
6/30/21	7:14	1449	76°F Partly Cloudy	887316	5,665,000	3910	887,316,000	17	230		64.79	-26.2	58.17	-20.1	71.04	-33.3	64.4	-27.0	66.6	-28.8	63.84	-26.2	69.5	-31.9	67.2	-31.7	60.71	-24.7	57.64	-23.2	63.59	-26.9	59.08	-19.2
7/1/21	7:53	1479	76 °F Mostly Cloudy	893096	5,780,000	3908	893,096,000	17	230		64.82	-26.2	58.18	-20.1	71.08	-33.3	63.42	-26.0	66.65	-28.8	63.85	-26.2	69.55	-32.0	67.26	-31.7	60.75	-24.7	56.66	-22.2	63.68	-27.0	59.21	-19.3
7/2/21	7:38	1425	78°F Sunny	898601	5,505,000	3863	898,601,000	17	227		64.9	-26.3	58.14	-20.1	67.35	-29.6	63.39	-26.0	66.62	-28.8	63.88	-26.2	59.69	-22.1	67.3	-31.8	60.82	-24.8	57.7	-23.2	63.77	-27.0	59.36	-19.5
7/6/21	9:09	5851	75°F Rainy	920395	21,794,000	3725	920,395,000	16	233		64.72	-26.1	57.98	-19.9	66.65	-28.9	63.24	-25.9	66.59	-28.8	63.99	-26.3	69.79	-32.2	67.27	-31.7	60.99	-25.0	57.88	-23.4	63.84	-27.1	59.8	-19.9
7/7/21	7:21	1332	76°F Cloudy	925589	5,194,000	3899	925,589,000	17	229		64.78	-26.2	59.25	-21.2	66.7	-28.9	63.19	-25.8	66.55	-28.7	63.94	-26.3	69.75	-32.2	67.3	-31.8	60.99	-25.0	57.87	-23.4	64	-27.3	59.86	-20.0
7/8/21	7:25	1444	76°F Cloudy	931212	5,623,000	3894	931,212,000	17	229		64.96	-26.4	59.34	-21.3	66.82	-29.0	63.3	-25.9	66.64	-28.8	64	-26.3	69.83	-32.3	67.46	-31.9	61.08	-25.1	57.93	-23.5	64.08	-27.4	60	-20.1
7/9/21	7:36	1451	79 °F Cloudy	936864	5,652,000	3895	936,864,000	17	229		65.08	-26.5	59.46	-21.4	67.02	-29.2	63.42	-26.0	66.78	-29.0	64.05	-26.4	69.89	-32.3	67.6	-32.1	61.18	-25.2	57.97	-23.5	64.37	-27.6	60.06	-20.2
7/12/21	8:19	4363	81 °F Cloudy	953385	16,521,000	3787	953,385,000	17	223		59.14	-20.5	59.32	-21.2	65.48	-27.7	63.5	-26.1	66.9	-29.1	64.12	-26.4	70.06	-32.5	67.67	-32.1	61.35	-25.3	58.05	-23.6	64.49	-27.8	60.38	-20.5
7/13/21	8:30	1451	79°F Partly Cloudy	958729	5,344,000	3683	958,729,000	16	230		59	-20.4	59.05	-21.0	65.13	-27.3	63.47	-26.1	67.03	-29.2	64.14	-26.5	71.11	-33.6	67.87	-32.3	61.6	-25.6	58.15	-23.7	64.9	-28.2	60.62	-20.7
7/14/21	7:12	1362	81°F Partly Cloudy	963701	4,972,000	3651	963,701,000	16	228		58.84	-20.2	58.95	-20.9	65.04	-27.3	63.44	-26.1	67.03	-29.2	64.14	-26.5	70.16	-32.6	67.9	-32.4	61.64	-25.6	58.15	-23.7	64.93	-28.2	60.71	-20.8
7/15/21	7:20	1448	78 °F Cloudy	968990	5,289,000	3653	968,990,000	16	228		58.67	-20.1	58.65	-20.6	65	-27.2	63.44	-26.1	67	-29.2	64.14	-26.5	70.21	-32.7	67.93	-32.4	62.66	-26.7	58.2	-23.7	65.21	-28.5	60.77	-20.9
7/16/21	8:28	1508	82°F Mostly Cloudy	974496	5,506,000	3651	974,496,000	16	228		62.37	-23.8	58.82	-20.7	64.9	-27.1	63.44	-26.1	67	-29.2	64.14	-26.5	70.26	-32.7	67.95	-32.4	61.67	-25.7	58.23	-23.8	65.22	-28.5	60.85	-21.0
7/19/21	7:58	4290	81°F Mostly Cloudy	990273	15,777,000	3678	990,273,000	16	230		61.16	-22.6	58.88	-20.8	64.99	-27.2	63.48	-26.1	67.04	-29.2	64.19	-26.5	70.36	-32.8	68.03	-32.5	61.75	-25.7	58.34	-23.9	65.65	-28.9	61.09	-21.2
7/20/21	7:18	1400	76°F Raining	995416	5,143,000	3674	995,416,000	16	230		61.12	-22.5	58.9	-20.8	64.85	-27.1	63.48	-26.1	67	-29.2	64.12	-26.4	70.33	-32.8	67.8	-32.3	61.57	-25.6	58.22	-23.7	65.3	-28.6	60.83	-20.9
7/21/21	7:18	1440	77°F Partly Cloudy	1000897	5,481,000	3806	1,000,897,000	17	224		61.7	-23.1	59.28	-21.2	65.14	-27.4	63.64	-26.3	67.12	-29.3	64.19	-26.5	70.43	-32.9	67.88	-32.3	61.63	-25.6	58.27	-23.8	65.39	-28.7	60.89	-21.0
7/22/21	7:34	1456	81 °F Hazy	1006431	5,534,000	3801	1,006,431,000	17	224		61.94	-23.3	59.43	-21.3	65.3	-27.5	63.76	-26.4	67.22	-29.4	64.24	-26.6	70.5	-32.9	67.88	-32.3	61.67	-25.7	58.28	-23.8	65.47	-28.7	60.94	-21.1
7/23/21	8:11	1477	83 °F SUNNY	1012047	5,616,000	3802	1,012,047,000	17	224		62.06	-23.5	59.54	-21.5	65.37	-27.6	63.8	-26.4	67.23	-29.4	63.9	-26.2	70.48	-32.9	67.85	-32.3	61.61	-25.6	58.25	-23.8	65.48	-28.8	60.96	-21.1
7/26/21	7:30	4279	76°F Partly Cloudy	1028295	16,248,000	3797	1,028,295,000	17	223		62.29	-23.7	59.72	-21.6	65.62	-27.8	64	-26.6	67.42	-29.6	64.3	-26.6	70.6	-33.0	67.87	-32.3	61.64	-25.6	58.24	-23.8	65.64	-28.9	61.07	-21.2
7/27/21	7:32	1442	76 °F Hazy	1033759	5,464,000	3789	1,033,759,000	17	223		62.35	-23.8	59.77	-21.7	65.69	-27.9	64.08	-26.7	67.47	-29.7	64.36	-26.7	70.63	-33.1	67.98	-32.4	61.7	-25.7	58.24	-23.8	65.68	-29.0	61.08	-21.2
7/28/21	7:57	1465	82°F Partly Cloudy	1039307	5,548,000	3787	1,039,307,000	17	223		62.47	-23.9	59.84	-21.8	65.76	-28.0	64.14	-26.8	67.54	-29.7	64.39	-26.7	70.68	-33.1	67.93	-32.4	61.7	-25.7	58.25	-23.8	65.59	-28.9	61.07	-21.2
7/29/21	7:44	1427	76°F Partly Cloudy	1044728	5,421,000	3799	1,044,728,000	17	223		62.5	-23.9	59.87	-21.8	65.83	-28.0	64.22	-26.8	67.69	-29.9	64.39	-26.7	70.75	-33.2	68.05	-32.5	61.74	-25.7	58.24	-23.8	65.62	-28.9	61.1	-21.2
7/30/21	8:47	1503	84°F Partly Cloudy °F	1050472	5,744,000	3822	1,050,472,000	17	225		62.5	-23.9	59.87	-21.8	65.84	-28.1	64.26	-26.9	67.73	-29.9	64.44	-26.8	70.81	-33.3	68.11	-32.6	61.82	-25.8	58.32	-23.8	65.49	-28.8	61.14	-21.3
8/1/21	12:09	3082	°F	1062246	11,774,000	3820	1,062,246,000	17	225																									
8/2/21	8:14	1205	85°F Sunny	1066838	4,592,000	3811	1,066,838,000	17	224		62.64	-24.0	59.98	-21.9	65.98	-28.2	64.42	-27.0	67.84	-30.0	64.6	-26.9	70.94	-33.4	68.18	-32.6	61.84	-25.8	58.36	-23.9	65.78	-29.1	61.22	-21.3
8/3/21	8:16	1442	77 °F Cloudy	1072332	5,494,000	3810	1,072,332,000	17	224		62.7	-24.1	60	-21.9	66.04	-28.3	64.49	-27.1	67.9	-30.1	64.64	-27.0	70.96	-33.4	68.19	-32.6	61.84	-25.8	58.37	-23.9	65.77	-29.0	61.26	-21.4
8/4/21	7:26	1390	77 °F Cloudy	1077622	5,290,000	3806	1,077,622,000	17	224		62.8	-24.2	60.08	-22.0	66.1	-28.3	64.54	-27.2	67.98	-30.2	64.69	-27.0	71	-33.4	68.28	-32.7	61.84	-25.8	58.4	-23.9	65.92	-29.2	61.32	-21.4
8/5/21	7:29	1443	70°F Partly Cloudy	1083099	5,477,000	3796	1,083,099,000	17	223		62.86	-24.3	60.14	-22.1	66.2	-28.4	64.63

KELLER

Plant Daniel ATB Pumps Running target El: 1

Date	Time	Elapsed Time (min)	Weather	Flow Totalizer (x1000 gal)	Daily Discharge (gal)	Flow Rate Avg (gpm)	Cumulative Discharge (gal)	# Wells Pumping	Avg. Flow Per Well (gpm)	Well ID:	P-1		P-2		P-3		P-4		P-5 (aka P-19)		P-6		P-7		P-8		P-9		P-10		P-11		P-12	
										Grade El:	38.6		38.09		37.79		37.39		37.82		37.68		37.56		35.55		36.01		34.48		36.73		39.89	
										Casing El:	40.97		40.72		40.4		39.97		40.87		40.09		39.57		38.53		38.75		38.47		38.99		41.31	
											Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)
8/11/21	7:46	1453	75°F PartlyCloudy	1115880	5,493,000	3780	1,115,880,000	17	222		63.27	-24.7	60.29	-22.2	66.47	-28.7	64.95	-27.6	67.92	-30.1	64.96	-27.3	71.39	-33.8	68.49	-32.9	62	-26.0	58.46	-24.0	65.93	-29.2	61.6	-21.7
8/12/21	7:37	1431	78°F Mostly Cloudy	1121169	5,289,000	3696	1,121,169,000	17	217		63.3	-24.7	60.32	-22.2	66.49	-28.7	64.48	-27.1	60.7	-22.9	64.92	-27.2	71.4	-33.8	68.5	-33.0	61.98	-26.0	58.44	-24.0	66.05	-29.3	61.6	-21.7
8/13/21	7:47	1450	77°F Mostly Cloudy	1126485	5,316,000	3666	1,126,485,000	17	216		63.43	-24.8	60.39	-22.3	66.5	-28.7	64.42	-27.0	60.62	-22.8	64.83	-27.2	69.57	-32.0	68.45	-32.9	61.96	-26.0	58.46	-24.0	66.07	-29.3	61.64	-21.8
8/16/21	9:28	4421	82°F Mostly Cloudy	1142653	16,168,000	3657	1,142,653,000	17	215		63.43	-24.8	60.42	-22.3	66.5	-28.7	64.4	-27.0	60.52	-22.7	64.67	-27.0	69.56	-32.0	68.58	-33.0	61.95	-25.9	58.39	-23.9	66.54	-29.8	61.75	-21.9
8/17/21	7:43	1335	72 Sunny	1147369	4,716,000	3533	1,147,369,000	17	208		63.42	-24.8	60.4	-22.3	64.28	-26.5	64.38	-27.0	60.45	-22.6	64.94	-27.3	65.75	-28.2	68.52	-33.0	61.88	-25.9	58.34	-23.9	66.52	-29.8	61.64	-21.8
8/18/21	7:30	1427	76 Sunny	1152396	5,027,000	3523	1,152,396,000	17	207		63.5	-24.9	60.42	-22.3	62.42	-24.6	64.37	-27.0	60.44	-22.6	64.64	-27.0	66.74	-29.2	68.54	-33.0	61.9	-25.9	58.37	-23.9	66.55	-29.8	61.71	-21.8
8/19/21	7:49	1459	77°F Partly Cloudy	1157033	4,637,000	3178	1,157,033,000	17	187		63.48	-24.9	60.27	-22.2	60.42	-22.6	58.84	-21.5	60.04	-22.2	59.5	-21.8	58.8	-21.2	68.23	-32.7	61.83	-25.8	58.3	-23.8	66.5	-29.8	61.65	-21.8
8/20/21	8:28	1479	80°F Mostly Cloudy	1161710	4,677,000	3162	1,161,710,000	17	186		63.36	-24.8	60.13	-22.0	59.96	-22.2	58.25	-20.9	59.8	-22.0	59	-21.3	57.65	-20.1	68.03	-32.5	61.85	-25.8	58.2	-23.7	66.36	-29.6	61.6	-21.7
8/23/21	8:25	4317	82°F Partly Cloudy	1175306	13,596,000	3149	1,175,306,000	17	185		63.28	-24.7	60	-21.9	59.5	-21.7	57.52	-20.1	59.33	-21.5	58.35	-20.7	56.86	-19.3	67.72	-32.2	61.76	-25.8	58.12	-23.6	66.37	-29.6	61.4	-21.5
8/24/21	7:38	1393	75 Sunny	1179630	4,324,000	3104	1,179,630,000	16	194		63.15	-24.6	59.95	-21.9	59.24	-21.5	57.31	-19.9	55.77	-18.0	58.12	-20.4	57.23	-19.7	67.45	-31.9	61.47	-25.5	58.2	-23.7	66.27	-29.5	61.63	-21.7
8/25/21	7:35	1437	78°F Partly Cloudy	1184029	4,399,000	3061	1,184,029,000	15	204		63	-24.4	59.82	-21.7	59.17	-21.4	57.31	-19.9	55.59	-17.8	58	-20.3	57.23	-19.7	67.78	-32.2	61.72	-25.7	58.41	-23.9	67.14	-30.4	62.08	-22.2
8/26/21	7:29	1434	75°F Partly Cloudy	1188255	4,226,000	2947	1,188,255,000	16	184		62.6	-24.0	59.89	-21.8	58.96	-21.2	57.07	-19.7	57.8	-20.0	57.84	-20.2	56.94	-19.4	67.76	-32.2	61.75	-25.7	58.43	-24.0	67.4	-30.7	62.12	-22.2
8/27/21	8:16	1487	79 Cloudy	1192708	4,453,000	2995	1,192,708,000	16	187		62.47	-23.9	59.45	-21.4	58.8	-21.0	56.76	-19.4	57.99	-20.2	57.72	-20.0	56.82	-19.3	67.77	-32.2	61.78	-25.8	58.35	-23.9	67.6	-30.9	62.19	-22.3
8/30/21	10:59	4483	76 ThunderStorm	1205766	13,058,000	2913	1,205,766,000	16	182		61.7	-23.1	58.9	-20.8	58.3	-20.5	56.34	-19.0	57.55	-19.7	57.34	-19.7	56.5	-18.9	67.38	-31.8	61.16	-25.2	57.64	-23.2	66.97	-30.2	60.8	-20.9
8/31/21	7:22	1223	79°F Partly Cloudy	1209366	3,600,000	2944	1,209,366,000	16	184		61.48	-22.9	58.74	-20.7	58.17	-20.4	56.24	-18.9	57.46	-19.6	57.24	-19.6	56.4	-18.8	67.07	-31.5	60.8	-24.8	57.3	-22.8	66.44	-29.7	60.44	-20.6
9/1/21	7:24	1442	78°F Mostly Cloudy	1213655	4,289,000	2974	1,213,655,000	16	186		61.42	-22.8	58.61	-20.5	58.13	-20.3	56.22	-18.8	57.32	-19.5	57.19	-19.5	56.42	-18.9	66.71	-31.2	60.47	-24.5	57.06	-22.6	66.01	-29.3	60.18	-20.3
9/2/21	7:36	1452	74°F Sunny	1217946	4,291,000	2955	1,217,946,000	16	185		61.32	-22.7	58.52	-20.4	58	-20.2	56.08	-18.7	57.28	-19.5	57.09	-19.4	56.39	-18.8	66.9	-31.4	60.49	-24.5	56.97	-22.5	65.76	-29.0	59.84	-20.0
9/3/21	7:37	1441	77 Sunny	1222425	4,479,000	3108	1,222,425,000	17	183		61.48	-22.9	58.67	-20.6	57.96	-20.2	56	-18.6	57.2	-19.4	57	-19.3	57.82	-20.3	66.5	-31.0	60	-24.0	56.58	-22.1	64.9	-28.2	59.16	-19.3
9/7/21	7:22	5745	75°F Cloudy	1239637	17,212,000	2996	1,239,637,000	16	187		61.33	-22.7	58.33	-20.2	57.57	-19.8	56.23	-18.8	56.72	-18.9	56	-18.3	56.49	-18.9	50.2	-14.7	58.9	-22.9	55.84	-21.4	64.7	-28.0	59	-19.1
9/8/21	7:44	1462	76°F LightRain	1244040	4,403,000	3012	1,244,040,000	16	188		61.25	-22.7	58.22	-20.1	57.39	-19.6	57.1	-19.7	56.72	-18.9	55.88	-18.2	56.75	-19.2	50.52	-15.0	59.05	-23.0	55.77	-21.3	63.88	-27.2	58.8	-18.9
9/9/21	7:16	1412	74°F Cloudy	1249829	5,789,000	4100	1,249,829,000	17	241		61.54	-22.9	61.7	-23.6	63.32	-25.5	68.77	-31.4	69.83	-32.0	62.3	-24.6	67.39	-29.8	66.08	-30.5	59.77	-23.8	55.98	-21.5	63.93	-27.2	58.84	-19.0
9/10/21	7:14	1438	63 Sunny	1255115	5,286,000	3676	1,255,115,000	16	230		61.82	-23.2	62	-23.9	64	-26.2	64.2	-26.8	58.4	-20.6	62.5	-24.8	65.79	-28.2	51	-15.5	59.23	-23.2	55.76	-21.3	63.95	-27.2	59	-19.1
9/13/21	7:34	4340	74°F Cloudy	1271984	16,869,000	3887	1,271,984,000	17	229		62.2	-23.6	62.4	-24.3	64.73	-26.9	64.86	-27.5	58.77	-21.0	63.48	-25.8	67.03	-29.5	66.46	-30.9	60.06	-24.1	56.16	-21.7	64.04	-27.3	59.39	-19.5
9/14/21	7:22	1428	77°F LightRain	1277506	5,522,000	3867	1,277,506,000	17	227		62.29	-23.7	62.5	-24.4	64.89	-27.1	65.05	-27.7	58.88	-21.1	63.83	-26.2	67.2	-29.6	66.53	-31.0	60.06	-24.1	56.26	-21.8	54.07	-17.3	59.46	-19.6
9/16/21	7:17	2875	76 Cloudy	1288580	11,074,000	3852	1,288,580,000	17	227		62.26	-23.7	62.16	-24.1	65.1	-27.3	65.1	-27.7	59.07	-21.3	63.92	-26.2	67.36	-29.8	66.4	-30.9	59.7	-23.7	55.87	-21.4	63.96	-27.2	58.74	-18.9
9/17/21	7:50	1473	83°F Cloudy	1294237	5,657,000	3840	1,294,237,000	17	226		62.31	-23.7	62.64	-24.6	65.2	-27.4	65.47	-28.1	59.14	-21.3	64.1	-26.4	67.5	-29.9	66.47	-30.9	59.65	-23.6	55.83	-21.4	63.9	-27.2	58.63	-18.7
9/20/21	7:35	4305	72°F PartlyCloudy	1310762	16,525,000	3839	1,310,762,000	17	226		62.1	-23.5	62.55	-24.5	65.3	-27.5	65.7	-28.3	59.27	-21.5	64.23	-26.6	67.69	-30.1	66.4	-30.9	59.28	-23.3	55.56	-21.1	63.33	-26.6	58.1	-18.2
9/21/21	7:26	1431	76°F Cloudy	1316250	5,488,000	3835	1,316,250,000	17	226		62.18	-23.6	62.94	-24.9	65.38	-27.6	65.88	-28.5	59.34	-21.5	64.36	-26.7	67.8	-30.2	66.42	-30.9	59.45	-23.4	55.55	-21.1	63.45	-26.7	58.1	-18.2
9/22/21	7:27	1441	74°F Cloudy	1321586	5,336,000	3703	1,321,586,000	17	218		61.92	-23.3	62.34	-24.3	65	-27.2	65.73	-28.3	61.54	-23.7	61.83	-24.2	62.88	-25.3	66.23	-30.7	59.58	-23.6	55.5	-21.0	63.33	-26.6	58.14	-18.3
9/23/21	7:22	1435	57°F Sunny	1326712	5,126,000	3572	1,326,712,000	17	210		61.69	-23.1	62.07	-24.0	61.96	-24.2	58.42	-21.0	61.03	-23.2	61.51	-23.8	62.55	-25.0	66.18	-30.6	59.62	-23.6	55.43	-21.0	63.29	-26.6	58.29	-18.4
9/24/21	7:33	1451	55°F Sunny	1331707	4,995,000	3442	1,331,707,000	16	215		60.4	-21.8	60.85	-22.8	60.82	-23.0	59.72	-22.3	60.43	-22.6	60.55	-22.9	61.34	-23.8	66	-30.5	59.49	-23.5	51	-16.5	63.38	-26.7	58.44	-18.6
9/27/21	7:41	4328	58°F Sunny	1346029	14,322,000	3309	1,346,029,000	16	207		60.3	-21.7	60.66	-22.6	60.55	-22.8	59.44	-22.1	60.16	-22.3	60.18	-22.5	61.05	-23.5	64.49	-28.9	58.9	-22.9	50.3	-15.8	63.1	-26.4	58.56	-18.7
9/28/21	7:56	1455	75°F Cloudy	1351012	4,983,000	3425	1,351,012,000	17	201		60.17	-21.6	60.6	-22.5	60.46	-22.7	59.34	-22.0	60.1	-22.3	60.06	-22.4	60.94	-23.4	64.04	-28.5	59.06	-23.1	59.29	-24.8	63.24	-26.5	58.6	-18.7
9/29/21	7:38	1422	74 Cloudy	1355655	4,643,000	3265	1,355,655,000	16	204		60.18	-21.6	60.6	-22.5	60.43	-22.6	59.3	-21.9	60.04	-22.2	60	-22.3	60.9	-23.3	63.95	-28.4	58.77	-22.8	50.34	-15.9	63.19	-26.5	58.67	-18.8
9/30/21	7:40	1442	75°F Cloudy	1360469	4,814,000	3338	1,360,469,000	17	196		60.12	-21.5	60.68	-22.6	60.39	-22.6	59.25	-21.9	59.99	-22.2	59.89	-22.2	60.74	-23.2	61.17	-25.6	59	-23.0	55.35	-20.9	63.53	-26.8	58.77	-18.9
10/1/21	7:34	1434	73°F MostlyCloudy	1365292	4,823,000	3363	1,365,292,000	17	198		60.07	-21.5	60.5	-22.4	60.33	-22.5	59.23	-21.8	59.94	-22.1	59.8	-22.1	60.67	-23.1	61.15	-25.6	59.29	-23.3	55.36	-20.9	63.6	-26.9	58.87	-19.0
10/4/21	7:57	4343	71 Thunderstorms	1379716	14,424,000	3321	1,379,716,000	17	195		59.9	-21.3	60.3	-22.2	60.13	-22.3	59	-21.6	59.7	-21.9	59.7	-22.0	60.34	-22.8	61	-25.5	59	-23.0	55.23	-20.8	63.6	-26.9	58.89	-19.0
10/5/21	7:57	1440	71°F Cloudy	1384550	4,834,000	3357	1,384,550,000	17	197		62.55	-24.0	60.25	-22.2	59.95	-22.2	59	-21.6	59.76	-21.9	59.43	-21.8	60.3	-22.7	60.76	-25.2	59.22	-23.2	55.26	-20.8	63.35	-26.6	58.76	-18.9
10/6/21	7:44	1427	71°F Cloudy	1389340	4,790,000	3357	1,389,340,000	17	197		62.69	-24.1	60.29	-22.2	60	-22.2	59	-21.6	59.75	-21.9	59.42	-21.7	60.3	-22.7	60.77	-25.2	59.26	-23.3	55.2	-20.7	63.43	-26.7	58.74	-18.9
10/7/21	7:25	1421	68°F Sunny	1393994	4,654,000	3275	1,393,994,000	16	205		62.62	-24.0	60.3	-22.2	60	-22.2	58.98	-21.6	59.69	-21.9	59.39	-21.7	60.2	-22.6	60.68	-25.1	59	-23.0	53.2	-18.7	63.37	-26.6	58.73	-18.8
10/8/21	7:38	1453	71°F Sunny	1398904	4,910,000	3379	1,398,904,000	17	199		62.39	-23.8	60.18	-22.1	59.9	-22.1	61.3	-23.9	59.8	-22.0	59.26	-21.6	60.13	-22.6	60.17	-24.6	59.14	-23.1	55.15	-20.7	63.42	-26.7	58.73	-18.8
10/11/21	7:35	4317	67°F Sunny	1413536	14,632,000	3389	1,413,536,000	17	199		62.44	-23.8	60.2	-22.1	59.94	-22.2	61.4	-24.0	60.5	-22.7	59.23	-21.6	60.08	-22.5	60.75	-25.2	59.06	-23.1	55.17	-20.7	63.55	-26.8	59	-19.1
10/12/21	8:20	1485	78°F Sunny	1418560	5,024,000	3383	1,418,560,000	17	199		62.45	-23.9	60.22	-22.1	60	-22.2	61.44	-24.1	60.53	-22.7	59.24	-21.6	60.12	-22.6	60.75	-25.2	59.22	-23.2	55.17	-20.7	63.59	-26.9	59.48	-19.6
10/13/21	8:08	1428	72°F Sunny	1423336	4,776,000	3345	1,423,336,000	17	197		62.43	-23.8	60.2	-22.1	60	-22.2	61.42	-24.0	60.41	-22.6	59.22	-21.5	60.1	-22.5	60.66	-25.1	59.11	-23.1	55.19	-20.7	63.75	-27.0	59.52	-19.6
10/14/21	7:55	1427	75°F Sunny	1428247	4,911,000	3441	1,428,247,000	17	202		62.6	-24.0	60.3	-22.2	59.93	-22.1	61.43	-24.0	60.64	-22.8	59.28	-21.6	60.1	-22.5	60.85	-25.3	59.48	-23.5	55.47	-21.0	63.85	-27.1	59.85	-20.0
10/18/21	8:06	5771	54°F Cloudy	1448000	19,753,000	3423	1,448,000,000	17	201		62.92	-24.3	60.53	-22.4	60.2	-22.4	61.34	-24.0	60.86	-23.0	59.48	-21.8	60.35	-22.8	61.12	-25.6	59.8	-23.8	55.52	-21.0	64.2	-27.5	60.73	-20.8
10/19/21	7:26	1400	65 Mostly Sunny	1452777	4,777,000	3412	1,452,777,000	17	201		62.89	-24.3	60.52	-22.4	60.18	-22.4	61.33	-23.9	60.84	-23.0	59.47	-21.8	60.33	-22.8	61.1	-25.6	59.5	-23.5	55.53	-21.1	64.2	-27.5	60.75	-20.9
10/20/21	7:19	1433	67°F Cloudy	1457658	4,881,000	3406	1,457,658,000	17	200		62.93	-24.3	60.55	-22.5	60.22	-22.4	61.36	-24.0	60.9	-23.1	59.5	-21.8	60.38	-22.8	61.13	-25.6	59.25	-23.2	55.58	-21.1	63.55	-26.8	60.83	-20.9
10/21/21	7:46	1467	74°F LightRain	1462625	4,967,000	3386	1,462,625,000	17	199		62.95	-24.4	60.7	-22.6	60.32	-22.5	60.52	-23.1	61	-23.2	59.8	-22.1	60.52	-23.0	61.22	-25.7	59.24	-23.2	55.55	-21.1	62.4	-25.7	60.73	-20.8
10/22/21	7:31	1425	70°F Cloudy	1467292	4,667,000	3275	1,467,292,000	17	193		60.1	-21.5	60.64	-22.6	60.36	-22.6	61.55	-24.2	61	-23.2	59.53	-21.9	60.4	-22.8	58.58	-23.0	59.15	-23.1	55.42	-20.9	59	-22.3	60.82	-20.9
10/25/21	8:24	4373	72 Cloudy	1480788	13,496,000	3086	1,480,788,000	16	193		60.2	-21.6	60.7	-22.6	60.43	-22.6	61.64	-24.3	61	-23.2	59.52	-21.8	60.42	-22.9	59.23	-23.7	59.46	-23.5	50.52	-16.0	59.42	-22.7	60.73	-20.8
10/26/21	7:39	1395	60 Sunny	1485367	4,579,000	3282	1,485,367,000	17	193		60.26	-21.7	60.77	-22.7	60.42	-22.6	61.66	-24.3	61.04	-23.2	59.54	-21.9	60.48	-22.9	59.44	-23.9	58.9	-22.9	55.42	-20.9	59.74	-23.0	60.8	-20.9
10/27/21	7:45	1446	58°F Mostly Cloudy	1490171	4,804,000	3322	1,490,171,000	17	195		60.05	-21.5	60.66	-22.6	60.33	-22.5	61.51	-24.1	60.94	-23.1	59.56	-21.9	60.52	-23.0	60.84	-25.3	59.24	-23.2	55.63	-21.2	59.44	-22.7	60.88	-21.0
10/28/21	7:58	1453	66 Sunny	1494990	4,819,000	3317	1,494,990,000	17	195		60	-21.4	60.63	-22.5	60.39	-22.6	61.61	-24.2	61	-23.2	59.6	-21.9	60.55	-23.0	60.84	-25.3	59.33	-23.3	55.55	-21.1	59.55	-22.8	60.82	-20.9
11/1/21	7:30	5732	50 Cloudy	1512234	17,244,000	3008	1,512,234,000	17	177		59.76	-21.2	60.42	-22.3	60.16	-22.4	61.05	-23.7	60.81	-23.0	59.48	-21.8	59.94	-22.4	60.82	-25.3	59.16	-23.2	55.16	-20.7	59.48	-22.8	61.05	-21.2
11/2/21	7:58	1468	54°F Sunny	1517140	4,906,000	3342	1,517,140,000	17	197		59.84	-21.2	60.45	-22.4	60.16	-22.4	61.16	-23.8	60.9	-23.1	59.54	-21.9	60	-22.4	60.83	-25.3	59.22	-23.2	55.62	-21.1	59.8	-23.1	61.12	-21.2
11/3/21	8:30	1472	52°F MostlySunny	1522050	4,910,000	3336	1,522,050,000	17	196		59.94	-21.3	60.58	-22.5	60.23	-22.4	61.27	-23.9	60.98	-23.2	59.6	-21.9	60	-22.4	60.9	-25.4	59.25	-23.2	55.62	-21.1	59.92	-23.2	61.16	-21.3
11/4/21	8:39	1449	52°F Cloudy	1527041	4,991,000	3444	1,527,041,000	17	203		61.1	-22.5	61.72	-23.6	61.22	-23.4	62.63	-25.2	61.8	-24.0	60.54	-22.9	61.23	-23.7	61.05	-25.5	59.6	-23.6	55.72	-21.2	60	-23.3	61.18	-21.3
11/5/21	8:57	1458	55°F Cloudy	1532054	5,013,000	3438	1,532,054,000	17	202		61.47	-22.9	61.85	-23.8	61.4	-23.6	62.83	-25.4	61.93	-24.1	60.66	-23.0	60.37	-22.8	61.11	-25.6	59.45	-23.4	55.76	-21.3	60.1	-23.4	61.23	-21.3
11/8/21	8:15	4278	53 Sunny	1546750	14,696,000	3435	1,546,750,000	16	215		61.6	-23.0	62.2	-24.1	61.8	-24.0	62.8	-25.4	62.25	-24.4	60.96	-23.3	61.67	-24.1	61.16	-25.6	59.3	-23.3	54.73	-20.3	60	-23.3	61.32	-21.4
11/9/21	8:07	1432	55 Sunny	1551480	4,730,000	3303	1,551,480,000	16	206		61.66	-23.1	62.25	-24.2	61.84	-24.1	63.45	-26.1	62.3	-24.5	61	-23.3	61.7	-24.1	61.2	-25.7	59.2	-23.2	51.25	-16.8	59.97	-23.2	61.36	-21.5
11/10/21	8:06	1439	59°F Mostly Cloudy	1556388	4,908,000	3411	1,556,388,000	17	201		61.7	-23.1	62.32	-24.2	61.9	-24.1	63.52	-26.1	62.38	-24.6	61.05	-23.4	61.73	-24.2	61.33	-25.8	59.58	-23.6	55.84	-21.4	60.3	-23.6	61.4	-21.5
11/11/21	8:00	1434	69°F PartlyCloudy	1561124	4,736,000	3303	1,561,124,000	16	206		61.77	-23.2	62.35	-24.3	61.92	-24.1	59.14	-21.8	62.14	-24.3	61.1	-23.4	61.82	-24.3	61.3	-25.8	59.6	-23.6	55.95	-21.5	60.4	-23.7	61.52	-21.6
11/15/21	8:06	5766	52°F Sunny	1579370	18,246,000	3164	1,579,370,000	16	198		62	-23.4	62.62	-24.5	62.12	-24.3	58.82	-21.4	62.3	-24.5	61.2	-23.5	59.82	-22.3	61.33	-25.8	59.33	-23.3	51.08	-16.6	61.1	-24.4	62.64	-22.8
11/16/21	8:09	1443	56°F Sunny	1583578	4,208,000	2916	1,583,578,000	15	194		62.06	-23.5	62.69	-24.6	62.16	-24.4	58.88	-21.5	62.29	-24.5	61.2	-23.5	59.8	-22.2	61.3	-25.8	59.27	-23.3	50.95	-16.5	59.97	-23.2	52.32	-12.4
11/17/21	8:24	1455	65 Sunny	1587885	4,307,000	2960	1,587,885,000	15	197		62.1	-23.5	62.69	-24.6	62.63	-24.8	58.8	-21.4	62.28	-24.5	61.18	-23.5	59.83	-22.3	61.26	-25.7	59.29	-23.3	51.05	-16.6	59.79	-23.1	52.32	-12.4
11/18/21	7:58	1414	65°F Sunny	1592551	4,666,000	3300	1,592,551,000	17	194		62.05	-23.5	62.62	-24.5	62.22	-24.4	61.1	-23.7	62.5	-24.7	61.25	-23.6	59.88	-22.3	61.42	-25.9	59.62	-23.6	55.84	-21.4	60.19	-23.5	61.7	-21.8
11/19/21	8:11	1453	52°F MostlySunny	1597340	4,789,000	3296	1,597,340,000	17	194		62.17	-23.6	62.73	-24.6	62.32	-24.5	61.22	-23.8	62.56	-24.7	61.25	-23.6	59.94	-22.4	61.5	-26.0	59.58	-23.6	56.07	-21.6	60.42	-23.7	61.8	-21.9
11/22/21	9:16	4385	57°F Sunny	1611746	14,406,000	3285	1,611,746,000	17	193		62.14	-23.5	62.72	-24.6	62.4	-24.6	61.32	-23.9	62.64	-24.8	61.32	-23.6	60	-22.4	61.6	-26.1	60.1	-24.1	56.19	-21.7	59.9	-23.2	61.82	-21.9
11/23/21	8:10	1374	47°F Sunny	1616260	4,514,000	3285	1,616,260,000	17	193		61.95	-23.4	62.74	-24.7	62.46	-24.7	61.59	-24.2	62.68	-24.9	61.38	-23.7	60.07	-22.5	61.7	-26.2	59.75	-23.7	56.34	-21.9	60.1	-23.4	61.96	-22.1
11/24/21	7:29	1399	51 Sunny	1620851	4,591,000	3282	1,620,851,000	17	193		62	-23.4	62.77	-24.7	62.5	-24.7	61.6	-24.2	62.7	-24.9	61.39	-23.7	60.1	-22.5	61.7	-26.2	59.74	-23.7	56.37	-21.9	60.22	-23.5	62.05	-22.2
11/29/21	8:23	7254	48°F Sunny	1644569	23,718,000	3270	1,644,569,000	17	192		62.14	-23.5	62.9	-24.8	62.73	-24.9	61.9	-24.5	62.9	-25.1	61.57	-23.9	60.3	-22.7	61.83	-26.3	59.58	-23.6	57.6	-23.1	60.1	-23.4	62.14	-22.3
12/1/

Plant Daniel ATB Pumps Running target El: 1

Date	Time	Elapsed Time (min)	Weather	Flow Totalizer (x1000 gal)	Daily Discharge (gal)	Flow Rate Avg (gpm)	Cumulative Discharge (gal)	# Wells Pumping	Avg. Flow Per Well (gpm)	Well ID:	P-1		P-2		P-3		P-4		P-5 (aka P-19)		P-6		P-7		P-8		P-9		P-10		P-11		P-12	
										Grade El:	38.6		38.09		37.79		37.39		37.82		37.68		37.56		35.55		36.01		34.48		36.73		39.89	
										Casing El:	40.97		40.72		40.4		39.97		40.87		40.09		39.57		38.53		38.75		38.47		38.99		41.31	
											Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)
12/9/21	7:45	1363	54 °F Cloudy	1691082	4,418,000	3241	1,691,082,000	17	191		62.62	-24.0	63.29	-25.2	63.1	-25.3	62.45	-25.1	63.48	-25.7	61.92	-24.2	60.67	-23.1	62.17	-26.6	60.12	-24.1	56.6	-22.1	60.93	-24.2	62.46	-22.6
12/10/21	7:59	1454	74°F PartlyCloudy	1695802	4,720,000	3246	1,695,802,000	17	191		62.6	-24.0	63.29	-25.2	63.12	-25.3	62.54	-25.2	63.46	-25.6	61.95	-24.3	60.65	-23.1	62.18	-26.6	60.35	-24.3	56.58	-22.1	61.44	-24.7	62.44	-22.6
12/13/21	8:31	4352	54 °F Sunny	1709924	14,122,000	3245	1,709,924,000	17	191		62.83	-24.2	63.45	-25.4	63.35	-25.6	62.77	-25.4	63.65	-25.8	62.14	-24.5	60.9	-23.3	62.35	-26.8	60.29	-24.3	56.62	-22.1	61.03	-24.3	62.58	-22.7
12/14/21	9:06	1475	65 °F Cloudy	1714707	4,783,000	3243	1,714,707,000	17	191		62.9	-24.3	63.5	-25.4	63.42	-25.6	62.8	-25.4	63.69	-25.9	62.16	-24.5	60.92	-23.4	62.37	-26.8	60.26	-24.3	56.6	-22.1	61.07	-24.3	62.6	-22.7
12/15/21	7:25	1339	58°F MostlyCloudy	1719043	4,336,000	3238	1,719,043,000	17	190		62.93	-24.3	63.48	-25.4	63.39	-25.6	62.8	-25.4	63.7	-25.9	62.15	-24.5	60.92	-23.4	62.34	-26.8	60.28	-24.3	56.56	-22.1	61.1	-24.4	62.62	-22.7
12/16/21	8:25	1500	62°F PartlyCloudy	1723898	4,855,000	3237	1,723,898,000	17	190		62.89	-24.3	62.53	-24.4	63.43	-25.6	62.85	-25.5	63.72	-25.9	62.19	-24.5	60.94	-23.4	62.42	-26.9	60.18	-24.2	56.57	-22.1	61.16	-24.4	62.62	-22.7
12/17/21	8:29	1444	69 °F Cloudy	1728568	4,670,000	3234	1,728,568,000	17	190		62.97	-24.4	62.57	-24.5	63.52	-25.7	62.93	-25.5	63.77	-26.0	62.24	-24.6	61	-23.4	62.44	-26.9	60.09	-24.1	56.56	-22.1	61.22	-24.5	62.65	-22.8
12/20/21	9:32	4383	45 °F Cloudy	1742712	14,144,000	3227	1,742,712,000	17	190		63.08	-24.5	63.67	-25.6	63.64	-25.9	63.1	-25.7	63.9	-26.1	62.27	-24.6	61.05	-23.5	62.45	-26.9	60.59	-24.6	56.4	-21.9	60.45	-23.7	62.6	-22.7
12/21/21	8:52	1400	47 °F Cloudy	1747230	4,518,000	3227	1,747,230,000	17	190		63	-24.4	63.6	-25.5	63.52	-25.7	63	-25.6	63.82	-26.0	62.33	-24.7	61.1	-23.5	62.44	-26.9	60.54	-24.5	56.43	-22.0	60.62	-23.9	62.6	-22.7
12/22/21	7:58	1386	41 °F Sunny	1751700	4,470,000	3225	1,751,700,000	17	190		63.14	-24.5	63.7	-25.6	63.64	-25.9	63.1	-25.7	63.92	-26.1	62.42	-24.7	61.22	-23.7	62.55	-27.0	60.6	-24.6	56.5	-22.0	60.62	-23.9	62.64	-22.8
12/23/21	9:21	1523	49 °F Sunny	1756607	4,907,000	3222	1,756,607,000	17	190		63.2	-24.6	63.74	-25.7	63.74	-26.0	63.2	-25.8	63.98	-26.2	62.48	-24.8	61.27	-23.7	62.6	-27.1	60.59	-24.6	56.53	-22.1	60.83	-24.1	62.72	-22.8
12/28/21	7:31	7090	73°F PartlyCloudy	1779389	22,782,000	3213	1,779,389,000	17	189		63.2	-24.6	63.77	-25.7	63.83	-26.0	63.27	-25.9	64	-26.2	62.55	-24.9	61.36	-23.8	62.7	-27.2	60.6	-24.6	56.47	-22.0	60.38	-23.7	62.73	-22.8
12/29/21	8:17	1486	74 °F Cloudy	1784146	4,757,000	3201	1,784,146,000	17	188		63.35	-24.8	63.85	-25.8	63.93	-26.1	63.37	-26.0	64.12	-26.3	62.63	-25.0	61.44	-23.9	62.73	-27.2	60.13	-24.1	56.47	-22.0	60.27	-23.5	62.79	-22.9
12/30/21	7:21	1384	73 °F LightRain	1788572	4,426,000	3198	1,788,572,000	17	188		63.36	-24.8	63.9	-25.8	64	-26.2	63.4	-26.0	64.13	-26.3	62.67	-25.0	61.48	-23.9	62.76	-27.2	60.15	-24.1	56.48	-22.0	61.16	-24.4	62.72	-22.8
1/1/22	10:32	3071	°F	1798366	9,794,000	3189	1,798,366,000	17	188																									
1/3/22	9:27	2815	41 °F Sunny	1807320	8,954,000	3181	1,807,320,000	17	187		63.62	-25.0	64.09	-26.0	64.18	-26.4	63.64	-26.3	64.1	-26.3	62.84	-25.2	61.72	-24.2	62.85	-27.3	60.62	-24.6	56.5	-22.0	61.18	-24.5	62.82	-22.9
1/4/22	8:09	1362	34 °F Cloudy	1811630	4,310,000	3164	1,811,630,000	17	186		63.42	-24.8	63.93	-25.8	64	-26.2	63.5	-26.1	64	-26.2	62.73	-25.1	61.62	-24.1	62.75	-27.2	60.05	-24.0	56.46	-22.0	61.18	-24.5	62.8	-22.9
1/5/22	7:48	1419	48 °F Cloudy	1816123	4,493,000	3166	1,816,123,000	17	186		63.26	-24.7	63.84	-25.8	63.94	-26.2	63.42	-26.0	63.94	-26.1	62.67	-25.0	61.53	-24.0	62.69	-27.1	60.27	-24.3	56.38	-21.9	61.23	-24.5	62.78	-22.9
1/6/22	7:56	1448	62°F PartlyCloudy	1820801	4,678,000	3231	1,820,801,000	17	190		63.3	-24.7	63.88	-25.8	64	-26.2	63.49	-26.1	63.99	-26.2	62.7	-25.0	61.6	-24.0	62.69	-27.1	60.55	-24.5	56.38	-21.9	61.18	-24.5	62.7	-22.8
1/7/22	7:59	1443	38 °F Sunny	1825473	4,672,000	3238	1,825,473,000	17	190		63.55	-25.0	64.09	-26.0	64.26	-26.5	63.74	-26.4	64.24	-26.4	62.9	-25.2	61.82	-24.3	62.82	-27.3	60.62	-24.6	56.47	-22.0	61.26	-24.5	62.76	-22.9
1/10/22	8:18	4339	47 °F Cloudy	1839497	14,024,000	3232	1,839,497,000	17	190		63.66	-25.1	64.2	-26.1	64.39	-26.6	63.82	-26.4	64.26	-26.4	63	-25.3	61.9	-24.3	62.95	-27.4	60.55	-24.5	56.45	-22.0	61.2	-24.5	62.8	-22.9
1/11/22	8:17	1439	40 °F Sunny	1844136	4,639,000	3224	1,844,136,000	17	190		63.65	-25.1	64.15	-26.1	64.33	-26.5	63.77	-26.4	64.23	-26.4	62.94	-25.3	61.9	-24.3	62.92	-27.4	60.5	-24.5	56.43	-22.0	61.22	-24.5	62.84	-23.0
1/12/22	7:30	1393	41 °F Cloudy	1848639	4,503,000	3233	1,848,639,000	17	190		63.57	-25.0	64.06	-26.0	64.22	-26.4	63.7	-26.3	64.17	-26.4	62.86	-25.2	61.75	-24.2	62.88	-27.3	60.67	-24.7	56.58	-22.1	60.56	-23.8	62.75	-22.9
1/13/22	7:06	1416	32 °F Sunny	1853225	4,586,000	3239	1,853,225,000	17	191		63.62	-25.0	64.1	-26.0	64.24	-26.5	63.7	-26.3	64.33	-26.5	62.89	-25.2	61.79	-24.2	62.86	-27.3	60.67	-24.7	56.59	-22.1	60.56	-23.8	62.83	-22.9
1/14/22	7:33	1467	40 °F Sunny	1857977	4,752,000	3239	1,857,977,000	17	191		63.65	-25.1	64.19	-26.1	64.42	-26.6	63.84	-26.5	64.42	-26.6	62.99	-25.3	61.9	-24.3	63	-27.5	60.74	-24.7	56.67	-22.2	60.46	-23.7	62.9	-23.0
1/17/22	7:33	4320	35 °F Sunny	1872001	14,024,000	3246	1,872,001,000	17	191		63.94	-25.3	64.4	-26.3	64.66	-26.9	64.15	-26.8	64.6	-26.8	63.2	-25.5	62.12	-24.6	63.13	-27.6	60.72	-24.7	56.75	-22.3	61.27	-24.5	63.06	-23.2
1/18/22	7:16	1423	27 °F Sunny	1876615	4,614,000	3242	1,876,615,000	17	191		64	-25.4	64.46	-26.4	64.72	-26.9	64.23	-26.8	64.67	-26.9	63.25	-25.6	62.17	-24.6	63.16	-27.6	60.73	-24.7	56.78	-22.3	61.25	-24.5	63.1	-23.2
1/19/22	8:06	1490	61 °F Cloudy	1881436	4,821,000	3236	1,881,436,000	17	190		63.94	-25.3	64.36	-26.3	64.69	-26.9	64.2	-26.8	64.64	-26.8	63.22	-25.5	62.15	-24.6	63.11	-27.6	60.67	-24.7	56.74	-22.3	61.2	-24.5	63.28	-23.4
1/20/22	8:42	1476	58°F Raining	1886208	4,772,000	3233	1,886,208,000	17	190		63.8	-25.2	64.5	-26.4	64.8	-27.0	64.3	-26.9	64.75	-26.9	63.29	-25.6	62.19	-24.6	63.17	-27.6	60.6	-24.6	56.75	-22.3	61.26	-24.5	63.1	-23.2
1/21/22	7:37	1375	34°F Light Rain	1890625	4,417,000	3212	1,890,625,000	17	189		63.76	-25.2	64.43	-26.3	64.76	-27.0	64.29	-26.9	64.74	-26.9	63.27	-25.6	62.2	-24.6	63.17	-27.6	60.53	-24.5	56.75	-22.3	61.32	-24.6	63.05	-23.2
1/24/22	7:29	4312	27°F MostlyCloudy	1904417	13,792,000	3199	1,904,417,000	17	188		63.7	-25.1	64.4	-26.3	64.75	-27.0	64.3	-26.9	64.72	-26.9	63.26	-25.6	62.2	-24.6	63.13	-27.6	60.44	-24.4	56.66	-22.2	61.43	-24.7	63.05	-23.2
1/25/22	7:37	1448	49°F Light Rain	1909049	4,632,000	3199	1,909,049,000	17	188		63.68	-25.1	64.45	-26.4	64.72	-26.9	64.34	-27.0	64.93	-27.1	63.3	-25.6	62.2	-24.6	63.11	-27.6	60.9	-24.9	56.66	-22.2	60.7	-24.0	63	-23.1
1/26/22	8:17	1480	40 °F Sunny	1913807	4,758,000	3215	1,913,807,000	17	189		63.94	-25.3	64.7	-26.6	65.05	-27.3	64.63	-27.2	65.16	-27.3	63.57	-25.9	62.44	-24.9	63.35	-27.8	61.06	-25.1	56.78	-22.3	60.78	-24.1	63	-23.1
1/27/22	7:33	1396	30 °F Sunny	1918305	4,498,000	3222	1,918,305,000	17	190		63.9	-25.3	64.62	-26.5	64.96	-27.2	64.6	-27.2	65.1	-27.3	63.5	-25.8	62.3	-24.7	63.21	-27.7	60.93	-24.9	56.69	-22.2	60.54	-23.8	63.06	-23.2
1/28/22	8:50	1517	46 °F Cloudy	1923211	4,906,000	3234	1,923,211,000	17	190		63.9	-25.3	64.64	-26.6	65	-27.2	64.64	-27.3	65.13	-27.3	63.55	-25.9	63.35	-25.8	63.29	-27.7	61	-25.0	56.9	-22.4	60.6	-23.9	63.11	-23.2
1/31/22	8:33	4303	42°F PartlyCloudy	1937143	13,932,000	3238	1,937,143,000	17	190		63.65	-25.1	64.72	-26.6	64.89	-27.1	64.97	-27.6	65.39	-27.6	63.97	-26.3	63.8	-26.2	65.54	-30.0	61.18	-25.2	57.26	-22.8	64.42	-27.7	63.43	-23.5
2/1/22	8:07	1414	58°F PartlyCloudy	1941577	4,434,000	3136	1,941,577,000	17	184		68.53	-29.9	55.55	-17.5	64.42	-26.6	64.6	-27.2	65.2	-27.4	63.8	-26.1	63.64	-26.1	65.62	-30.1	61.1	-25.1	57.29	-22.8	64.73	-28.0	63.53	-23.6
2/2/22	7:57	1430	64°F LightRain	1946087	4,510,000	3154	1,946,087,000	16	197		68.3	-29.7	55.44	-17.4	64.28	-26.5	64.55	-27.2	65.18	-27.4	63.82	-26.1	63.65	-26.1	65.55	-30.0	60.99	-25.0	57.28	-22.8	64.77	-28.0	63.85	-24.0
2/3/22	7:32	1415	67 °F Cloudy	1950568	4,481,000	3167	1,950,568,000	16	198		68.19	-29.6	55.4	-17.3	64.22	-26.4	64.53	-27.1	65.13	-27.3	63.86	-26.2	63.72	-26.2	65.54	-30.0	60.9	-24.9	57.2	-22.7	64.62	-27.9	63.7	-23.8
2/4/22	10:09	1597	42 °F Cloudy	1955998	5,430,000	3400	1,955,998,000	17	200		68.38	-29.8	64.24	-26.2	64.75	-27.0	64.75	-27.4	65.23	-27.4	64.05	-26.4	64.6	-27.0	67.34	-31.8	61.3	-25.3	57.22	-22.7	64.08	-27.4	63.52	-23.6
2/7/22	9:37	4288	45 °F Cloudy	1970609	14,611,000	3407	1,970,609,000	17	200		66.5	-27.9	64.42	-26.3	64.94	-27.2	64.72	-27.3	65	-27.2	64	-26.3	63.63	-26.1	67.15	-31.6	61.12	-25.1	57.12	-22.6	63.86	-27.1	63.24	-23.4
2/8/22	8:22	1365	38°F PartlyCloudy	1975245	4,636,000	3396	1,975,245,000	17	200		66.62	-28.0	64.5	-26.4	65	-27.2	64.78	-27.4	65.06	-27.2	64.07	-26.4	64.74	-27.2	67.15	-31.6	61.1	-25.1	57.08	-22.6	63.98	-27.3	63.2	-23.3
2/9/22	8:20	1438	38 °F Sunny	1980115	4,870,000	3387	1,980,115,000	17	199		66.6	-28.0	64.5	-26.4	65	-27.2	64.74	-27.4	65.07	-27.3	64.08	-26.4	64.7	-27.1	67.13	-31.6	61.05	-25.0	57	-22.5	63.95	-27.2	63.2	-23.3
2/10/22	7:59	1419	41 °F Sunny	1984912	4,797,000	3381	1,984,912,000	17	199		66.65	-28.1	64.54	-26.5	65.08	-27.3	64.83	-27.4	65.12	-27.3	64.12	-26.4	64.77	-27.2	67.18	-31.6	61.09	-25.1	57.1	-22.6	63.99	-27.3	63.15	-23.3
2/14/22	7:57	5758	37 °F Sunny	2004296	19,384,000	3366	2,004,296,000	17	198		66.87	-28.3	64.7	-26.6	65.28	-27.5	65	-27.6	65.22	-27.4	64.29	-26.6	64.96	-27.4	67.46	-31.9	61.3	-25.3	57.23	-22.8	64.19	-27.5	63.48	-23.6
2/15/22	7:43	1426	32 °F Sunny	2009087	4,791,000	3360	2,009,087,000	17	198		66.53	-27.9	64.72	-26.6	65.24	-27.5	65.15	-27.8	65.1	-27.3	64.3	-26.6	64.95	-27.4	67.46	-31.9	61.42	-25.4	57.23	-22.8	64.4	-27.7	63.55	-23.7
2/16/22	7:45	1442	58°F PartlyCloudy	2013927	4,840,000	3356	2,013,927,000	17	197		66.4	-27.8	64.64	-26.6	65.17	-27.4	65.08	-27.7	65.05	-27.2	64.24	-26.6	64.92	-27.4	67.43	-31.9	61.36	-25.4	57.26	-22.8	64.32	-27.6	63.55	-23.7
2/17/22	7:45	1440	67 °F Cloudy	2018749	4,822,000	3349	2,018,749,000	17	197		66.43	-27.8	64.67	-26.6	65.2	-27.4	65.13	-27.7	65.17	-27.4	64.24	-26.6	64.93	-27.4	67.34	-31.8	61.3	-25.3	57.24	-22.8	64.19	-27.5	63.62	-23.7
2/18/22	8:46	1501	50 °F Cloudy	2023769	5,020,000	3344	2,023,769,000	17	197		66.67	-28.1	64.9	-26.8	65.46	-27.7	65.4	-28.0	65.34	-27.5	64.84	-27.2	65.15	-27.6	67.6	-32.1	61.46	-25.5	57.38	-22.9	64.36	-27.6	63.74	-23.9
2/21/22	7:54	4268	64°F MostlyCloudy	2038089	14,320,000	3355	2,038,089,000	17	197		66.63	-28.0	64.84	-26.8	65.43	-27.6	65.38	-28.0	65.19	-27.4	64.43	-26.8	65.1	-27.5	67.6	-32.1	61.46	-25.5	57.4	-22.9	64.57	-27.8	63.85	-24.0
2/22/22	7:44	1430	71 °F Cloudy	2042900	4,811,000	3364	2,042,900,000	17	198		66.54	-27.9	64.82	-26.7	65.43	-27.6	65.23	-27.8	65.34	-27.5	64.44	-26.8	65.17	-27.6	67.58	-32.0	61.68	-25.7	57.32	-22.8	65.07	-28.3	63.83	-23.9
2/23/22	7:46	1442	66 °F Cloudy	2047753	4,853,000	3365	2,047,753,000	17	198		66.66	-28.1	64.92	-26.8	65.49	-27.7	65.34	-28.0	65.43	-27.6	64.55	-26.9	65.26	-27.7	67.64	-32.1	61.7	-25.7	57.36	-22.9	65.1	-28.4	63.93	-24.0
2/24/22	8:12	1466	69 °F Cloudy	2052674	4,921,000	3357	2,052,674,000	17	197		66.67	-28.1	64.9	-26.8	65.54	-27.8	65.35	-28.0	65.44	-27.6	64.55	-26.9	65.28	-27.7	67.67	-32.1	61.63	-25.6	57.38	-22.9	64.98	-28.3	63.96	-24.1
2/25/22	8:08	1436	59 °F Cloudy	2057487	4,813,000	3352	2,057,487,000	17	197		66.85	-28.3	65.06	-27.0	65.74	-28.0	65.54	-28.2	65.57	-27.8	64.67	-27.0	65.42	-27.9	67.8	-32.3	61.68	-25.7	57.44	-23.0	65.08	-28.4	64.1	-24.2
2/28/22	7:15	4267	46°F MostlyCloudy	2071396	13,909,000	3260	2,071,396,000	16	204		66.23	-27.6	64.7	-26.6	65.6	-27.8	65.55	-28.2	65.56	-27.7	64.72	-27.0	65.5	-27.9	67.8	-32.3	61.72	-25.7	57.47	-23.0	65.42	-28.7	64.8	-24.9
3/1/22	7:43	1468	41 °F MostlyCloudy	2076254	4,858,000	3309	2,076,254,000	17	195		66.73	-28.1	65	-26.9	65.74	-28.0	65.6	-28.2	65.92	-28.1	64.73	-27.1	65.52	-28.0	67.8	-32.3	61.76	-25.8	57.42	-22.9	65.42	-28.7	64.28	-24.4
3/2/22	8:32	1489	61°F MostlySunny	2081167	4,913,000	3300	2,081,167,000	17	194		66.86	-28.3	65.1	-27.0	65.82	-28.0	65.7	-28.3	65.65	-27.8	64.8	-27.1	65.56	-28.0	67.84	-32.3	61.77	-25.8	57.42	-22.9	65.6	-28.9	64.32	-24.4
3/3/22	7:41	1389	43 °F Cloudy	2085732	4,565,000	3287	2,085,732,000	17	193		66.9	-28.3	65.15	-27.1	65.85	-28.1	65.72	-28.3	65.68	-27.9	64.8	-27.1	65.58	-28.0	67.84	-32.3	61.87	-25.9	57.46	-23.0	65.66	-28.9	64.43	-24.5
3/4/22	7:54	1453	57 °F Sunny	2090501	4,769,000	3282	2,090,501,000	17	193		66.92	-28.3	65.16	-27.1	65.87	-28.1	65.75	-28.4	65.78	-28.0	64.85	-27.2	65.43	-27.9	67.9	-32.4	62	-26.0	57.52	-23.0	64.97	-28.2	64.44	-24.6
3/7/22	7:54	4320	74°F Raining	2104645	14,144,000	3274	2,104,645,000	17	193		67	-28.4	65.22	-27.1	65.99	-28.2	65.83	-28.4	65.84	-28.0	64.9	-27.2	65.62	-28.1	67.96	-32.4	61.8	-25.8	57.56	-23.1	66.1	-29.4	64.5	-24.6
3/8/22	8:43	1489	58°F Raining	2109505	4,860,000	3264	2,109,505,000	17	192		67.07	-28.5	65.28	-27.2	66.06	-28.3	65.9	-28.5	65.92	-28.1	64.94	-27.3	65.65	-28.1	67.98	-32.4	61.82	-25.8	57.57	-23.1	66.22	-29.5	64.53	-24.6
3/9/22	9:01	1458	51 °F Cloudy	2114270	4,765,000	3268	2,114,270,000	17	192		67.14	-28.5	65.4	-27.3	66.2	-28.4	66	-28.6	66	-28.2	65.05	-27.4	65.75	-28.2	68	-32.5	61.87	-25.9	57.6	-23.1	66.44	-29.7	64.28	-24.4
3/10/22	7:45	1364	51 °F Cloudy	2118721	4,451,000	3263	2,118,721,000	17	192		67.13	-28.5	65.34	-27.3	66.15	-28.4	65.98	-28.6	66	-28.2	65	-27.3	65.73	-28.2	67.95	-32.4	61.78	-25.8	57.48	-23.0	66.52	-29.8	64.3	-24.4
3/11/22	7:41	1436	63°F Light Rain	2123408	4,687,000	3264	2,123,408,000	17	192		67.1	-28.5	65.3	-27.2	66.1	-28.3	65.94	-28.6	65.96	-28.1	65	-27.3	65.73	-28.2	67.9	-32.4	61.7	-25.7	57.37	-22.9	66.5	-29.8	64.15	-24.3
3/14/22	8:05	4344	73 °F Sunny	2137292	13,884,000	3196	2,137,292,000	17	188		67.1	-28.5	65.32	-27.2	66.14	-28.4	66	-28.6	66	-28.2	65	-27.3	65.74	-28.2	67.83	-32.3	61.64	-25.6	57.25	-22.8	66.42	-29.7	64.13	-24.2
3/15/22	10:06	1561	63°F Raining	2141856	4,564,000	2924	2,141,856,000	17	172		62.24	-23.6	61.57	-23.5	62.3	-24.5	62.18	-24.8	63.12	-25.3	61.62	-23.9	61.7	-24.1	67.35	-31.8	61.32	-25.3	57.05	-22.6	66.82	-30.1	63.93	-24.0
3/16/22	7:15	1269	57°F MostlyCloudy	2146000	4,144,000	3266	2,146,000,000	17	192		66.86	-28.3	64.99	-26.9	65.54	-27.8	65.7	-28.3	65.87	-28.1	64.73	-27.1	65.33	-27.8	67.54	-32.0	61.32	-25.3	57.05	-22.6	66.86	-30.1	63.77	-23.9
3/17/22	6:53	1418	51°F PartlyCloudy	2150645	4,645,000	3276	2,150,645,000	17	193		67.1	-28.5	65.18	-27.1	65.83	-28.0	65.97	-28.6	65.94	-28.1	65	-27.3	65.49	-27.9	67.64	-32.1	61.3	-25.3	57	-22.5	66.83	-30.1	63.74	-23.9
3/18/22	7:00	1447	73°F Light Rain	2155391	4,746,000	3280	2,155,391,000	17	193		67.05	-28.5	65.12	-27.0	65.77	-28.0	65.92	-28.5	65.89	-28.1	65.46	-27.8	65.5	-27.9	67.6	-32.1	61.25	-25.2	56.9	-22.4	66.92	-30.2	63.7	-23.8
3/21/22	7:15	4335	43°F MostlyCloudy	2169550	14,159,000	3266	2,169,550,000	17	192		67.2	-28.6	65.3	-27.2	66.06	-28.3	66.2	-28.8	66.22	-28.4	65.7	-28.0	65.72	-28.2	67.63	-32.1	61.18	-25.2	56.9	-22.4	67.33	-30.6	63.63	-23.7
3/22/22	7:07	1432	71 °F Cloudy	2174218	4,668,000	3260	2,174,218,000	17	192		67.08	-28.5	65.22	-27.1	65.93	-28.1	66.15	-28.8	66.18	-28.4	65.63	-28.0	65.65	-28.1	67.73	-32.2	61.08	-25.1	56.8	-22.3	67.32	-30.6	63.6	-23.7
3/23/22	7:27	1460	58°F MostlyCloudy	2179004	4,786,000	3278	2,179,004,000	17	193		67.24	-28.6	65.32	-27.2	66.07	-28.3	66.28	-28.9	66.32	-28.5	65.78	-28.1	65.77	-28.2	67.67	-32.1	61.13	-25.1	56.82	-22.3	67.43	-30.7	63.64	-23.8
3/24/22	7:19	1432	49 °F Sunny	2183687	4,683,000	3270	2,183,687,000	17

Plant Daniel ATB Pumps Running target El: 1

Date	Time	Elapsed Time (min)	Weather	Flow Totalizer (x1000 gal)	Daily Discharge (gal)	Flow Rate Avg (gpm)	Cumulative Discharge (gal)	# Wells Pumping	Avg. Flow Per Well (gpm)	Well ID:	P-1		P-2		P-3		P-4		P-5 (aka P-19)		P-6		P-7		P-8		P-9		P-10		P-11		P-12	
										Grade El:	38.6		38.09		37.79		37.39		37.82		37.68		37.56		35.55		36.01		34.48		36.73		39.89	
										Casing El:	40.97		40.72		40.4		39.97		40.87		40.09		39.57		38.53		38.75		38.47		38.99		41.31	
											Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)
4/1/22	7:02	1433	46°F Mostly Cloudy	2221992	4,701,000	3281	2,221,992,000	17	193		67.33	-28.7	65.47	-27.4	66.32	-28.5	66.52	-29.1	66.3	-28.5	66.4	-28.7	66.15	-28.6	67.72	-32.2	61	-25.0	56.73	-22.3	69.47	-32.7	63.9	-24.0
4/4/22	7:30	4348	50°F Partly Cloudy	2236190	14,198,000	3265	2,236,190,000	17	192		67.22	-28.6	65.39	-27.3	66.28	-28.5	66.5	-29.1	66.49	-28.7	66.33	-28.7	66.05	-28.5	67.64	-32.1	60.94	-24.9	56.67	-22.2	70	-33.3	64	-24.1
4/5/22	7:00	1410	76 Cloudy	2240817	4,627,000	3282	2,240,817,000	17	193		66.97	-28.4	65.23	-27.1	66.05	-28.3	66.3	-28.9	65.86	-28.0	66.27	-28.6	66	-28.4	67.53	-32.0	60.52	-24.5	56.82	-22.3	70.98	-34.3	63.9	-24.0
4/6/22	6:53	1433	76 Cloudy	2245524	4,707,000	3285	2,245,524,000	17	193		67.07	-28.5	65.32	-27.2	66.2	-28.4	66.46	-29.1	65.98	-28.2	66.42	-28.7	66.1	-28.5	67.63	-32.1	60.6	-24.6	56.94	-22.5	71.29	-34.6	63.92	-24.0
4/7/22	6:55	1442	65°F Mostly Cloudy	2250255	4,731,000	3281	2,250,255,000	17	193		67.3	-28.7	65.5	-27.4	66.38	-28.6	66.52	-29.1	65.98	-28.2	66.7	-29.0	66.26	-28.7	67.94	-32.4	60.64	-24.6	56.96	-22.5	71.48	-34.8	63.95	-24.1
4/8/22	6:46	1431	48 Sunny	2254949	4,694,000	3280	2,254,949,000	17	193		67.3	-28.7	65.47	-27.4	66.32	-28.5	66.6	-29.2	65.95	-28.1	66.5	-28.8	66.23	-28.7	67.72	-32.2	60.62	-24.6	56.92	-22.4	71.3	-34.6	63.93	-24.0
4/11/22	7:24	4358	67 Cloudy	2269220	14,271,000	3275	2,269,220,000	17	193		67.25	-28.7	65.18	-27.1	66.3	-28.5	66.56	-29.2	65.9	-28.1	66.46	-28.8	66.28	-28.7	67.65	-32.1	60.56	-24.6	56.8	-22.3	71.23	-34.5	63.9	-24.0
4/12/22	7:02	1418	69 Cloudy	2273848	4,628,000	3264	2,273,848,000	17	192		67.25	-28.7	65.44	-27.4	66.3	-28.5	66.58	-29.2	65.92	-28.1	66.48	-28.8	66.29	-28.7	67.6	-32.1	60.38	-24.4	56.74	-22.3	71.15	-34.4	63.85	-24.0
4/13/22	6:57	1435	72°F Partly Cloudy	2278530	4,682,000	3263	2,278,530,000	17	192		67.25	-28.7	65.46	-27.4	66.33	-28.5	66.59	-29.2	65.92	-28.1	66.49	-28.8	66.32	-28.8	67.6	-32.1	60.55	-24.5	56.73	-22.3	71.67	-34.9	63.97	-24.1
4/14/22	6:46	1429	67°F Light Rain	2283191	4,661,000	3262	2,283,191,000	17	192		67.3	-28.7	65.48	-27.4	66.4	-28.6	66.62	-29.2	65.96	-28.1	66.54	-28.9	66.35	-28.8	67.6	-32.1	60.59	-24.6	56.72	-22.2	71.68	-35.0	64	-24.1
4/15/22	8:03	1517	65 Cloudy	2288287	5,096,000	3359	2,288,287,000	17	198		67.3	-28.7	65.45	-27.4	66.3	-28.5	66.65	-29.3	66	-28.2	66.57	-28.9	66.4	-28.8	67.6	-32.1	60.62	-24.6	56.75	-22.3	71.7	-35.0	64	-24.1
4/18/22	7:00	4257	68 Cloudy	2302664	14,377,000	3377	2,302,664,000	17	199		67.26	-28.7	65.49	-27.4	66.4	-28.6	66.5	-29.1	66.17	-28.4	66.63	-29.0	66.07	-28.5	67.6	-32.1	60.65	-24.6	56.63	-22.2	72.4	-35.7	63.98	-24.1
4/19/22	9:01	1561	52 Sunny	2307813	5,149,000	3299	2,307,813,000	17	194		67.39	-28.8	65.56	-27.5	66.44	-28.7	66.66	-29.3	66.29	-28.5	66.66	-29.0	66.24	-28.7	67.64	-32.1	60.66	-24.7	56.59	-22.1	72.33	-35.6	63.95	-24.1
4/20/22	7:05	1324	53 Sunny	2312192	4,379,000	3307	2,312,192,000	17	195		67.28	-28.7	65.45	-27.4	66.32	-28.5	66.56	-29.2	66.2	-28.4	66.58	-28.9	66.2	-28.6	67.57	-32.0	60.53	-24.5	56.5	-22.0	72.23	-35.5	63.87	-24.0
4/21/22	7:00	1435	64 Sunny	2316946	4,754,000	3313	2,316,946,000	17	195		67.3	-28.7	65.48	-27.4	66.33	-28.5	66.59	-29.2	66.22	-28.4	66.61	-28.9	66.22	-28.7	67.6	-32.1	60.5	-24.5	56.52	-22.0	72.4	-35.7	63.84	-24.0
4/22/22	7:00	1440	64 Sunny	2321715	4,769,000	3312	2,321,715,000	17	195		67.3	-28.7	65.46	-27.4	66.37	-28.6	66.6	-29.2	66	-28.2	66.63	-29.0	66.26	-28.7	67.6	-32.1	60.47	-24.5	56.58	-22.1	72.35	-35.6	63.8	-23.9
4/25/22	7:29	4349	68 Sunny	2336117	14,402,000	3312	2,336,117,000	17	195		67.34	-28.7	65.47	-27.4	66.36	-28.6	66.54	-29.2	66	-28.2	66.62	-28.9	66.35	-28.8	67.7	-32.2	60.47	-24.5	56.42	-21.9	72.72	-36.0	63.78	-23.9
4/28/22	7:21	4312	63 Sunny	2349981	13,864,000	3215	2,349,981,000	16	201		67.27	-28.7	65.42	-27.3	66.33	-28.5	66.69	-29.3	66.12	-28.3	66.6	-28.9	66.43	-28.9	67.42	-31.9	60	-24.0	53.2	-18.7	71.57	-34.8	63.6	-23.7
4/29/22	7:13	1432	72 Cloudy	2354718	4,737,000	3308	2,354,718,000	17	195		67.24	-28.6	65.39	-27.3	66.32	-28.5	66.72	-29.3	66	-28.2	66.5	-28.8	66.47	-28.9	67.5	-32.0	60.29	-24.3	56.22	-21.7	72.43	-35.7	64	-24.1
5/1/22	7:54	2921		2364423	9,705,000	3322	2,364,423,000	17	195																									
5/2/22	8:12	1458	72 Sunny	2369320	4,897,000	3359	2,369,320,000	17	198		67.38	-28.8	65.5	-27.4	66.42	-28.6	66.6	-29.2	66.22	-28.4	66.7	-29.0	66.79	-29.2	67.74	-32.2	62.3	-26.3	56.54	-22.1	73.6	-36.9	64.12	-24.2
5/3/22	7:04	1372	74 Mostly Sunny	2373956	4,636,000	3379	2,373,956,000	17	199		67.44	-28.8	65.55	-27.5	66.45	-28.7	66.64	-29.3	66.2	-28.4	66.65	-29.0	66.67	-29.1	67.7	-32.2	60.5	-24.5	56.57	-22.1	74	-37.3	64.2	-24.3
5/4/22	7:10	1446	75°F Mostly Sunny	2378890	4,934,000	3412	2,378,890,000	17	201		67.5	-28.9	65.6	-27.5	66.5	-28.7	66.7	-29.3	66.2	-28.4	66.67	-29.1	66.69	-29.1	67.9	-32.4	60.55	-24.5	56.62	-22.1	74.23	-37.5	64.33	-24.4
5/5/22	7:48	1478	81°F Mostly Cloudy	2383934	5,044,000	3413	2,383,934,000	17	201		67.57	-29.0	65.62	-27.5	66.54	-28.8	66.74	-29.4	66.24	-28.4	66.72	-29.0	67.4	-29.8	67.95	-32.4	60.62	-24.6	56.83	-22.4	74.64	-37.9	64.47	-24.6
5/6/22	8:30	1482	70 Cloudy	2388998	5,064,000	3417	2,388,998,000	17	201		67.58	-29.0	65.64	-27.6	66.57	-28.8	66.74	-29.4	66.24	-28.4	66.7	-29.0	66.74	-29.2	68	-32.5	60.57	-24.6	56.68	-22.2	74.84	-38.1	64.55	-24.7
5/9/22	6:36	4206	77°F Partly Cloudy	2403438	14,440,000	3433	2,403,438,000	17	202		67.72	-29.1	65.76	-27.7	66.72	-28.9	66.87	-29.5	66.5	-28.7	66.82	-29.1	66.86	-29.3	68.15	-32.6	60.84	-24.8	56.82	-22.3	75.87	-39.1	64.8	-24.9
5/10/22	7:17	1481	68 Cloudy	2408539	5,101,000	3444	2,408,539,000	17	203		67.72	-29.1	65.76	-27.7	66.7	-28.9	66.87	-29.5	66.35	-28.5	66.79	-29.1	66.86	-29.3	68.13	-32.6	60.84	-24.8	57.1	-22.6	75.8	-39.1	64.92	-25.0
5/11/22	7:15	1438	70 Sunny	2413480	4,941,000	3436	2,413,480,000	17	202		67.73	-29.1	65.78	-27.7	67.13	-29.3	67.74	-30.4	66.75	-28.9	66.79	-29.1	66.86	-29.3	68.19	-32.6	60.86	-24.9	56.8	-22.3	76.12	-39.4	64.8	-24.9
5/12/22	7:26	1451	74 Sunny	2418469	4,989,000	3438	2,418,469,000	17	202		67.63	-29.0	65.7	-27.6	66.67	-28.9	66.84	-29.5	66.33	-28.5	66.74	-29.1	66.8	-29.2	68.13	-32.6	60.83	-24.8	56.77	-22.3	76.3	-39.6	64.84	-25.0
5/13/22	7:12	1426	70 Sunny	2423370	4,901,000	3437	2,423,370,000	17	202		67.72	-29.1	65.7	-27.6	66.69	-28.9	66.73	-29.3	66.62	-28.8	66.82	-29.1	66.75	-29.2	68.1	-32.6	60.83	-24.8	56.8	-22.3	75.53	-38.8	64.85	-25.0
5/16/22	7:16	4324	68 Sunny	2438280	14,910,000	3448	2,438,280,000	17	203		67.82	-29.2	65.8	-27.7	66.8	-29.0	66.8	-29.4	66.6	-28.8	66.87	-29.2	66.86	-29.3	68.28	-32.7	60.9	-24.9	56.92	-22.4	76.87	-40.1	65.1	-25.2
5/17/22	7:32	1456	75 Sunny	2443325	5,045,000	3465	2,443,325,000	17	204		67.9	-29.3	65.9	-27.8	66.92	-29.1	66.84	-29.5	66.68	-28.9	66.92	-29.2	66.9	-29.3	68.32	-32.8	60.96	-25.0	56.94	-22.5	77.1	-40.4	65.13	-25.2
5/18/22	7:27	1435	76 Partly Cloudy	2448304	4,979,000	3470	2,448,304,000	17	204		67.97	-29.4	65.93	-27.8	66.94	-29.2	66.9	-29.5	66.69	-28.9	66.94	-29.3	66.9	-29.3	68.37	-32.8	60.94	-24.9	56.95	-22.5	77.52	-40.8	65.17	-25.3
5/19/22	7:16	1429	75 Sunny	2453273	4,969,000	3477	2,453,273,000	17	205		67.95	-29.4	65.92	-27.8	67	-29.2	66.9	-29.5	66.8	-29.0	66.9	-29.2	66.92	-29.4	68.36	-32.8	60.94	-24.9	56.95	-22.5	77.52	-40.8	65.2	-25.3
5/20/22	6:59	1423	80 Sunny	2458219	4,946,000	3476	2,458,219,000	17	204		68	-29.4	65.94	-27.9	66.94	-29.2	66.87	-29.5	66.68	-28.9	66.93	-29.3	66.93	-29.4	68.35	-32.8	60.94	-24.9	56.92	-22.4	77.46	-40.7	65.2	-25.3
5/23/22	8:35	4416	76°F Mostly Cloudy	2473545	15,326,000	3471	2,473,545,000	17	204		68.08	-29.5	66.05	-28.0	67.1	-29.3	67.05	-29.7	66.8	-29.0	67.09	-29.4	67.06	-29.5	68.45	-32.9	61.22	-25.2	56.88	-22.4	77.7	-41.0	65.22	-25.3
5/24/22	8:32	1437	78°F Mostly Cloudy	2478519	4,974,000	3461	2,478,519,000	17	204		68.05	-29.5	66	-27.9	67.05	-29.3	67	-29.6	66.8	-29.0	67.05	-29.4	67.05	-29.5	68.39	-32.8	61	-25.0	56.82	-22.3	77.9	-41.2	65.22	-25.3
5/25/22	8:00	1408	73°F Light Rain	2483396	4,877,000	3464	2,483,396,000	17	204		68	-29.4	66	-27.9	67.11	-29.3	67	-29.6	66.86	-29.0	67.09	-29.4	67.08	-29.5	68.28	-32.7	60.79	-24.8	50.56	-16.1	77.22	-40.5	64.69	-24.8
5/26/22	7:43	1423	73°F Light Rain	2488328	4,932,000	3466	2,488,328,000	17	204		67.93	-29.3	65.94	-27.9	67.1	-29.3	67	-29.6	66.83	-29.0	67.1	-29.4	67.08	-29.5	68.08	-32.5	60.41	-24.4	56.28	-21.8	76.54	-39.8	63.85	-24.0
5/27/22	6:38	1375	72 Sunny	2493092	4,764,000	3465	2,493,092,000	17	204		67.85	-29.3	65.87	-27.8	67	-29.2	66.95	-29.6	66.78	-29.0	67	-29.3	67	-29.4	67.97	-32.4	60.32	-24.3	56.06	-21.6	75.86	-39.1	63.85	-24.0
5/31/22	7:20	5802	76 Sunny	2513170	20,078,000	3461	2,513,170,000	17	204		67.59	-29.0	62.69	-24.6	67	-29.2	66.4	-29.0	66.39	-28.6	66.86	-29.2	66.78	-29.2	67.68	-32.1	60.15	-24.1	64.85	-30.4	75.67	-38.9	63.43	-23.5
6/1/22	7:11	1431	76 Sunny	2518109	4,939,000	3451	2,518,109,000	17	203		67.53	-28.9	65.57	-27.5	66.69	-28.9	66.32	-28.9	66.33	-28.5	66.79	-29.1	66.75	-29.2	67.8	-32.3	60.12	-24.1	55.82	-21.3	75.32	-38.6	63.52	-23.6
6/2/22	7:10	1439	76 Sunny	2523101	4,992,000	3469	2,523,101,000	17	204		67.5	-28.9	65.55	-27.5	66.64	-28.9	66.26	-28.9	66.28	-28.5	66.72	-29.0	66.72	-29.2	67.8	-32.3	60.15	-24.1	55.76	-21.3	75.32	-38.6	63.62	-23.7
6/3/22	7:16	1446	76 Mostly Sunny	2528108	5,007,000	3463	2,528,108,000	17	204		67.49	-28.9	65.53	-27.4	66.62	-28.8	66.24	-28.9	66.23	-28.4	66.69	-29.0	66.74	-29.2	67.83	-32.3	60.19	-24.2	55.78	-21.3	75.55	-38.8	63.79	-23.9
6/6/22	6:55	4299	80 Mostly Sunny	2543000	14,892,000	3464	2,543,000,000	17	204		67.53	-28.9	65.6	-27.5	66.6	-28.8	66.29	-28.9	66.29	-28.5	66.72	-29.0	66.8	-29.2	68	-32.5	60.3	-24.3	55.85	-21.4	76.4	-39.7	64.13	-24.2
6/7/22	7:25	1470	76 Mostly Sunny	2548080	5,080,000	3456	2,548,080,000	17	203		67.6	-29.0	65.62	-27.5	66.69	-28.9	66.32	-28.9	66.3	-28.5	66.73	-29.1	66.84	-29.3	68	-32.5	60.35	-24.3	55.88	-21.4	76.82	-40.1	64.3	-24.4
6/8/22	7:47	1462	82 Sunny	2553136	5,056,000	3458	2,553,136,000	17	203		67.68	-29.1	35.7	2.4	66.74	-29.0	66.34	-29.0	66.15	-28.3	66.75	-29.1	66.85	-29.3	68.1	-32.6	60.43	-24.4	55.95	-21.5	77.09	-40.4	64.44	-24.6
6/9/22	7:29	1422	81 Partly Sunny	2558070	4,934,000	3470	2,558,070,000	17	204		67.74	-29.1	65.74	-27.7	66.8	-29.0	66.39	-29.0	66.19	-28.4	66.8	-29.1	66.87	-29.3	68.26	-32.7	60.5	-24.5	56	-21.5	77.59	-40.9	64.6	-24.7
6/10/22	8:02	1473	80 Cloudy	2563177	5,107,000	3467	2,563,177,000	17	204		67.66	-29.1	65.68	-27.6	66.68	-28.9	66.5	-29.1	66.34	-28.5	66.76	-29.1	66.7	-29.1	68.23	-32.7	60.6	-24.6	56.32	-21.8	76.9	-40.2	64.64	-24.8
6/13/22	7:56	4314	85 Sunny	2578126	14,949,000	3465	2,578,126,000	17	204		67.95	-29.4	65.9	-27.8	66.94	-29.2	66.75	-29.4	66.57	-28.8	67	-29.3	66.92	-29.4	68.5	-33.0	60.88	-24.9	56.8	-22.3	78.72	-42.0	64.94	-25.1
6/14/22	8:30	1474	86 Sunny	2583192	5,066,000	3437	2,583,192,000	17	202		68	-29.4	65.94	-27.9	66.97	-29.2	66.8	-29.4	66.58	-28.8	67	-29.3	66.96	-29.4	68.57	-33.0	60.94	-24.9	56.85	-22.4	78.9	-42.2	65	-25.1
6/15/22	8:18	1428	89 Sunny	2588100	4,908,000	3437	2,588,100,000	17	202		68	-29.4	65.96	-27.9	67	-29.2	66.8	-29.4	66.6	-28.8	67.05	-29.4	66.99	-29.4	68.59	-33.0	60.96	-25.0	56.89	-22.4	79.2	-42.5	65.1	-25.2
6/16/22	8:26	1448	84 Cloudy	2593024	4,924,000	3401	2,593,024,000	17	200		68.12	-29.5	66	-27.9	67.09	-29.3	66.92	-29.5	66.68	-28.9	67.14	-29.5	67.08	-29.5	68.69	-33.1	61.08	-25.1	56.96	-22.5	79.63	-42.9	65.2	-25.3
6/17/22	7:55	1409	84 Cloudy	2597873	4,849,000	3441	2,597,873,000	17	202		68.14	-29.5	66	-27.9	67.1	-29.3	66.9	-29.5	66.5	-28.7	67.12	-29.4	67.09	-29.5	68.7	-33.2	61.12	-25.1	56.97	-22.5	79.69	-43.0	65.3	-25.4
6/20/22	8:10	4335	83 Sunny	2612364	14,491,000	3343	2,612,364,000	17	197		68.32	-29.7	66.17	-28.1	67.25	-29.5	67.08	-29.7	66.6	-28.8	67.26	-29.6	67.2	-29.6	68.9	-33.4	61.29	-25.3	57.1	-22.6	80.66	-43.9	65.58	-25.7
6/21/22	8:18	1448	84 Cloudy	2617176	4,812,000	3323	2,617,176,000	17	195		68.39	-29.8	66.26	-28.2	67.32	-29.5	67.12	-29.7	66.65	-28.8	67.3	-29.6	67.27	-29.7	68.95	-33.4	61.33	-25.3	57.14	-22.7	81	-44.3	65.6	-25.7
6/22/22	7:50	1412	82 Sunny	2621874	4,698,000	3327	2,621,874,000	17	196		68.47	-29.9	66.26	-28.2	67.08	-29.3	67.29	-29.9	66.6	-28.8	67.28	-29.6	67.23	-29.7	68.94	-33.4	61.32	-25.3	57.1	-22.6	81.38	-44.7	65.69	-25.8
6/23/22	7:25	1415	82 Sunny	2626643	4,769,000	3370	2,626,643,000	17	198		68.32	-29.7	66.18	-28.1	67.18	-29.4	67	-29.6	66.78	-29.0	67.2	-29.5	67.2	-29.6	68.87	-33.3	61.29	-25.3	57.26	-22.8	80.9	-44.2	65.72	-25.8
6/24/22	7:34	1449	87 Sunny	2631636	4,993,000	3446	2,631,636,000	17	203		68.42	-29.8	66.25	-28.2	67.25	-29.5	67.14	-29.8	66.63	-28.8	67.27	-29.6	67.3	-29.7	68.97	-33.4	61.4	-25.4	57.34	-22.9	81.5	-44.8	65.8	-25.9
6/27/22	7:12	4298	80 Sunny	2646440	14,804,000	3444	2,646,440,000	17	203		68.53	-29.9	66.37	-28.3	67.43	-29.6	67.2	-29.8	66.92	-29.1	67.4	-29.7	67.46	-29.9	69	-33.5	61.42	-25.4	57.49	-23.0	82.72	-46.0	65.9	-26.0
6/28/22	8:15	1503	80 Sunny	2651603	5,163,000	3435	2,651,603,000	17	202		68.59	-30.0	66.38	-28.3	67.45	-29.7	67.25	-29.9	66.94	-29.1	67.42	-29.7	67.49	-29.9	69.05	-33.5	61.5	-25.5	57.46	-23.0	82.8	-46.1	65.9	-26.0
6/29/22	6:43	1348	78°F Light Rain	2656220	4,617,000	3425	2,656,220,000	17	201		68.93	-30.3	66.61	-28.5	67.67	-29.9	67.48	-30.1	67.07	-29.3	67.62	-29.9	67.68	-30.1	69.06	-33.5	61.56	-25.6	57.58	-23.1	83.43	-46.7	65.96	-26.1
6/30/22	11:02	1699	78 Cloudy	2662048	5,828,000	3430	2,662,048,000	17	202		68.92	-30.3	66.59	-28.5	67.75	-30.0	67.54	-30.2	67.1	-29.3	67.73	-30.1	67.75	-30.2	69.06	-33.5	61.49	-25.5	57.38	-22.9	83.53	-46.8	65.9	-26.0
7/1/22	7:43	1241	81 Sunny	2666343	4,295,000	3461	2,666,343,000	17	204		69.32	-30.7	66.83	-28.7	68	-30.2	67.73	-30.3	67.26	-29.4	68	-30.3	67.88	-30.3	69	-33.5	61.4	-25.4	57.28	-22.8	84.1	-47.4	65.63	-25.7
7/5/22	7:11	5728	80 Raining	2686269	19,926,000	3479	2,686,269,000	17	205		69.34	-30.7	66.89	-28.8	68.12	-30.3	68.9	-31.5	67.3	-29.5	68.3	-30.6	69.79	-32.2	68.98	-33.4	61.22	-25.2	56.9	-22.4	83.1	-46.4	65.07	-25.2
7/6/22	7:02	1431	79 Sunny	2691251	4,982,000	3481	2,691,251,000	17	205		69.1	-30.5	66.76	-28.7	68.06	-30.3	67.87	-30.5	67.5	-29.7	68.32	-30.6	69.8	-32.2	68.85	-33.3	61	-25.0	56.83	-22.4	81.9	-45.2	64.67	-24.8
7/7/22	7:09	1447	81°F Partly Sunny	2696240	4,989,000	3448	2,696,240,000	17	203		68.9	-30.3	66.7	-28.6	67.94	-30.2	67.62	-30.2	67.39	-29.6	68.37	-30.7	69.9	-32.3	68.65	-33.1	60.99	-25.0	56.75	-22.3	81.35	-44.6	64.82	-24.9
7/8/22	7:45	1476	85 Cloudy	2701427	5,187,000	3514	2,701,427,000	17	207		69.05	-30.5	66.79	-28.7	68	-30.2	67.69	-30.3	67.47	-29.7	68.45	-30.8	70	-32.4	68.73	-33.2	61	-25.0	56.75	-22.3	82	-45.3	64.9	-25.0
7/11/22	7:53	4328	83 Sunny	2716609	15,182,000	3508	2,716,609,000	17	206		68.95	-30.4	66.72	-28.6	67.95	-30.2	67.68	-30.3	67.47	-29.7	68.48	-30.8	70.1	-32.5	68.8	-33.3	61	-25.0	56.7	-22.2	81.9	-45.2	65.1	-25.2
7/12/22	7:20	1407	80 Sunny	2721545	4,936,000	3508	2,721,545,000	17	206		68.9	-30.3	66.74	-28.7	68	-30.2	67.72	-30.3	67.3	-29.5	68.52	-30.8	70.15	-32.6	68.83	-33.3	61	-25.0	56.68	-22.2	82	-45.3	65.1	-25.2
7/13/22	7:01	1421	77 Cloudy	2726524	4,979,000	3504	2,726,524,000	17	206		69.07	-30.5	66.82	-28.7	68.1	-30.3	67.82	-30.4	67.39	-29.6	68.6	-30.9	70.23	-32.7	68.9	-33.4	61.08	-25.1	56.76	-22.3	82.52	-45.8	65.05	-25.2
7/14/22	7:06	1445	77 Cloudy	2731662	5,138,000	3556	2,731,662,000	17	209		69.16	-30.6	67.09	-29.0	68.22	-30.4	69.48	-32.1	71.06	-33.2	68.67	-31.0	70.32	-32.8	68.95	-33.4	61.06	-25.1	56.63	-22.2	82.84	-46.1	65.1	-25.2
7/15/22	7:02	1436	77 Cloudy	2736788	5,126,000	3570	2,736,788,000	17	210		69.1	-30.5	67.43	-29.3	68.17	-30.4	69.56	-32.2	71.16	-33.3	68.68	-31.0	70.3	-32.7	68.96	-33.4	61	-25.0	56.57	-22.1	83.09	-46.4	65.26	-25.4

KELLER

Plant Daniel ATB Pumps Running target El: 1

Date	Time	Elapsed Time (min)	Weather	Flow Totalizer (x1000 gal)	Daily Discharge (gal)	Flow Rate Avg (gpm)	Cumulative Discharge (gal)	# Wells Pumping	Avg. Flow Per Well (gpm)	Well ID:	P-1		P-2		P-3		P-4		P-5 (aka P-19)		P-6		P-7		P-8		P-9		P-10		P-11		P-12	
										Grade El:	38.6		38.09		37.79		37.39		37.82		37.68		37.56		35.55		36.01		34.48		36.73		39.89	
										Casing El:	40.97		40.72		40.4		39.97		40.87		40.09		39.57		38.53		38.75		38.47		38.99		41.31	
											Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)
7/25/22	7:02	4318	81°F Mostly Cloudy	2787189	14,718,000	3409	2,787,189,000	17	201		69.22	-30.6	67.56	-29.5	68.37	-30.6	69.9	-32.5	68.56	-30.7	68.9	-31.2	70.62	-33.1	69.1	-33.6	60.85	-24.8	56.1	-21.6	57.63	-20.9	65.22	-25.3
7/26/22	7:06	1444	81°F Mostly Sunny	2792192	5,003,000	3465	2,792,192,000	17	204		69.2	-30.6	67.55	-29.5	68.36	-30.6	69.9	-32.5	68.55	-30.7	68.9	-31.2	70.65	-33.1	69	-33.5	60.8	-24.8	56.2	-21.7	71.09	-34.4	65.29	-25.4
7/27/22	7:14	1448	80°F Sunny	2797221	5,029,000	3473	2,797,221,000	17	204		69.22	-30.6	67.52	-29.4	68.38	-30.6	69.92	-32.5	68.5	-30.7	68.92	-31.2	70.68	-33.1	69	-33.5	60.8	-24.8	56.25	-21.8	72.05	-35.3	65.28	-25.4
7/28/22	7:09	1435	80 Sunny	2802202	4,981,000	3471	2,802,202,000	17	204		69.25	-30.7	67.56	-29.5	68.4	-30.6	69.93	-32.5	68.45	-30.6	68.92	-31.2	70.7	-33.1	69	-33.5	60.82	-24.8	56.26	-21.8	72.59	-35.9	65.3	-25.4
7/29/22	6:58	1429	79°F Cloudy	2807165	4,963,000	3473	2,807,165,000	17	204		69.27	-30.7	67.59	-29.5	68.42	-30.6	69.96	-32.6	68.63	-30.8	68.95	-31.3	70.74	-33.2	69.1	-33.6	60.85	-24.8	56.29	-21.8	72.94	-36.2	65.37	-25.5
8/1/22	8:24	4406	85°F Raining	2822449	15,284,000	3469	2,822,449,000	17	204		69.36	-30.8	67.63	-29.5	68.47	-30.7	70	-32.6	68.4	-30.6	68.95	-31.3	70.74	-33.2	69.19	-33.6	60.9	-24.9	56.26	-21.8	73.97	-37.2	65.55	-25.7
8/2/22	7:08	1364	77°F Cloudy	2827175	4,726,000	3465	2,827,175,000	17	204		69.32	-30.7	67.62	-29.5	68.5	-30.7	70	-32.6	68.38	-30.6	68.94	-31.3	70.76	-33.2	69.19	-33.6	60.9	-24.9	56.25	-21.8	73.93	-37.2	65.58	-25.7
8/3/22	6:59	1431	76 °F Cloudy	2832134	4,959,000	3465	2,832,134,000	17	204		68.97	-30.4	67.52	-29.4	68.33	-30.5	69.77	-32.4	68.56	-30.7	68.94	-31.3	70.22	-32.7	68.9	-33.4	60.82	-24.8	56.22	-21.7	73	-36.3	65.53	-25.6
8/4/22	6:53	1434	81°F Cloudy	2837072	4,938,000	3444	2,837,072,000	17	203		69.08	-30.5	67.57	-29.5	68.38	-30.6	69.82	-32.4	68.53	-30.7	68.8	-31.1	69.96	-32.4	54.77	-19.2	60.36	-24.4	56.07	-21.6	73.5	-36.8	65.55	-25.7
8/5/22	7:07	1454	79 Sunny	2842145	5,073,000	3489	2,842,145,000	17	205		69.14	-30.5	67.6	-29.5	68.4	-30.6	69.9	-32.5	68.58	-30.8	68.97	-31.3	70.33	-32.8	68.79	-33.2	60.86	-24.9	56.28	-21.8	73.9	-37.2	65.7	-25.8
8/8/22	7:04	4317	°F 81 Cloudy	2857198	15,053,000	3487	2,857,198,000	17	205		69.3	-30.7	67.67	-29.6	68.5	-30.7	70	-32.6	68.72	-30.9	69.05	-31.4	70.47	-32.9	69	-33.5	60.96	-25.0	56.3	-21.8	74.48	-37.8	65.83	-25.9
8/9/22	7:12	1448	78°F PartlyCloudy	2862267	5,069,000	3501	2,862,267,000	17	206		69.32	-30.7	67.72	-29.6	68.53	-30.7	70.06	-32.7	68.7	-30.9	69.1	-31.4	70.52	-33.0	69.1	-33.6	61	-25.0	56.33	-21.9	74.82	-38.1	65.85	-26.0
8/10/22	7:31	1459	76 ThunderStorms	2867367	5,100,000	3496	2,867,367,000	17	206		69.37	-30.8	67.76	-29.7	68.62	-30.8	70.12	-32.7	68.73	-30.9	69.12	-31.4	70.56	-33.0	69.16	-33.6	61.06	-25.1	56.35	-21.9	75.45	-38.7	65.89	-26.0
8/11/22	8:34	1503	78 °F ThunderStorms	2872620	5,253,000	3495	2,872,620,000	17	206		69.3	-30.7	67.72	-29.6	68.59	-30.8	70.1	-32.7	68.72	-30.9	69.1	-31.4	70.53	-33.0	69.1	-33.6	61	-25.0	56.28	-21.8	75.49	-38.8	65.74	-25.9
8/12/22	7:27	1373	75°F Raining	2877427	4,807,000	3501	2,877,427,000	17	206		69.3	-30.7	67.75	-29.7	68.59	-30.8	70.17	-32.8	68.7	-30.9	69.1	-31.4	70.54	-33.0	69.1	-33.6	60.92	-24.9	56.18	-21.7	75.5	-38.8	65.59	-25.7
8/15/22	8:16	4369	89°F Sunny	2892786	15,359,000	3515	2,892,786,000	17	207		69.24	-30.6	67.66	-29.6	68.52	-30.7	70.01	-32.6	68.48	-30.7	69	-31.3	70.55	-33.0	69.05	-33.5	60.78	-24.8	55.95	-21.5	75.66	-38.9	65.32	-25.4
8/16/22	7:03	1367	83°F Sunny	2897601	4,815,000	3522	2,897,601,000	17	207		68.85	-30.3	67.52	-29.4	68.36	-30.6	70	-32.6	68.52	-30.7	68.96	-31.3	70.18	-32.6	68.8	-33.3	60.73	-24.7	56	-21.5	75	-38.3	65.27	-25.4
8/17/22	7:06	1443	77°F Sunny	2902624	5,023,000	3481	2,902,624,000	17	205		68.96	-30.4	67.6	-29.5	68.48	-30.7	70.1	-32.7	68.6	-30.8	69.07	-31.4	70.28	-32.7	69.1	-33.6	60.8	-24.8	56.12	-21.6	76.64	-39.9	65.49	-25.6
8/22/22	7:20	7214	78°F Cloudy	2926563	23,939,000	3318	2,926,563,000	17	195		66	-27.4	65.48	-27.4	66.08	-28.3	67.5	-30.1	66.53	-28.7	66.29	-28.6	67.9	-30.3	68.76	-33.2	60.58	-24.6	55.88	-21.4	77.22	-40.5	65.32	-25.4
8/23/22	7:06	1426	76 Cloudy	2931307	4,744,000	3327	2,931,307,000	17	196		65.9	-27.3	65.42	-27.3	66	-28.2	67.4	-30.0	66.47	-28.7	66.23	-28.6	67.86	-30.3	68.73	-33.2	60.55	-24.5	55.83	-21.4	77.1	-40.4	65.28	-25.4
8/24/22	6:56	1430	78°F Cloudy	2936131	4,824,000	3373	2,936,131,000	17	198		67.3	-28.7	66.4	-28.3	67	-29.2	68.6	-31.2	67.3	-29.5	67.3	-29.6	68.88	-31.3	54.34	-18.8	60	-24.0	55.64	-21.2	77.05	-40.3	65.16	-25.3
8/25/22	7:03	1447	78°F Raining	2940812	4,681,000	3235	2,940,812,000	17	190																									
8/26/22	6:32	1409	73 °F Cloudy	2945345	4,533,000	3217	2,945,345,000	17	189																									
8/29/22	6:27	4315	76°F Sunny	2959269	13,924,000	3227	2,959,269,000	17	190																									
8/30/22	6:36	1449	76°F Sunny	2963970	4,701,000	3244	2,963,970,000	17	191																									
8/31/22	6:50	1454	76°F Sunny	2968700	4,730,000	3253	2,968,700,000	17	191																									
9/1/22	6:43	1433	74°F Sunny	2973369	4,669,000	3258	2,973,369,000	17	192																									
9/6/22	6:44	7201	74°F Sunny	2996835	23,466,000	3259	2,996,835,000	17	192																									
9/7/22	6:33	1429	76 Cloudy	3001490	4,655,000	3258	3,001,490,000	17	192																									
9/8/22	6:32	1439	68 Sunny	3006182	4,692,000	3261	3,006,182,000	17	192																									
9/9/22	6:37	1445	70°F PartlySunny	3010900	4,718,000	3265	3,010,900,000	17	192																									
9/12/22	7:02	4345	70°F PartlySunny	3026096	15,196,000	3497	3,026,096,000	17	206																									
9/13/22	7:34	1472	70°F PartlySunny	3031257	5,161,000	3506	3,031,257,000	17	206		65.76	-27.2	65.06	-27.0	65.36	-27.6	66.65	-29.3	65.82	-28.0	65.65	-28.0	68.15	-30.6	68.18	-32.6	59.17	-23.2	54.06	-19.6	74.72	-38.0	64.51	-24.6
9/14/22	7:02	1408	61°F Sunny	3036253	4,996,000	3548	3,036,253,000	17	209		66.44	-27.8	65.56	-27.5	65.9	-28.1	67.2	-29.8	66.25	-28.4	66.24	-28.6	68.78	-31.2	68.2	-32.7	59.16	-23.2	54.1	-19.6	75	-38.3	64.58	-24.7
9/15/22	7:31	1469	73°F Sunny	3041439	5,186,000	3530	3,041,439,000	17	208		66.42	-27.8	65.54	-27.5	65.89	-28.1	67.2	-29.8	66.29	-28.5	66.27	-28.6	68.78	-31.2	68.13	-32.6	59.22	-23.2	54.12	-19.6	75.1	-38.4	64.59	-24.7
9/16/22	7:10	1419	76°F Sunny	3046184	4,745,000	3344	3,046,184,000	17	197		66.48	-27.9	65.66	-27.6	65.89	-28.1	67.15	-29.8	66.29	-28.5	65.95	-28.3	68.26	-30.7	52.95	-17.4	58.42	-22.4	53.85	-19.4	76.05	-39.3	64.56	-24.7
9/19/22	8:16	4386	73 Sunny	3061705	15,521,000	3539	3,061,705,000	17	208		66.7	-28.1	65.76	-27.7	66.14	-28.4	64.76	-27.4	66.47	-28.7	66.5	-28.8	69.12	-31.6	68.23	-32.7	59.4	-23.4	54.25	-19.8	76.35	-39.6	65	-25.1
9/20/22	8:01	1425	73 Sunny	3066763	5,058,000	3549	3,066,763,000	17	209		66.6	-28.0	65.67	-27.6	66.05	-28.3	67.49	-30.1	66.39	-28.6	66.48	-28.8	66.48	-28.9	68.14	-32.6	59.42	-23.4	54.24	-19.8	76.55	-39.8	65.05	-25.2
9/21/22	8:28	1467	81°F Mostly Sunny	3071975	5,212,000	3553	3,071,975,000	17	209		66.57	-28.0	65.67	-27.6	66.01	-28.2	67.52	-30.1	66.35	-28.5	66.51	-28.8	69.03	-31.5	68.2	-32.7	59.44	-23.4	54.26	-19.8	76.13	-39.4	65.08	-25.2
9/22/22	8:14	1426	80°F Mostly Cloudy	3077035	5,060,000	3548	3,077,035,000	17	209		66.66	-28.1	65.77	-27.7	66.15	-28.4	67.57	-30.2	66.38	-28.6	66.57	-28.9	69.11	-31.6	68.3	-32.8	59.5	-23.5	54.3	-19.8	76.68	-40.0	65.15	-25.3
9/23/22	8:00	1426	79°F Sunny	3082101	5,066,000	3553	3,082,101,000	17	209		66.88	-28.3	65.89	-27.8	66.33	-28.5	67.73	-30.3	66.4	-28.6	66.7	-29.0	69.24	-31.7	68.44	-32.9	59.49	-23.5	54.38	-19.9	77.87	-41.1	65.25	-25.4
9/26/22	7:35	4295	77°F Sunny	3097426	15,325,000	3568	3,097,426,000	17	210		67	-28.4	66	-27.9	66.46	-28.7	67.9	-30.5	66.3	-28.5	66.89	-29.2	69.43	-31.9	68.6	-33.1	59.63	-23.6	54.46	-20.0	78.58	-41.9	65.5	-25.6
9/27/22	9:15	1540	63°F Sunny	3102981	5,555,000	3607	3,102,981,000	17	212		67.75	-29.2	66.54	-28.5	67	-29.2	68.46	-31.1	67.05	-29.2	67.51	-29.8	70.05	-32.5	68.76	-33.2	59.77	-23.8	54.55	-20.1	79	-42.3	65.58	-25.7
9/28/22	7:13	1318	72°F Sunny	3107717	4,736,000	3593	3,107,717,000	17	211		67.94	-29.3	66.65	-28.6	67.12	-29.3	68.58	-31.2	67.05	-29.2	67.63	-30.0	70.15	-32.6	68.86	-33.3	59.8	-23.8	54.56	-20.1	79.6	-42.9	65.75	-25.9
9/29/22	7:56	1483	60 Sunny	3113057	5,340,000	3601	3,113,057,000	17	212		68.04	-29.4	66.73	-28.6	68.2	-30.4	68.77	-31.4	67.1	-29.3	67.7	-30.0	70.21	-32.7	68.95	-33.4	59.88	-23.9	54.6	-20.1	80.08	-43.4	66	-26.1
9/30/22	7:00	1384	69°F Sunny	3118030	4,973,000	3593	3,118,030,000	17	211		67.93	-29.3	66.7	-28.6	67.2	-29.4	68.65	-31.3	67.1	-29.3	67.6	-29.9	70.22	-32.7	68.87	-33.3	59.82	-23.8	54.6	-20.1	80.12	-43.4	65.85	-26.0
10/1/22	7:00	1440	°F	3123192	5,162,000	3585	3,123,192,000	17	211																									
10/3/22	7:58	2938	71 Sunny	3133719	10,527,000	3583	3,133,719,000	17	211		68.2	-29.6	66.9	-28.8	67.51	-29.7	68.93	-31.5	67.45	-29.6	67.92	-30.2	70.4	-32.8	69.07	-33.5	60.04	-24.0	54.7	-20.2	88.89	-52.2	66.05	-26.2
10/4/22	7:21	1403	68°F Sunny	3138758	5,039,000	3592	3,138,758,000	17	211		68.2	-29.6	66.9	-28.8	67.4	-29.6	69.07	-31.7	67.63	-29.8	67.95	-30.3	70.4	-32.8	69.03	-33.5	60.1	-24.1	54.75	-20.3	82.39	-45.7	66.2	-26.3
10/5/22	7:12	1431	67°F PartlySunny	3143896	5,138,000	3590	3,143,896,000	17	211		68.27	-29.7	66.98	-28.9	67.2	-29.4	69.14	-31.8	67.7	-29.9	68	-30.3	70.27	-32.7	69.1	-33.6	60.1	-24.1	54.79	-20.3	82.45	-45.7	66.22	-26.3
10/6/22	8:09	1497	68°F Sunny	3149264	5,368,000	3586	3,149,264,000	17	211		68.4	-29.8	67.04	-29.0	67.57	-29.8	69.26	-31.9	67.89	-30.1	68.14	-30.5	70.35	-32.8	69.16	-33.6	60.15	-24.1	54.8	-20.3	82.92	-46.2	66.27	-26.4
10/7/22	7:35	1406	65°F Sunny	3154292	5,028,000	3576	3,154,292,000	17	210		68.48	-29.9	67.11	-29.0	67.67	-29.9	69.34	-32.0	67.84	-30.0	68.18	-30.5	70.41	-32.9	69.2	-33.7	60.2	-24.2	54.8	-20.3	83.2	-46.5	66.3	-26.4
10/10/22	9:07	4412	70°F Sunny	3170030	15,738,000	3567	3,170,030,000	17	210		68.67	-30.1	67.27	-29.2	67.85	-30.1	69.59	-32.2	68.05	-30.2	68.35	-30.7	70.58	-33.0	69.3	-33.8	60.34	-24.3	54.92	-20.4	84.4	-47.7	66.4	-26.5
10/11/22	8:42	1415	64°F Sunny	3175071	5,041,000	3563	3,175,071,000	17	210		68.71	-30.1	67.3	-29.2	67.9	-30.1	69.7	-32.3	68.14	-30.3	68.38	-30.7	70.6	-33.0	69.31	-33.8	60.32	-24.3	54.91	-20.4	84.86	-48.1	66.46	-26.6
10/12/22	8:53	1451	76 °F Raining	3180237	5,166,000	3560	3,180,237,000	17	209		68.65	-30.1	67.27	-29.2	67.88	-30.1	69.66	-32.3	68.1	-30.3	68.38	-30.7	70.61	-33.1	69.28	-33.7	60.32	-24.3	54.9	-20.4	84.75	-48.0	66.46	-26.6
10/13/22	9:05	1452	75°F Sunny	3185403	5,166,000	3558	3,185,403,000	17	209		68.89	-30.3	67.36	-29.3	68	-30.2	69.8	-32.4	68.2	-30.4	68.53	-30.9	70.72	-33.2	69.47	-33.9	60.4	-24.4	54.93	-20.5	85.46	-48.7	66.55	-26.7
10/14/22	9:27	1462	71°F Sunny	3190621	5,218,000	3569	3,190,621,000	17	210		69.02	-30.4	67.53	-29.4	68.2	-30.4	70	-32.6	68.41	-30.6	68.75	-31.1	70.9	-33.3	68.65	-33.1	60.48	-24.5	55	-20.5	85.83	-49.1	66.54	-26.7
10/17/22	9:43	4336	72 °F Cloudy	3206111	15,490,000	3572	3,206,111,000	17	210		69.12	-30.5	67.62	-29.5	68.28	-30.5	70.13	-32.7	68.54	-30.7	68.82	-31.1	70.92	-33.4	69.65	-34.1	60.52	-24.5	55	-20.5	86.6	-49.9	66.68	-26.8
10/18/22	11:16	1533	57°F Sunny	3211582	5,471,000	3569	3,211,582,000	17	210		69.47	-30.9	67.72	-29.6	68.35	-30.6	70.15	-32.8	68.56	-30.7	68.93	-31.3	70.9	-33.3	69.78	-34.2	60.6	-24.6	55	-20.5	87.1	-50.4	66.86	-27.0
10/19/22	8:54	1298	47°F Sunny	3216222	4,640,000	3575	3,216,222,000	17	210		69.45	-30.9	67.8	-29.7	68.55	-30.8	70.25	-32.9	68.7	-30.9	69.08	-31.4	71	-33.4	69.81	-34.3	60.72	-24.7	55.1	-20.6	87.7	-51.0	67.02	-27.1
10/20/22	7:35	1361	47 Sunny	3221085	4,863,000	3573	3,221,085,000	17	210		69.4	-30.8	67.8	-29.7	68.45	-30.7	70.2	-32.8	68.7	-30.9	69	-31.3	70.95	-33.4	69.72	-34.2	60.65	-24.6	55	-20.5	87.87	-51.1	67	-27.1
10/21/22	7:39	1444	64 Sunny	3226238	5,153,000	3569	3,226,238,000	17	210		69.46	-30.9	67.82	-29.7	68.52	-30.7	70.27	-32.9	68.7	-30.9	69.08	-31.4	71.04	-33.5	69.75	-34.2	60.74	-24.7	55.1	-20.6	88.14	-51.4	67.17	-27.3
10/24/22	9:27	4428	74°F Mostly Cloudy	3241987	15,749,000	3557	3,241,987,000	17	209		69.62	-31.0	68	-29.9	68.72	-30.9	70.5	-33.1	68.86	-31.0	69.27	-31.6	71.18	-33.6	69.85	-34.3	60.8	-24.8	55.13	-20.7	88.2	-51.5	67.05	-27.2
10/25/22	8:46	1399	77°F Mostly Cloudy	3246943	4,956,000	3543	3,246,943,000	17	208		69.55	-31.0	67.7	-29.6	68.71	-30.9	70.48	-33.1	68.89	-31.1	69.24	-31.6	71.15	-33.6	69.81	-34.3	60.77	-24.8	55.09	-20.6	88.73	-52.0	67	-27.1
10/26/22	7:55	1389	59°F Sunny	3251867	4,924,000	3545	3,251,867,000	17	209		69.75	-31.2	68.11	-30.0	68.9	-31.1	70.7	-33.3	69.06	-31.2	69.44	-31.8	71.31	-33.8	69.97	-34.4	60.89	-24.9	55.18	-20.7	88.77	-52.0	67.1	-27.2
10/27/22	7:28	1413	54 Sunny	3256872	5,005,000	3542	3,256,872,000	17	208		69.82	-31.2	68.12	-30.0	68.92	-31.1	70.72	-33.3	69.2	-31.4	69.46	-31.8	71.33	-33.8	70	-34.5	60.87	-24.9	55.16	-20.7	89.1	-52.4	67.12	-27.2
10/28/22	7:17	1429	54 Sunny	3261930	5,058,000	3540	3,261,930,000	17	208		69.85	-31.3	68.26	-30.2	69.05	-31.3	70.75	-33.4	69.17	-31.4	69.55	-31.9	71.39	-33.8	70.02	-34.5	60.95	-24.9	55.19	-20.7	89.3	-52.6	67.12	-27.2
10/31/22	7:49	4352	61°F Mostly Sunny	3277159	15,229,000	3499	3,277,159,000	17	206		69.96	-31.4	68.27	-30.2	69.02	-31.2	70.8	-33.4	69.44	-31.6	69.647	-32.0	71.37	-33.8	70	-34.5	60.95	-24.9	54.92	-20.4	61.23	-24.5	67.15	-27.3
11/1/22	7:56	1447	60°F Mostly Cloudy	3282208	5,049,000	3489	3,282,208,000	17	205		70.06	-31.5	68.33	-30.2	69.12	-31.3	70.92	-33.5	69.52	-31.7	69.75	-32.1	71.46	-33.9	70.06	-34.5	60.99	-25.0	54.65	-20.2	61.32	-24.6	67.12	-27.2
11/2/22	7:55	1439	70°F Sunny	3287215	5,007,000	3479	3,287,215,000	17	205		70.08	-31.5	68.39	-30.3	69.12	-31.3	70.94	-33.6	69.55	-31.7	69.75	-32.1	71.46	-33.9	70.04	-34.5	60.94	-24.9	54.9	-20.4	61.36	-24.6	67.12	-27.2
11/3/22	7:40	1425	75°F Sunny	3292169	4,954,000	3476	3,292,169,000	17	204		70.05	-31.5	68.34	-30.3	69.12	-31.3	70.93	-33.5	69.55	-31.7	69.74	-32.1	71.46	-33.9	70.02	-34.5	60.96	-25.0	54.87	-20.4	61.43	-24.7	67.12	-27.2
11/7/22	7:46	5766	61°F Sunny	3312471	20,302,000	3521	3,312,471,000	17	207		70.27	-31.7	68.5	-30.4	69.35	-31.6	71.2	-33.8	70.58	-32.8	69.97	-32.3	71.64	-34.1	70.12	-34.6	61.1	-25.1	54.95	-20.5	64.91	-28.2	67.1	-27.2
11/8/22	7:08	1402	76°F Sunny	3317354	4,883,000	3483	3,317,354,000	17	205		70.26	-31.7	68.48	-30.4	69.35	-31.6	71.2	-33.8	70.57	-32.8	70	-32.3	71.65	-34.1	70.08	-34.5	61.05	-25.0	54.9	-20.4	65.02	-28.3	67.14	-27.3
11/9/22	9:17	1569	66°F Sunny	3322821	5,467,000	3484	3,322,821,000	17	205		70.3	-31.7	68.53	-30.4	69.4	-31.6	71.24	-33.9	70.66	-32.8	70.03	-32.4	71.69	-34.1	70.11	-34.6	61.06	-25.1	54.91	-20.4	65	-28.3	67.02	-27.1
11/10/22	7:40	1343	66°F Sunny	3327502	4,681,000	3485	3,327,502,000	17	205		70.19	-31.6	68.42	-30.3	69.3	-31.5	71.1	-33.7	70.48	-32.7	68.92	-31.2	71.58	-34.0	70	-34.5	60.91	-24.9	54.75	-20.3	64.95	-28.2	67.1	-27.2
11/11/22	7:26	1426	68°F Sunny	3332482	4,980,000	3492	3,332,482,000	17	205		70.22	-31.6	68.48	-30.4	69.34	-31.6	71.69	-34.3	70.9	-33.1	70	-32.3	71.55	-34.0	70.16	-34.6	61.02	-25.0	54.76	-20.3	65.34	-28.6	67.2	-27.3
11/14/22	7:31	4325	47 Sunny	3347618	15,136,000	3500	3,347,618,000	17	206		70.43	-31.8	68.61	-30.5	69.54	-31.8	71.95	-34.6	72.16	-34.3	70.19	-32.5	71.72	-34.2	70.25	-34.7	61.1	-25.1	54.82	-20.3	65.67	-28.9	67.21	-27.3
11/15/22	7:17	1426	60 Cloudy	3352615	4,997,000	3504	3,352,615,000	17	206		70.25	-31.7	68.54	-30.5	69.5	-31.7	71.86	-34.5	72.06	-34.2	70.14	-32.5	71.65	-34.1	70.16	-34.6	61	-25.0	54.78	-20.3	65.71	-29.0	67.12	-27.2

KELLER

Plant Daniel ATB Pumps Running target El: 1

Date	Time	Elapsed Time (min)	Weather	Flow Totalizer (x1000 gal)	Daily Discharge (gal)	Flow Rate Avg (gpm)	Cumulative Discharge (gal)	# Wells Pumping	Avg. Flow Per Well (gpm)	Well ID:	P-1		P-2		P-3		P-4		P-5 (aka P-19)		P-6		P-7		P-8		P-9		P-10		P-11		P-12	
										Grade El:	38.6		38.09		37.79		37.39		37.82		37.68		37.56		35.55		36.01		34.48		36.73		39.89	
										Casing El:	40.97		40.72		40.4		39.97		40.87		40.09		39.57		38.53		38.75		38.47		38.99		41.31	
											Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)
11/16/22	8:25	1508	47 °F Cloudy	3357891	5,276,000	3499	3,357,891,000	17	206		70.56	-32.0	68.68	-30.6	69.67	-31.9	72.06	-34.7	72.34	-34.5	70.3	-32.6	71.8	-34.2	70.23	-34.7	61.1	-25.1	54.82	-20.3	65.75	-29.0	67.05	-27.2
11/17/22	7:14	1369	45 °F Cloudy	3362653	4,762,000	3478	3,362,653,000	17	205		70.4	-31.8	68.58	-30.5	69.56	-31.8	71.94	-34.6	72.19	-34.4	70.25	-32.6	71.72	-34.2	70.12	-34.6	61	-25.0	54.74	-20.3	65.65	-28.9	67	-27.1
11/18/22	8:04	1490	42 °F Sunny	3367837	5,184,000	3479	3,367,837,000	17	205		70.42	-31.8	68.58	-30.5	69.59	-31.8	71.91	-34.5	72.42	-34.6	70.31	-32.6	71.75	-34.2	70.19	-34.6	61.02	-25.0	54.72	-20.2	65.76	-29.0	67.24	-27.4
11/21/22	8:00	4316	47 °F Sunny	3382832	14,995,000	3474	3,382,832,000	17	204		70.47	-31.9	68.6	-30.5	69.61	-31.8	72	-34.6	72.58	-34.8	70.42	-32.7	71.8	-34.2	70.18	-34.6	61.1	-25.1	54.73	-20.3	66.03	-29.3	67.02	-27.1
11/22/22	7:06	1386	47 °F Cloudy	3387640	4,808,000	3469	3,387,640,000	17	204		70.45	-31.9	68.59	-30.5	69.6	-31.8	72.02	-34.6	72.38	-34.6	70.42	-32.7	71.8	-34.2	70.12	-34.6	61.08	-25.1	54.7	-20.2	66	-29.3	67.08	-27.2
11/29/22	8:22	10156	72 °F Cloudy	3423230	35,590,000	3504	3,423,230,000	17	206		70.18	-31.6	68.43	-30.3	69.29	-31.5	71	-33.6	72.54	-34.7	70.6	-32.9	71.4	-33.8	69.7	-34.2	60.52	-24.5	54.22	-19.7	65.41	-28.7	66.1	-26.2
11/30/22	8:25	1443	71 °F PartlyCloudy	3428422	5,192,000	3598	3,428,422,000	17	212		70.24	-31.6	68.47	-30.4	69.32	-31.5	71.29	-33.9	73	-35.2	70.7	-33.0	71.45	-33.9	69.65	-34.1	60.52	-24.5	54.24	-19.8	65.1	-28.4	65.84	-26.0
12/1/22	7:51	1406	45°F MostlySunny	3433366	4,944,000	3516	3,433,366,000	17	207		70.25	-31.7	68.4	-30.3	69.34	-31.6	71.18	-33.8	72.4	-34.6	70.67	-33.0	71.48	-33.9	69.54	-34.0	60.36	-24.4	54.08	-19.6	67.7	-31.0	65.3	-25.4
12/2/22	7:54	1443	52 °F Cloudy	3438455	5,089,000	3527	3,438,455,000	17	207		70.05	-31.5	68.3	-30.2	69	-31.2	71.1	-33.7	71.89	-34.1	70.44	-32.8	71.35	-33.8	69.34	-33.8	60.12	-24.1	53.85	-19.4	67.48	-30.8	65.08	-25.2
12/5/22	8:10	4336	64 °F Cloudy	3453757	15,302,000	3529	3,453,757,000	17	208		69.67	-31.1	68.1	-30.0	68.8	-31.0	70.76	-33.4	71.24	-33.4	70.21	-32.5	69.26	-31.7	60	-24.5	53.73	-17.7	67	-32.5	65.24	-28.5	64.22	-24.3
12/6/22	8:20	1450	71 °F Cloudy	3458875	5,118,000	3530	3,458,875,000	17	208		69.75	-31.2	68.1	-30.0	69	-31.2	70.82	-33.4	71.4	-33.6	70.3	-32.6	71.27	-33.7	69.33	-33.8	60.09	-24.1	53.77	-19.3	66.86	-30.1	65.36	-25.5
12/7/22	10:41	1581	78 °F Sunny	3464191	5,316,000	3362	3,464,191,000	16	210		69.8	-31.2	68.1	-30.0	68.82	-31.0	70.78	-33.4	71.28	-33.5	70	-32.3	70.81	-33.3	54.12	-18.6	59.57	-23.6	53.57	-19.1	66.53	-29.8	65.5	-25.6
12/8/22	7:09	1228	68 °F Cloudy	3468533	4,342,000	3536	3,468,533,000	17	208		69.61	-31.0	68	-29.9	68.67	-30.9	70.65	-33.3	71	-33.2	69.9	-32.2	71.02	-33.5	69.15	-33.6	59.95	-23.9	53.65	-19.2	66.35	-29.6	65.6	-25.7
12/9/22	8:25	1516	66 °F Cloudy	3473901	5,368,000	3541	3,473,901,000	17	208		69.55	-31.0	67.96	-29.9	68.63	-30.8	70.61	-33.2	70.9	-33.1	69.94	-32.3	71.1	-33.5	69.25	-33.7	60	-24.0	53.7	-19.2	67.24	-30.5	65.68	-25.8
12/12/22	9:08	4363	64 °F Cloudy	3489290	15,389,000	3527	3,489,290,000	17	207		69.47	-30.9	67.92	-29.8	68.58	-30.8	70.56	-33.2	70.75	-32.9	69.94	-32.3	71.1	-33.5	69.3	-33.8	60	-24.0	53.75	-19.3	67.2	-30.5	65.82	-25.9
12/13/22	11:01	1553	72°F MostlyCloudy	3494759	5,469,000	3522	3,494,759,000	17	207		69.45	-30.9	67.81	-29.7	68.55	-30.8	70.62	-33.2	71	-33.2	69.8	-32.1	70.96	-33.4	69.2	-33.7	60	-24.0	53.73	-19.3	67.3	-30.6	65.85	-26.0
12/14/22	7:35	1234	75°F MostlyCloudy	3499127	4,368,000	3540	3,499,127,000	17	208		69.4	-30.8	67.78	-29.7	68.54	-30.8	70.55	-33.2	70.67	-32.9	69.76	-32.1	70.9	-33.3	69.23	-33.7	60	-24.0	53.73	-19.3	68.47	-31.7	65.98	-26.1
12/15/22	12:41	1746	59 °F Sunny	3505259	6,132,000	3512	3,505,259,000	17	207		69.58	-31.0	67.88	-29.8	68.7	-30.9	70.7	-33.3	70.73	-32.9	69.83	-32.2	70.8	-33.2	54.33	-18.8	59.7	-23.7	53.82	-19.3	68.45	-31.7	66	-26.1
12/16/22	7:16	1115	47 °F Sunny	3509198	3,939,000	3533	3,509,198,000	17	208		69.59	-31.0	67.91	-29.8	68.7	-30.9	70.75	-33.4	70.7	-32.9	69.92	-32.2	71.06	-33.5	69.1	-33.6	60.38	-24.4	53.97	-19.5	68.8	-32.1	66.05	-26.2
12/19/22	7:00	4304	39 °F Cloudy	3524400	15,202,000	3532	3,524,400,000	17	208		69.6	-31.0	67.93	-29.8	68.71	-30.9	70.8	-33.4	70.8	-33.0	70	-32.3	71.14	-33.6	69.25	-33.7	60.35	-24.3	54.02	-19.5	68.55	-31.8	66.05	-26.2
12/20/22	6:56	1436	49 °F Cloudy	3529469	5,069,000	3530	3,529,469,000	17	208		69.43	-30.8	67.82	-29.7	68.6	-30.8	70.68	-33.3	70.4	-32.6	69.85	-32.2	71	-33.4	69.13	-33.6	60.25	-24.2	53.93	-19.5	68.27	-31.5	66.02	-26.1
12/21/22	7:13	1457	48 °F Cloudy	3534605	5,136,000	3525	3,534,605,000	17	207		69.39	-30.8	67.81	-29.7	68.6	-30.8	70.7	-33.3	70.65	-32.8	69.88	-32.2	71.04	-33.5	69.13	-33.6	60.25	-24.2	53.9	-19.4	68.2	-31.5	65.75	-25.9
12/22/22	6:42	1409	51°F LightRain	3539527	4,922,000	3493	3,539,527,000	17	205		69.15	-30.6	67.68	-29.6	68.65	-30.9	70.35	-33.0	70.38	-32.6	69.73	-32.1	70.94	-33.4	69.13	-33.6	60.18	-24.2	52.88	-18.4	68.89	-32.2	64.87	-25.0
12/27/22	7:19	7237	45 °F Sunny	3564716	25,189,000	3481	3,564,716,000	17	205		70.67	-32.1	68.35	-30.3	69.04	-31.3	70.56	-33.2	70.05	-32.2	69.01	-31.3	70.19	-32.6	53.74	-18.2	59.4	-23.4	53.59	-19.1	68.95	-32.2	66.15	-26.3
12/28/22	7:17	1438	50 °F Sunny	3569519	4,803,000	3340	3,569,519,000	16	209		70.6	-32.0	68.1	-30.0	69.9	-32.1	70.4	-33.0	69.82	-32.0	68.82	-31.1	70.14	-32.6	53.77	-18.2	59.46	-23.5	53.62	-19.1	68.91	-32.2	66.25	-26.4
12/29/22	7:17	1440	67°F PartlyCloudy	3574359	4,840,000	3361	3,574,359,000	16	210		70.5	-31.9	68.14	-30.1	68.95	-31.2	70.5	-33.1	70.03	-32.2	69	-31.3	70.22	-32.7	53.83	-18.3	59.57	-23.6	53.68	-19.2	70.2	-33.5	66.39	-26.5
12/30/22	7:38	1461	67 °F Cloudy	3579225	4,866,000	3331	3,579,225,000	16	208		69.65	-31.1	67.95	-29.9	68.6	-30.8	70.33	-32.9	70.22	-32.4	68.8	-31.1	69.97	-32.4	53.7	-18.2	59.85	-23.8	53.66	-19.2	69.97	-33.2	66.3	-26.4
1/1/23	11:00	3082	°F	3590108	10,883,000	3531	3,590,108,000	17	208																									
1/3/23	7:08	2648	74°F PartlySunny	3599420	9,312,000	3517	3,599,420,000	17	207		69.3	-30.7	67.75	-29.7	68.52	-30.7	70.44	-33.1	70.2	-32.4	69.44	-31.8	70.74	-33.2	68.65	-33.1	60.05	-24.0	53.6	-19.1	69.34	-32.6	65.65	-25.8
1/4/23	7:19	1451	61 °F Sunny	3604521	5,101,000	3516	3,604,521,000	17	207		69.38	-30.8	67.82	-29.7	68.6	-30.8	70.6	-33.2	70.36	-32.5	69.85	-32.2	70.9	-33.3	68.7	-33.2	60.08	-24.1	53.6	-19.1	69.25	-32.5	65.65	-25.8
1/5/23	7:42	1463	48 °F Sunny	3609656	5,135,000	3510	3,609,656,000	17	206		69.37	-30.8	67.8	-29.7	68.6	-30.8	70.65	-33.3	70.43	-32.6	69.75	-32.1	71.03	-33.5	67.8	-32.3	60.1	-24.1	53.58	-19.1	69.12	-32.4	65.42	-25.5
1/6/23	8:02	1460	53 °F Sunny	3614770	5,114,000	3503	3,614,770,000	17	206		69.3	-30.7	67.72	-29.6	68.53	-30.7	70.61	-33.2	70.33	-32.5	69.7	-32.0	70.94	-33.4	68.7	-33.2	60	-24.0	53.51	-19.0	68.83	-32.1	65.22	-25.3
1/9/23	9:35	4413	41 °F Sunny	3630216	15,446,000	3500	3,630,216,000	17	206		69.1	-30.5	67.56	-29.5	68.53	-30.7	70.66	-33.3	70.7	-32.9	69.6	-31.9	70.77	-33.2	68.6	-33.1	59.95	-23.9	53.35	-18.9	69.6	-32.9	65.2	-25.3
1/10/23	7:26	1311	58 °F Sunny	3634819	4,603,000	3511	3,634,819,000	17	207		68.97	-30.4	67.48	-29.4	68.49	-30.7	70.52	-33.1	70.33	-32.5	69.52	-31.8	70.73	-33.2	68.53	-33.0	60	-24.0	53.4	-18.9	69.32	-32.6	65.25	-25.4
1/11/23	7:51	1465	66 °F Cloudy	3639958	5,139,000	3508	3,639,958,000	17	206		68.85	-30.3	67.44	-29.4	68.44	-30.7	70.51	-33.1	70.23	-32.4	69.52	-31.8	70.71	-33.2	68.53	-33.0	59.9	-23.9	53.4	-18.9	69.38	-32.7	65.29	-25.4
1/12/23	7:27	1416	69 °F Cloudy	3644920	4,962,000	3504	3,644,920,000	17	206		68.82	-30.2	67.4	-29.3	68.43	-30.6	70.5	-33.1	70.16	-32.3	69.51	-31.8	70.72	-33.2	68.55	-33.0	59.9	-23.9	53.4	-18.9	69.31	-32.6	65.29	-25.4
1/13/23	8:19	1492	46 °F Cloudy	3650146	5,226,000	3503	3,650,146,000	17	206		69	-30.4	67.5	-29.4	68.57	-30.8	70.7	-33.3	70.37	-32.6	69.79	-32.1	70.89	-33.3	68.66	-33.1	60.08	-24.1	53.53	-19.1	69.63	-32.9	65.43	-25.5
1/16/23	8:15	4316	56 °F Cloudy	3665213	15,067,000	3491	3,665,213,000	17	205		68.75	-30.2	67.35	-29.3	68.35	-30.6	70.48	-33.1	70.3	-32.5	69.49	-31.8	70.75	-33.2	68.6	-33.1	60	-24.0	53.5	-19.0	70	-33.3	65.53	-25.6
1/17/23		945	67 °F Cloudy	3665213	0	0	3,665,213,000	0			54	-15.4	55.36	-17.3	56.67	-18.9	56.73	-19.3	58	-20.2	56.51	-18.8	53.42	-15.9	51.3	-15.8	50.33	-14.3	50.1	-15.6	50.66	-13.9	51.62	-11.7
1/18/23		1440	67 °F Cloudy	3665213	0	0	3,665,213,000	0			53.1	-14.5	54.35	-16.3	55.62	-17.8	54.79	-17.4	57.05	-19.2	55.54	-17.9	52.55	-15.0	50.58	-15.0	49.85	-13.8	49.7	-15.2	50.3	-13.6	51.27	-11.4
1/19/23		1440	60 °F Cloudy	3665213	0	0	3,665,213,000	0			52.45	-13.9	53.6	-15.5	54.83	-17.0	55.08	-17.7	56.47	-18.7	54.83	-17.2	51.9	-14.3	50.05	-14.5	49.55	-13.5	49.32	-14.8	50.05	-13.3	51	-11.1
1/20/23		1440	51 °F Sunny	3665213	0	0	3,665,213,000	0			51.85	-13.3	52.9	-14.8	54.14	-16.4	54.4	-17.0	55.83	-18.0	54.18	-16.5	51.32	-13.8	49.6	-14.1	49.1	-13.1	48.98	-14.5	49.73	-13.0	50.73	-10.8
1/23/23		4320	42 °F Sunny	3665213	0	0	3,665,213,000	0			50.1	-11.5	51.08	-13.0	52.21	-14.4	52.57	-15.2	54	-16.2	52.41	-14.7	49.85	-12.3	48.3	-12.8	48.17	-12.2	48.08	-13.6	48.96	-12.2	49.88	-10.0
1/24/23		1440	46 °F Cloudy	3665213	0	0	3,665,213,000	0			49.39	-10.8	50.3	-12.2	51.47	-13.7	51.82	-14.4	53.28	-15.5	51.77	-14.1	49.24	-11.7	47.71	-12.2	47.71	-11.7	47.63	-13.2	48.55	-11.8	49.6	-9.7
1/25/23		1440	56 °F Sunny	3665213	0	0	3,665,213,000	0			48.57	-10.0	49.6	-11.5	50.66	-12.9	51.12	-13.7	52.63	-14.8	51.02	-13.3	48.61	-11.1	47.19	-11.6	47.26	-11.3	47.25	-12.8	48.24	-11.5	49.15	-9.3
1/26/23		1440	45 °F Sunny	3665213	0	0	3,665,213,000	0			48.5	-9.9	49.38	-11.3	50.47	-12.7	50.85	-13.5	52.31	-14.5	50.81	-13.1	48.53	-11.0	47.06	-11.5	47.21	-11.2	47.17	-12.7	48.15	-11.4	49	-9.1
1/27/23		1440	37 °F Sunny	3665213	0	0	3,665,213,000	0			48.3	-9.7	49.3	-11.2	50.08	-12.3	50.45	-13.1	51.92	-14.1	50.45	-12.8	48.5	-10.9	65.55	-30.0	57.6	-21.6	50.12	-15.6	72.6	-35.9	57.7	-17.8
1/30/23		4320	68 °F Cloudy	3665213	0	0	3,665,213,000	0			46.82	-8.2	47.8	-9.7	47.41	-9.6	48.86	-11.5	50.32	-12.5	48.87	-11.2	47.07	-9.5	64.37	-28.8	56.55	-20.5	49.2	-14.7	70.19	-33.5	68.15	-28.3
1/31/23		1440	67°F Foggy	3665213	0	0	3,665,213,000	0			46.61	-8.0	47.4	-9.3	48.02	-10.2	48.6	-11.2	50	-12.2	48.55	-10.9	46.52	-9.0	45.48	-9.9	46	-10.0	46.1	-11.6	47.25	-10.5	48	-8.1
2/1/23		1440	59°F PartlyCloudy	3665213	0	0	3,665,213,000	0			46.18	-7.6	46.92	-8.8	47.56	-9.8	48.05	-10.7	49.52	-11.7	48.07	-10.4	46.1	-8.5	45.13	-9.6	45.61	-9.6	45.78	-11.3	46.9	-10.2	47.6	-7.7
2/2/23		1440	55 °F Cloudy	3665213	0	0	3,665,213,000	0			45.64	-7.0	46.37	-8.3	47	-9.2	47.5	-10.1	48.95	-11.1	47.53	-9.9	45.66	-8.1	44.6	-9.1	45.6	-9.6	45.33	-10.9	46.55	-9.8	47.18	-7.3
2/6/23		5760	46 °F Sunny	3665213	0	0	3,665,213,000	0			44	-5.4	44.6	-6.5	45.2	-7.4	45.4	-8.0	47.1	-9.3	45.65	-8.0	43.95	-6.4	43.2	-7.7	44	-8.0	44.2	-9.7	45.45	-8.7	46.1	-6.2
2/7/23		1440	64 °F Cloudy	3665213	0	0	3,665,213,000	0			43.63	-5.0	44.29	-6.2	44.69	-6.9	44.96	-7.6	46.49	-8.7	45.2	-7.5	43.7	-6.1	42.81	-7.3	43.68	-7.7	43.95	-9.5	45.17	-8.4	45.8	-5.9
2/8/23		1440	70 °F Sunny	3665213	0	0	3,665,213,000	0			43.28	-4.7	43.85	-5.8	44.2	-6.4	44.5	-7.1	46.04	-8.2	44.64	-7.0	43	-5.4	42.45	-6.9	43.45	-7.4	44.6	-10.1	44.88	-8.2	45.47	-5.6
2/9/23		1440	64°F LightRain	3665213	0	0	3,665,213,000	0			42.97	-4.4	43.44	-5.3	43.8	-6.0	44.06	-6.7	45.45	-7.6	44.2	-6.5	42.6	-5.0	42.05	-6.5	43	-7.0	43.25	-8.8	44.57	-7.8	45.1	-5.2
2/10/23		1440	56 °F Cloudy	3665213	0	0	3,665,213,000	0			42	-3.4	43.15	-5.1	43.43	-5.6	43.57	-6.2	44.05	-6.2	43.72	-6.0	42.24	-4.7	41.7	-6.2	42.7	-6.7	42.95	-8.5	44.26	-7.5	44.8	-4.9
2/13/23		4320	68 °F Sunny	3665213	0	0	3,665,213,000	0			41.48	-2.9	42.07	-4.0	42.18	-4.4	42.25	-4.9	43.6	-5.8	42.31	-4.6	41	-3.4	40.54	-5.0	41.66	-5.7	41.95	-7.5	43.2	-6.5	43.64	-3.8
2/14/23		1440	65 °F Sunny	3665213	0	0	3,665,213,000	0			41.18	-2.6	41.63	-3.5	42	-4.2	41.8	-4.4	43.24	-5.4	41.93	-4.3	40.7	-3.1	40.31	-4.8	41.5	-5.5	41.75	-7.3	43.05	-6.3	43.54	-3.7
2/15/23		1440	69 °F Cloudy	3665213	0	0	3,665,213,000	0			41.1	-2.5	41.43	-3.3	41.5	-3.7	41.49	-4.1	42.98	-5.2	41.7	-4.0	40.45	-2.9	40.1	-4.6	41.2	-5.2	41.7	-7.2	42.83	-6.1	43.34	-3.5
2/16/23		1440	69 °F Cloudy	3665213	0	0	3,665,213,000	0			40.69	-2.1	41	-2.9	41.19	-3.4	41.14	-3.8	42.58	-4.8	41.34	-3.7	40.08	-2.5	39.88	-4.3	41.11	-5.1	41.3	-6.8	42.53	-5.8	43.2	-3.3
2/20/23		5760	74 °F Sunny	3665213	0	0	3,665,213,000	0			44.2	-5.6	44.78	-6.7	44.44	-6.7	43.8	-6.4	45.14	-7.3	43.88	-6.2	42.55	-5.0	44.26	-8.7	54.7	-18.7	49.25	-14.8	71.4	-34.7	65.8	-25.9

100 Stickle Avenue
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Plant Daniel ATB

Job 1741-1030

Date	Time	P-13		P-14		P-15		P-16		P-17		P-18		OW-1		OW-2		OW-3		OW-4		BAW-1		BAW-2A		BAW-3		BAW-4		BAW-5		BAW-7		OW Drawdown	Notes
		39.01		38.95		38.39		38.75		38.42		39.66		36.15		38.32		38.38		37.65														
		41.1		40.66		40.49		41.16		40.62		41.89		38.13		41.21		40.42		40.05		32.24		41.15		40.62		37.05		39.93		35.05			
		Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	ft/day	
1/8/21	13:30	34.16	4.9	33.24	5.7	32.62	5.8	33.02	5.7	32.25	6.2	33.16	6.5	27.70	10.43	34.11	7.10	32.78	7.64	31.65	8.40	N/A		N/A		N/A		N/A		N/A		N/A			
1/12/21	14:30														10.30		6.99		7.53		8.31		8.67		7.79		7.40		5.72		5.70		7.37		
1/13/21	7:38	57.1	-18.1	38.45	0.5	38.82	-0.4	48.49	-9.7	39.01	-0.6	39.82	-0.2	28.85	9.28	39.62	1.59	38.25	2.17	38.52	1.53	N/A		N/A		N/A		N/A		N/A		N/A		-6.5	
1/13/21	9:44	56.58	-17.6	45.98	-7.0	54.2	-15.8	50.29	-11.5	49.84	-11.4	47.74	-8.1	29.01	9.12	39.08	2.13	40.25	0.17			N/A		N/A		N/A		N/A		N/A		N/A		-9.0	
1/13/21	13:27	57.82	-18.8	47.41	-8.5	55.75	-17.4	51.9	-13.2	51.37	-13.0	49.2	-9.5	29.29	8.84	40.14	1.07	41.79	-1.37	42.11	-2.06	N/A		N/A		N/A		N/A		N/A		N/A		-8.0	
1/14/21	8:21	37.37	1.6	36.86	2.1	37	1.4	37.57	1.2	37.2	1.2	37.39	2.3	30.03	8.10	37.29	3.92	36.67	3.75	36.47	3.58	N/A		N/A		N/A		N/A		N/A		N/A		4.1	
1/14/21	13:36					55.56	-17.2							30.09	8.04	37.57	3.64	37.92	2.50	36.13	3.92	N/A		N/A		N/A		N/A		N/A		N/A		-1.4	
1/15/21	7:15	38.14	0.9	37.73	1.2	55.63	-17.2	38.46	0.3	37.69	0.7	38.66	1.0	30.43	7.70	37.89	3.32	38.14	2.28	36.14	3.91	N/A		N/A		N/A		N/A		N/A		N/A		-0.3	
1/18/21	7:30	38.03	1.0	37.06	1.9	37.03	1.4	37.2	1.6	37.08	1.3	38.4	1.3	31.34	6.79	37.86	3.35	36.61	3.81	35.74	4.31	N/A		N/A		N/A		N/A		N/A		N/A		0.1	
1/19/21	9:53	39.8	-0.8	39.3	-0.4	40.0	-1.6	48.2	-9.5	40.3	-1.8	40.0	-0.3	31.8	6.29	39.4	1.78	39.3	1.10	42.1	-2.06	N/A		N/A		N/A		N/A		N/A		N/A		-2.5	
1/20/21	10:16	40.29	-1.3	39.93	-1.0	40.64	-2.3	49.21	-10.5	40.99	-2.6	41.7	-2.0	32.12	6.01	39.99	1.22	39.96	0.46	42.34	-2.29	N/A		N/A		N/A		N/A		N/A		N/A		-0.4	
1/21/21	10:33	39.98	-1.0	39.44	-0.5	40.06	-1.7	48.64	-9.9	40.3	-1.9	41.03	-1.4	32.2	5.93	39.68	1.53	39.4	1.02	40.11	-0.06	N/A		N/A		N/A		N/A		N/A		N/A		0.7	
1/22/21	8:13	39.91	-0.9	39.44	-0.5	39.4	-1.0	48.67	-9.9	40.3	-1.9	41.02	-1.4	32.24	5.89	39.7	1.51	39.4	1.02	40.05	0.00	N/A		N/A		N/A		N/A		N/A		N/A		0.0	
1/25/21	7:45	39.87	-0.9	39.61	-0.7	40.2	-1.8	49.17	-10.4	40.43	-2.0	41.19	-1.5	32.69	5.44	39.87	1.34	39.58	0.84	40.12	-0.07	N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
1/26/21	8:06	40.17	-1.2	39.79	-0.8	40.32	-1.9	49.34	-10.6	40.61	-2.2	41.28	-1.6	32.78	5.35	40	1.21	39.7	0.72	40.26	-0.21	N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
1/27/21	8:02	40.42	-1.4	40.03	-1.1	39.62	-1.2	50.04	-11.3	40.88	-2.5	41.57	-1.9	32.92	5.21	40.22	0.99	40.01	0.41	41.96	-1.91	N/A		N/A		N/A		N/A		N/A		N/A		-0.6	
1/28/21	11:38	40.51	-1.5	40.14	-1.2	40.8	-2.4	50.2	-11.5	41.01	-2.6	41.68	-2.0	33.16	4.97	40.32	0.89	40.11	0.31	39.88	0.17	N/A		N/A		N/A		N/A		N/A		N/A		0.4	
1/29/21	7:34	40.54	-1.5	40.14	-1.2	40.73	-2.3	50.21	-11.5	40.91	-2.5	41.6	-1.9	33.24	4.89	40.3	0.91	40.08	0.34	39.75	0.30	N/A		N/A		N/A		N/A		N/A		N/A		0.0	
1/31/21	23:59																					N/A		N/A		N/A		N/A		N/A		N/A			
2/1/21	9:31	40.78	-1.8	40.98	-2.0	41.17	-2.8	50.65	-11.9	41.34	-2.9	42.02	-2.4	33.46	4.67	40.78	0.43	40.54	-0.12	42.44	-2.39	N/A		N/A		N/A		N/A		N/A		N/A		0.2	
2/2/21	8:13	41.08	-2.1	40.63	-1.7	41.21	-2.8	50.7	-12.0	41.19	-2.8	42.03	-2.4	33.85	4.28	40.85	0.36	40.6	-0.18	42.46	-2.41	N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
2/3/21	8:37	40.09	-1.1	40.05	-1.1	40.81	-2.4	50.22	-11.5	41.05	-2.6	41.71	-2.1	33.63	4.50	39.96	1.25	40.09	0.33	42.07	-2.02	N/A		N/A		N/A		N/A		N/A		N/A		0.5	
2/4/21	8:23	40	-1.0	39.04	-0.1	40.72	-2.3	50.16	-11.4	41	-2.6	41.75	-2.1	33.62	4.51	39.86	1.35	40.01	0.41	42	-1.95	N/A		N/A		N/A		N/A		N/A		N/A		0.1	
2/5/21	8:33	41.09	-2.1	40.7	-1.8	41.24	-2.9	50.7	-12.0	41.44	-3.0	42.05	-2.4	33.64	4.49	40.87	0.34	40.64	-0.22	42.5	-2.45	N/A		N/A		N/A		N/A		N/A		N/A		-0.5	
2/8/21	8:20	41.4	-2.4	41	-2.1	41.59	-3.2	51.07	-12.3	41.69	-3.3	42.35	-2.7	33.99	4.14	41.2	0.01	40.95	-0.53	42.81	-2.76	N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
2/9/21	7:51	41.4	-2.4	41.0	-2.1	41.6	-3.2	51.0	-12.3	41.7	-3.3	42.3	-2.7	34.0	4.11	41.3	-0.04	41.0	-0.54	42.7	-2.68	N/A		N/A		N/A		N/A		N/A		N/A		0.0	
2/10/21	8:44	41.5	-2.5	41.1	-2.1	41.6	-3.2	51.1	-12.3	41.8	-3.3	42.5	-2.8	34.1	4.01	41.3	-0.08	41.0	-0.59	42.8	-2.75	N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
2/11/21	7:25	41.3	-2.3	40.9	-1.9	41.5	-3.1	50.9	-12.2	41.6	-3.2	42.3	-2.6	34.1	4.03	41.1	0.07	40.9	-0.43	42.7	-2.64	N/A		N/A		N/A		N/A		N/A		N/A		0.1	
2/12/21	7:48	41.0	-2.0	40.8	-1.8	41.4	-3.0	51.0	-12.3	41.6	-3.2	42.3	-2.6	34.2	3.96	41.2	0.02	40.8	-0.39	42.7	-2.66	N/A		N/A		N/A		N/A		N/A		N/A		0.0	
2/15/21	7:31	41.2	-2.2	40.8	-1.8	41.5	-3.1	49.8	-11.0	41.5	-3.1	42.2	-2.6	34.3	3.87	41.0	0.20	41.0	-0.56	42.6	-2.53	N/A		N/A		N/A		N/A		N/A		N/A		0.0	
2/16/21	8:03	42.2	-3.2	50.9	-12.0	42.6	-4.2	51.7	-12.9	42.3	-3.9	43.0	-3.3	34.4	3.69	41.9	-0.69	42.3	-1.90	43.3	-3.22	N/A		N/A		N/A		N/A		N/A		N/A		-0.8	
2/17/21	8:32	42.3	-3.3	51.0	-12.0	42.6	-4.2	51.7	-12.9	43.2	-4.8	42.8	-3.2	34.4	3.70	42.0	-0.74	42.4	-1.97	43.2	-3.17	N/A		N/A		N/A		N/A		N/A		N/A		0.0	
2/18/21	8:06	42.3	-3.3	51.1	-12.1	42.7	-4.3	51.7	-13.0	42.3	-3.8	42.8	-3.2	34.4	3.76	42.5	-1.25	43.0	-2.61	43.3	-3.23	N/A		N/A		N/A		N/A		N/A		N/A		-0.3	
2/19/21	8:14	42.9	-3.9	52.4	-13.5	43.0	-4.6	52.9	-14.2	42.5	-4.1	43.1	-3.5	34.6	3.57	42.8	-1.60	42.6	-2.15	43.7	-3.61	N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
2/22/21	8:20	43.1	-4.1	51.5	-12.5	42.9	-4.5	51.7	-12.9	42.2	-3.8	42.7	-3.1	34.6	3.55	42.8	-1.57	42.7	-2.32	40.1	-0.07	N/A		N/A		N/A		N/A		N/A		N/A		0.3	
2/23/21	7:42	43.4	-4.4	51.9	-12.9	43.3	-4.9	51.2	-12.4	42.7	-4.3	43.2	-3.5	34.7	3.47	43.0	-1.83	43.1	-2.71	43.8	-3.74	N/A		N/A		N/A		N/A		N/A		N/A		-1.1	
2/24/21	7:35	43.7	-4.7	51.9	-13.0	43.5	-5.1	52.2	-13.5	42.9	-4.4	43.4	-3.7	34.7	3.45	43.4	-2.17	43.3	-2.89	44.0	-3.97	N/A		N/A		N/A		N/A		N/A		N/A		-0.2	
2/25/21	7:45	64.3	-25.3	52.9	-13.9	44.9	-6.5	53.7	-14.9	55.6	-17.2	46.0	-6.3	34.8	3.29	44.5	-3.28	44.6	-4.20	47.0	-6.96	N/A		N/A		N/A		N/A		N/A		N/A		-1.4	
2/26/21	7:55	44.4	-5.4	43.8	-4.9	44.1	-5.7	52.3	-13.5	43.8	-5.4	44.4	-4.7	34.9	3.21	44.0	-2.75	43.7	-3.29	47.2	-7.11	N/A		N/A		N/A		N/A		N/A		N/A		0.3	
3/1/21	7:42	66.5	-27.5	53.39	-14.4	45.1	-6.7	52.87	-14.1	44.17	-5.8	44.62	-5.0	35.16	2.97	45.44	-4.23	45.1	-4.68	44.26	-4.21	N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/2/21	7:44	66.92	-27.9	53.69	-14.7	45.36	-7.0	53.15	-14.4	44.43	-6.0	44.91	-5.3	35.29	2.84	45.74	-4.53	45.33	-4.91	44.39	-4.34	N/A		N/A		N/A		N/A		N/A		N/A		-0.2	
3/3/21	7:44	67.17	-28.2	53.82	-14.9	45.45	-7.1	52.86	-14.1	44.47	-6.1	44.87	-5.2	35.35	2.78	45.9	-4.69	45.46	-5.04	44.46	-4.41	N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
3/4/21	7:56	66.31	-27.3	53.89	-14.9	59.34	-21.0	53.38	-14.6	44.87	-6.5	45.25	-5.6	35.44	2.69	46.05	-4.84	46.27	-5.85	44.56	-4.51	N/A		N/A		N/A		N/A		N/A		N/A		-0.3	
3/5/21	7:47	66.56	-27.6	54.1	-15.2	59.67	-21.3	53.6	-14.9	44.99	-6.6	45.36	-5.7	35.47	2.66	46.2	-4.99	46.55	-6.13	44.7	-4.65	N/A		N/A		N/A		N/A		N/A		N/A		-0.2	
3/8/21	7:46	66.87	-27.9	54.72	-15.8	60.56	-22.2	54.3	-15.6	45.6	-7.2	45.89	-6.2	35.89	2.24	46.43	-5.22	47.29	-6.87	45.15	-5.10	N/A		N/A		N/A		N/A		N/A		N/A		-0.2	
3/9/21	7:23	67.15	-28.1	54.93	-16.0	60.69	-22.3	54.38	-15.6	45.58	-7.2	45.89	-6.2	35.94	2.19	46.54	-5.33	47.46	-7.04	45.23	-5.18	N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
3/10/21	8:18	67.61	-28.6	55.12	-16.2	60.82	-22.4	54.59	-15.8	45.78	-7.4	46.06	-6.4	35.94	2.19	46.8	-5.59	47.66	-7.24	45.31	-5.26	N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
3/11/21	8:06	67.84	-28.8	55.34	-16.4	60.89	-22.5	54.71	-16.0	46.28	-7.9	53.79	-14.1	36.01	2.12	46.89	-5.68	47.88	-7.46	45.44	-5.39	N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
3/12/21	7:26	68.11	-29.1	55.57	-16.6	61.07	-22.7	54.95	-16.2	46.11	-7.7	46.4	-6.7	36.11	2.02	47.11	-5.90	48.07	-7.65	45.6	-5.55	37.17	-4.93	47.24	-6.09	45.5	-4.88	45.3	-8.25	46.55	-6.62	41.5	-6.45	-0.2	
3/15/21	9:00	68.25	-29.2	56.03	-17.1	61.43	-23.0	55.27	-16.5	47	-8.6	47	-5.1	36.09	2.04	47.32	-6.11	48.53	-8.11	45.81	-5.76	N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
3/16/21	9:00	68.28	-29.3	56.05	-17.1	61.36	-23.0	55.79	-17.0	47.22	-8.8	47.4	-7.7	36.19	1.94	47.62	-6.41	48.77	-8.35	48.55	-8.50	N/A		N/A		N/A		N/A		N/A		N/A		-0.8	
3/17/21	8:21	67.54	-28.5	56.15	-17.2	61.57	-23.2	57.07	-18.3	57.73	-19.3	49.7	-10.0	36.24	1.89	47.77	-6.56	49.27	-8.85	49.4	-9.35	N/A		N/A		N/A		N/A		N/A		N/A		-0.4	
3/18/21	8:58	68.71	-29.7	56.74	-17.8	62.62	-24.2	56.91	-18.2	48.11	-9.7	48.7	-9.0	36.32	1.81	47.86	-6.65	49.65	-9.23	50.04	-9.99	N/A		N/A		N/A		N/A		N/A		N/A		-0.3	
3/19/21	8:25	69.22	-30.2	57.16	-18.2	63.13	-24.7	57.61	-18.9	49.14	-10.7	57.15	-17.5	36.59	1.54	48.28	-7.07	50.04	-9.62	50.51	-10.46	40.53	-8.29	52.22	-11.07	52.6	-11.98	47.9	-10.85	47.55	-7.62	45.33	-10.28	-0.4	
3/22/21	7:21	69.34	-30.3	57.76	-18.8	63.72	-25.3	58.42	-19.7	58.4	-20.0	50.38	-10.7	36.77	1.36	48.97	-7.76	50.92	-10.50	51.25	-11.20	N/A		N/A		N/A		N/A		N/A		N/A		-0.2	
3/23/21	8:07	69.5	-30.5	57.93	-19.0	64	-25.6	58.62	-19.9	57.86	-19.4	50.82	-11.2	36.7	1.43	49.21	-8.00	51.21	-10.79	51.67	-11.62	N/A		N/A		N/A		N/A		N/A		N/A		-0.2	
3/24/21	7:42	69.5	-30.5	58.09	-19.1	64.34	-26.0	58.96	-20.2	58.1	-19.7	51.02	-11.4	36.8	1.33	47.3	-6.09	51.48	-11.06	51.94	-11.89	N/A		N/A		N/A		N/A		N/A		N/A		0.3	
3/25/21	8:46	70.46	-31.5	58.64	-19.7	65.28	-26.9	58.97	-20.2	58.21	-19.8	50.62	-11.0	36.83	1.30	49.6	-8.39	51.72	-11.30	52.18	-12.13	N/A		N/A		N/A		N/A		N/A		N/A		-0.7	
3/26/21	7:38	69.97	-31.0	58.64	-19.7	65.11	-26.7	59.4	-20.7	56.7	-18.3	58.79	-19.1	37	1.13	49.9	-8.69	51.93	-11.51	52.45	-12.40	41.54	-9.30	54.5	-13.35	53.9	-13.28	48.18	-11.13	48.72	-8.79	46.53	-11.48	-0.2	
3/29/21	8:00	70.3	-31.3	59	-20.1	65.75	-27.4	59.92	-21.2	56.5	-18.1	52.6	-12.9	37.34	0.79	50.12	-8.91	52.4	-11.98	53.5	-13.45	N/A		N/A		N/A		N/A		N/A		N/A		-0.2	
3/30/21	7:37	70.4	-31.4	59.15	-20.2	65.84	-27.5	60.04	-21.3	56.64	-18.2	51.56	-11.9	37.28	0.85	50.11	-8.90	52.47	-12.05	53.18	-13.13	N/A		N/A		N/A		N/A		N/A		N/A		0.1	
3/31/21	7:52	70.54	-31.5	59.26	-20.3	66.03	-27.6	60.14	-21.4	56.72	-18.3	51.83	-12.2	37.32	0.81	50.19	-8.98	52.49	-12.07	53.34	-13.29	N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
4/1/21	8:23	70.8	-31.8	59.53	-20.6	66.36	-28.0	60.44	-21.7	56.95	-18.5	52.05	-12.4	37.53	0.60	50.39	-9.18	52.51	-12.09	53.6	-13.55	N/A		N/A		N/A		N/A		N/A		N/A		-0.2	
4/5/21	7:57	71.16	-32.2	59.95	-21.0	66.92	-28.5	60.89	-22.1	57.4	-19.0	52.34	-12.7	37.55	0.58	50.73	-9.52	52.54	-12.12	54.51	-14.46	N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
4/6/21	7:56	71.26	-32.3	60.11	-21.2	67.04	-28.7	61.1	-22.4	57.4	-19.0	59	-19.3	37.52	0.61			52.55	-12.13	54.24	-14.19	N/A		N/A		N/A		N/A		N/A		N/A		2.5	
4/7/21	7:49	71.35	-32.3	60.2	-21.3	67.21	-28.8	61.15	-22.4	57.64	-19.2	52.56	-12.9	37.52	0.61	50.77	-9.56	DRY		54.39	-14.34	N/A		N/A		N/A		N/A		N/A		N/A		0.6	
4/8/21	8:05	71.4	-32.4	60.2	-21.3	67.27	-28.9	61.1	-22.4	57.44	-19.0	52.51	-12.9	37.41	0.72			DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		5.9	
4/9/21	8:27	71.38	-32.4	60.32	-21.4	67.38	-29.0	61.2	-22.5	57.6	-19.2	52.66	-13.0	37.48	0.65	50.77	-9.56	DRY		DRY		43	-10.76	56.57	-15.42	55.38	-14.76	49.53	-12.48	50.13	-10.20	48.35	-13.30	-2.4	
4/12/21	7:43	71.3	-32.3	60.27	-21.3	67.4	-29.0	61	-22.3	57.39	-19.0	52.32	-12.7	37.59	0.54	50.77	-9.56	DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/13/21	7:56	71.03	-32.0	60.1	-21.2	67.24	-28.9	60.89	-22.1	57.04	-18.6	52.69	-13.0	37.7	0.43	50.59	-9.38	DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/14/21	8:18	71	-32.0	60.16	-21.2	67.27	-28.9	61.37	-22.6	57.58	-19.2	52.6	-12.9	37.71	0.42	50.4	-9.19	DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/15/21	8:30	70.53	-31.5	60	-21.1	66.9	-28.5	60.84	-22.1	57.03	-18.6	52.2	-12.5	37.62	0.51			DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		2.3	
4/16/21	10:03	70.27	-31.3	59.9	-21.0	66.86	-28.5	61.09	-22.3	57.43	-19.0	52.79	-13.1	37.65	0.48	50.4	-9.19	DRY		DRY		42.89	-10.65	56.81	-15.66	55.59	-14.97	49.83	-12.78	49.83	-9.90	N/A		-2.2	
4/19/21	8:21	51.23	-12.2	59.68	-20.7	67.63	-29.2	61.5	-22.8	57.79	-19.4	59.62	-20.0	37.79	0.34	50.32	-9.11	DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/20/21	7:35	67.69	-28.7	59.38	-20.4	66.24	-27.9	60.36	-21.6	56.86	-18.4	52.28	-12.6	37.8	0.33	50.03	-8.82	DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.1	
4/21/21	7:37	67.72	-28.7	59.3	-20.4	66.1	-27.7	60.24	-21.5	56.69	-18.3	52.3	-12.6	37.89	0.24	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		2.2	
4/22/21	7:51	67.75	-28.7	59.2	-20.3	66.04	-27.7	60.32	-21.6	57.4	-19.0	59.45	-19.8	37.97	0.16	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/23/21	7:22	67.81	-28.8	59.26	-20.3	66	-27.6	60.21	-21.5	56.74	-18.3	52.3	-12.6	37.9	0.23	DRY		DRY		DRY		42.65	-10.41	56.82	-15.67	56	-15.38	49.7	-12.65	49.5	-9.57	N/A		0.0	

100 Stickle Avenue
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Plant Daniel ATB

Job 1741-1030

Date	Time	P-13		P-14		P-15		P-16		P-17		P-18		OW-1		OW-2		OW-3		OW-4		BAW-1		BAW-2A		BAW-3		BAW-4		BAW-5		BAW-7		OW Drawdown	Notes
		39.01		38.95		38.39		38.75		38.42		39.66		36.15		38.32		38.38		37.65														
		41.1		40.66		40.49		41.16		40.62		41.89		38.13		41.21		40.42		40.05		32.24		41.15		40.62		37.05		39.93		35.05			
		Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	ft/day	
4/26/21	8:43	51.18	-12.2	59.12	-20.2	65.62	-27.2	60.62	-21.9	56.97	-18.6	58.9	-19.2	37.85	0.28	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/27/21	7:20	67.6	-28.6	59.12	-20.2	64.63	-26.2	60.1	-21.4	57.15	-18.7	59.36	-19.7	37.87	0.26	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/28/21	7:17	67.76	-28.8	59.24	-20.3	64.75	-26.4	60.19	-21.4	56.65	-18.2	52.4	-12.7	37.89	0.24	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/29/21	7:32	67.85	-28.8	59.32	-20.4	64.84	-26.5	60.3	-21.6	57.2	-18.8	52.72	-13.1	37.84	0.29	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/30/21	7:14	67.98	-29.0	59.43	-20.5	64.98	-26.6	60.34	-21.6	56.83	-18.4	58.53	-18.9	37.93	0.20	DRY		DRY		DRY		42.98	-10.74	57	-15.85	56.96	-16.34	50	-12.95	49.97	-10.04	N/A		0.0	
5/1/21	7:22															DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/3/21	7:21	68.12	-29.1	59.52	-20.6	65	-26.6	60.15	-21.4	56.7	-18.3	52.7	-13.0	37.76	0.37	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/4/21	7:49	68.22	-29.2	59.58	-20.6	65.08	-26.7	60.22	-21.5	56.82	-18.4	52.62	-13.0	37.87	0.26	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/5/21	7:57	68.33	-29.3	59.61	-20.7	65	-26.6	60.24	-21.5	56.8	-18.4	52.6	-12.9	37.98	0.15	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/6/21	9:27	68.32	-29.3	59.62	-20.7	65.01	-26.6	60.15	-21.4	56.74	-18.3	52.7	-13.0	38.05	0.08	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/7/21	6:55															DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/10/21	7:26	67.7	-28.7	59.4	-20.5	64.4	-26.0	59.8	-21.1	56.6	-18.2	52.68	-13.0	37.98	0.15	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/11/21	10:20	68.49	-29.5	59.59	-20.6	64.67	-26.3	59.86	-21.1	52.45	-14.0	52.48	-12.8	38.5	-0.37	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
5/12/21	8:09	69.27	-30.3	59.88	-20.9	65.63	-27.2	59.93	-21.2	52.1	-13.7	52.12	-12.5	38.02	0.11	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.1	
5/13/21	8:43	68.1	-29.1	59.45	-20.5	64.63	-26.2	59.8	-21.1	56.61	-18.2	52.77	-13.1	38.12	0.01	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/14/21	12:01	68.14	-29.1	59.52	-20.6	64.69	-26.3	59.95	-21.2	57.1	-18.7	53.1	-13.4	38.17	-0.04	DRY		DRY		DRY		43.1	-10.86	57.15	-16.00	53.92	-13.30	50.36	-13.31	50.78	-10.85	N/A		0.0	
5/17/21	8:03	68.22	-29.2	59.56	-20.6	64.75	-26.4	59.92	-21.2	56.74	-18.3	52.86	-13.2	38.02	0.11	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/18/21	7:50	68.36	-29.4	59.6	-20.7	64.89	-26.5	60	-21.3	56.88	-18.5	53	-13.3	38.02	0.11	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/19/21	7:41	68.44	-29.4	59.65	-20.7	64.94	-26.6	59.99	-21.2	56.82	-18.4	52.96	-13.3	38.02	0.11	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/20/21	8:10	68.53	-29.5	59.62	-20.7	64.95	-26.6	60.03	-21.3	57.52	-19.1	53.52	-13.9	38.1	0.03	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/21/21	8:51	68.7	-29.7	69.74	-30.8	65.08	-26.7	60.1	-21.4	57	-18.6	53.23	-13.6	38.19	-0.06	DRY		DRY		DRY		43.54	-11.30	57.44	-16.29	54.11	-13.49	50.72	-13.67	50.12	-10.19	N/A		0.0	
5/24/21	7:25	69.1	-30.1	59.94	-21.0	65.32	-26.9	60.3	-21.6	57.12	-18.7	53.32	-13.7	38.13	0.00	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/25/21	13:19	69.23	-30.2	59.6	-20.7	64.83	-26.4	59.65	-20.9	56.53	-18.1	52.57	-12.9	38.06	0.07	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	System down 7:48am-12:02pm to relocate pipes
5/26/21	11:04	69.98	-31.0	60.05	-21.1	65.95	-27.6	60.42	-21.7	57.26	-18.8	53.26	-13.6	38.16	-0.03	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/27/21	9:10	69.87	-30.9	60.17	-21.2	65.95	-27.6	60.46	-21.7	57.3	-18.9	53.3	-13.6	38.15	-0.02	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/28/21	9:18	70.12	-31.1	60.3	-21.4	66.3	-27.9	60.62	-21.9	57.86	-19.4	60	-20.3	38.06	0.07	DRY		DRY		DRY		43.66	-11.42	57.44	-16.29	53.08	-12.46	50.4	-13.35	51.23	-11.30	N/A		0.0	
6/1/21	7:36	71	-32.0	60.76	-21.8	66.88	-28.5	61.04	-22.3	57.77	-19.4	69.59	-29.9	38.11	0.02	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/2/21	7:34	71.26	-32.3	60.84	-21.9	66.07	-27.7	61.14	-22.4	57.82	-19.4	53.61	-14.0	38.05	0.08	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/3/21	7:42	71.1	-32.1	60.86	-21.9	66.87	-28.5	61.13	-22.4	57.9	-19.5	53.88	-14.2	38.06	0.07	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/4/21	8:16	71.14	-32.1	60.9	-22.0	66.86	-28.5	61.17	-22.4	59.36	-20.9	53.9	-14.2	38.12	0.01	DRY		DRY		DRY		43.68	-11.44	57.6	-16.45	53.82	-13.20	51.12	-14.07	52.1	-12.17	N/A		0.0	
6/7/21	8:27	71.69	-32.7	61.17	-22.2	67.28	-28.9	61.38	-22.6	59.23	-20.8	53.86	-14.2	38.19	-0.06	DRY		DRY		DRY		N/A		N/a		N/A		N/A		N/A		N/A		N/A		0.0	
6/8/21	7:42	72.27	-33.3	61.29	-22.3	67.79	-29.4	61.35	-22.6	59.52	-21.1	54	-14.3	38.19	-0.06	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/9/21	7:30	72.12	-33.1	61.3	-22.4	67.54	-29.2	61.52	-22.8	59.36	-20.9	53.91	-14.3	38.25	-0.12	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/10/21	7:35	72.14	-33.1	61.37	-22.4	67.67	-29.3	61.57	-22.8	59.39	-21.0	53.94	-14.3	38.22	-0.09	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/11/21	7:49	72.26	-33.3	61.45	-22.5	67.74	-29.4	61.66	-22.9	59.46	-21.0	54	-14.3	38.21	-0.08	DRY		DRY		DRY		43.86	-11.62	57.71	-16.56	54.86	-14.24	51.64	-14.59	53.68	-13.75	N/A		0.0	
6/14/21	7:25	72.64	-33.6	61.73	-22.8	68.5	-30.1	62.12	-23.4	60.17	-21.8	54.49	-14.8	38.25	-0.12	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/15/21	7:55	72.45	-33.4	61.64	-22.7	68	-29.6	61.89	-23.1	60.12	-21.7	54.92	-15.3	38.28	-0.15	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/16/21	7:25	72.6	-33.6	61.72	-22.8	68.11	-29.7	62	-23.3	60.2	-21.8	60.7	-21.0	38.34	-0.21	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/17/21	9:08	73.13	-34.1	61.9	-23.0	69.58	-31.2	62.26	-23.5	60.57	-22.2	54.74	-15.1	38.32	-0.19	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/18/21	7:49	72.86	-33.9	62.82	-23.9	68.3	-29.9	62.16	-23.4	60.43	-22.0	60.95	-21.3	38.36	-0.23	DRY		DRY		DRY		44.21	-11.97	58.07	-16.92	56.68	-16.06	51.96	-14.91	52.89	-12.96	N/A		0.0	
6/21/21	7:29	71.97	-33.0	61.3	-22.4	67.82	-29.4	61.87	-23.1	59.62	-21.2	54.2	-14.5	38.35	-0.22	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/22/21	7:25	70.73	-31.7	60.9	-22.0	67.44	-29.1	61.7	-23.0	59.45	-21.0	54.13	-14.5	38.32	-0.19	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/23/21	7:05	70.65	-31.6	60.66	-21.7	67.3	-28.9	61.6	-22.9	59.4	-21.0	54	-14.3	38.37	-0.24	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/24/21	7:09	70.81	-31.8	60.49	-21.5	67.32	-28.9	61.56	-22.8	59.47	-21.1	53.92	-14.3	38.39	-0.26	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/25/21	7:11	70.39	-31.4	60.25	-21.3	66.76	-28.4	61.3	-22.6	59.17	-20.8	53.84	-14.2	38.4	-0.27	DRY		DRY		DRY		43.8	-11.56	57.98	-16.83	56.92	-16.30	51.74	-14.69	51.74	-11.81	N/A		0.0	
6/28/21	7:20	70.44	-31.4	59.86	-20.9	54.82	-16.4	60.89	-22.1	52.97	-14.6	52.9	-13.2	38.42	-0.29	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/29/21	7:05	70.72	-31.7	59.96	-21.0	66.03	-27.6	60.91	-22.2	58.89	-20.5	53.58	-13.9	38.42	-0.29	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/30/21	7:14	70.9	-31.9	60	-21.1	66.19	-27.8	60.95	-22.2	58.9	-20.5	53.58	-13.9	38.42	-0.29	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
7/1/21	7:53	71.1	-32.1	60.1	-21.2	66.3	-27.9	61	-22.3	58.94	-20.5	53.6	-13.9	38.34	-0.21	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
7/2/21	7:38	71.34	-32.3	60.23	-21.3	66.42	-28.0	61.05	-22.3	58.99	-20.6	53.7	-14.0	38.3	-0.17	DRY		DRY		DRY		N/A		57.66	-16.51	57	-16.38	51.6	-14.55	51.68	-11.75	N/A		0.0	
7/6/21	9:09	71.64	-32.6	60.07	-21.1	54.47	-16.1	60.93	-22.2	59.16	-20.7	53.47	-13.8	38.39	-0.26	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
7/7/21	7:21	71.89	-32.9	60.34	-21.4	65.8	-27.4	60.93	-22.2	58.9	-20.5	53.54	-13.9	38.34	-0.21	DRY		DRY		DRY		N/A		53.2	-12.05	53.1	-12.48	N/A		N/A		N/A		N/A		0.0	
7/8/21	7:25	72.08	-33.1	60.5	-21.6	66.22	-27.8	61.1	-22.4	59	-20.6	53.6	-13.9	38.36	-0.23	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
7/9/21	7:36	72.6	-33.6	60.6	-21.7	66.48	-28.1	61.2	-22.5	59.09	-20.7	53.7	-14.0	38.44	-0.31	DRY		DRY		DRY		43.51	-11.27	57.61	-16.46	57.12	-16.50	51.86	-14.81	52.13	-12.20	N/A		0.0	
7/12/21	8:19	71.03	-32.0	60.92	-22.0	66.95	-28.6	61.35	-22.6	59.1	-20.7	53.54	-13.9	38.43	-0.30	DRY		52.49	-12.07	DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		-1.0	
7/13/21	8:30	70.06	-31.1	61.2	-22.3	67.66	-29.3	61.13	-22.4	52.98	-14.6	52.83	-13.2	38.48	-0.35	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		3.0	
7/14/21	7:12	70.16	-31.2	61.24	-22.3	67.66	-29.3	61.04	-22.3	52.8	-14.4	52.6	-12.9	38.5	-0.37	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
7/15/21	7:20	70.02	-31.0	61.33	-22.4	67.67	-29.3	61.06	-22.3	52.8	-14.4	52.66	-13.0	38.47	-0.34	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
7/16/21	8:28	70.3	-31.3	61.39	-22.4	67.73	-29.3	61.11	-22.4	53.2	-14.8	52.55	-12.9	38.39	-0.26	DRY		DRY		DRY		42.7	-10.46	57.46	-16.31	57.22	-16.60	52.08	-15.03	52.6	-12.67	N/A		0.0	
7/19/21	7:58	70.53	-31.5	61.58	-22.6	67.88	-29.5	61.18	-22.4	52.83	-14.4	52.68	-13.0	38.38	-0.25	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
7/20/21	7:18	69.69	-30.7	61.32	-22.4	67.16	-28.8	60.94	-22.2	52.88	-14.5	52.62	-13.0	38.26	-0.13	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
7/21/21	7:18	69.82	-30.8	61.39	-22.4	67.4	-29.0	61.1	-22.4	59.1	-20.7	53.57	-13.9	38.33	-0.20	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
7/22/21	7:34	69.88	-30.9	61.58	-22.6	67.56	-29.2	61.63	-22.9	59.57	-21.2	53.73	-14.1	38.44	-0.31	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
7/23/21	8:11	69.91	-30.9	61.62	-22.7	67.7	-29.3	61.7	-23.0	59.4	-21.0	53.92	-14.3	38.46	-0.33	DRY		DRY		DRY		43.58	-11.34	57.67	-16.52	57.3	-16.68	53.28	-16.23	52.95	-13.02	N/A		0.0	
7/26/21	7:30	70.04	-31.0	61.7	-22.8	67.92	-29.5	61.9	-23.2	59.52	-21.1	53.98	-14.3	38.33	-0.20	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
7/27/21	7:32	70.07	-31.1	61.72	-22.8	68	-29.6	61.94	-23.2	59.57	-21.2	54.5	-14.8	38.45	-0.32	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
7/28/21	7:57	70.14	-31.1	61.77	-22.8	68.06	-29.7	62.05	-23.3	59.9	-21.5	54.1	-14.4	38.38	-0.25	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
7/29/21	7:44	70.07	-31.1	61.72	-22.8	67.88	-29.5	61.98	-23.2	59.53	-21.1	54.12	-14.5	38.38	-0.25	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
7/30/21	8:47	70.19	-31.2	61.77	-22.8	68	-29.6	62.07	-23.3	59.69	-21.3	54.12	-14.5	38.38	-0.25	DRY		DRY		DRY		43.88	-11.64	57.93	-16.78	57.43	-16.81	52.39	-15.34	53.2	-13.27	N/A		0.0	
8/1/21	12:09															DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
8/2/21	8:14	70.34	-31.3	62.09	-23.1	68.16	-29.8	62.09	-23.3	59.77	-21.4	54.22	-14.6	38.37	-0.24	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
8/3/21	8:16	70.36	-31.4	61.98	-23.0	68.22	-29.8	62.17	-23.4	59.8	-21.4	54.24	-14.6	38.34	-0.21	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
8/4/21	7:26	70.43	-31.4	62	-23.1	68.3	-29.9	62.22	-23.5	59.24	-20.8	54.23	-14.6	38.33	-0.20	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
8/5/21	7:29	70.49	-31.5	62.05	-23.1	68.38	-30.0	62.4	-23.7	60.42	-22.0	60.54	-20.9	38.4	-0.27	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
8/6/21	8:22	70.55	-31.5	62.08	-23.1	68.4	-30.0	62.4	-23.7	60.42	-22.0	60.26	-20.6	38.44	-0.31	DRY		DRY		DRY		44.17	-11.93	58.15	-17.00	57.4	-16.78	52.53	-15.48	53.4	-13.47	N/A		0.0	
8/9/21	7:38	70.72	-31.7	62.12	-23.2	68.34	-30.0	62.44	-23.7	60.55	-22.1	60.8	-21.1	38.44	-0.31	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
8/10/21	7:33	70.8	-31.8	62.2	-23.3	68.43	-30.0	62.47	-23.7	60.1	-21.7	54.74	-15.1	38.48	-0.35	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	

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Plant Daniel ATB

Job 1741-1030

Date	Time	P-13		P-14		P-15		P-16		P-17		P-18		OW-1		OW-2		OW-3		OW-4		BAW-1		BAW-2A		BAW-3		BAW-4		BAW-5		BAW-7		OW Drawdown	Notes
		39.01		38.95		38.39		38.75		38.42		39.66		36.15		38.32		38.38		37.65														
		41.1		40.66		40.49		41.16		40.62		41.89		38.13		41.21		40.42		40.05		32.24		41.15		40.62		37.05		39.93		35.05			
		Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	ft/day	
8/11/21	7:46	70.86	-31.9	62.25	-23.3	68.47	-30.1	62.46	-23.7	60.06	-21.6	54.56	-14.9	38.44	-0.31	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
8/12/21	7:37	70.89	-31.9	62.3	-23.4	68.54	-30.2	62.5	-23.8	60.08	-21.7	54.6	-14.9	38.42	-0.29	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
8/13/21	7:47	70.94	-31.9	62.34	-23.4	68.6	-30.2	62.56	-23.8	60.14	-21.7	54.65	-15.0	38.44	-0.31	DRY		DRY		DRY		44.36	-12.12	58.06	-16.91	57.54	-16.92	52.6	-15.55	53.63	-13.70	N/A		0.0	
8/16/21	9:28	71.13	-32.1	62.4	-23.5	68.76	-30.4	62.62	-23.9	60.2	-21.8	54.62	-15.0	38.29	-0.16	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
8/17/21	7:43	62	-23.0	62.42	-23.5	69.15	-30.8	62.82	-24.1	60.43	-22.0	54.73	-15.1	38.3	-0.17	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
8/18/21	7:30	62.03	-23.0	62.53	-23.6	69.12	-30.7	62.82	-24.1	60.43	-22.0	54.74	-15.1	38.43	-0.30	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
8/19/21	7:49	62.05	-23.0	62.42	-23.5	69.07	-30.7	62.83	-24.1	60.88	-22.5	60.7	-21.0	38.43	-0.30	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
8/20/21	8:28	61.34	-22.3	62.29	-23.3	68.65	-30.3	62.65	-23.9	60.32	-21.9	54.7	-15.0	38.37	-0.24	DRY		DRY		DRY		44.28	-12.04	56.94	-15.79	55.55	-14.93	52.59	-15.54	53.7	-13.77	N/A		0.0	
8/23/21	8:25	61.07	-22.1	62.15	-23.2	68.07	-29.7	62.5	-23.8	60.3	-21.9	54.92	-15.3	38.37	-0.24	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
8/24/21	7:38	60.64	-21.6	62.11	-23.2	67.95	-29.6	62.5	-23.8	60.33	-21.9	54.65	-15.0	38.36	-0.23	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
8/25/21	7:35	60.95	-21.9	62.43	-23.5	65.28	-26.9	62.57	-23.8	59.97	-21.6	54.44	-14.8	38.4	-0.27	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
8/26/21	7:29	60.93	-21.9	62.38	-23.4	60.53	-22.1	62.15	-23.4	59.58	-21.2	54.05	-14.4	38.43	-0.30	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
8/27/21	8:16	60.87	-21.9	62.37	-23.4	60.27	-21.9	62.1	-23.4	53.9	-15.5	54	-14.3	38.38	-0.25	DRY		DRY		DRY		43.72	-11.48	55.92	-14.77	54.59	-13.97	52.59	-15.54	53.9	-13.97	N/A		0.0	
8/30/21	10:59	59.78	-20.8	61.52	-22.6	59.5	-21.1	61.23	-22.5	59.17	-20.8	53.4	-13.7	38.22	-0.09	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
8/31/21	7:22	59.32	-20.3	61.46	-22.5	59.38	-21.0	61.14	-22.4	52.85	-14.4	53.1	-13.4	38.19	-0.06	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
9/1/21	7:24	59.01	-20.0	61.18	-22.2	59.2	-20.8	61.04	-22.3	52.79	-14.4	53.1	-13.4	38.3	-0.17	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
9/2/21	7:36	58.66	-19.7	60.88	-21.9	58.97	-20.6	60.87	-22.1	52.66	-14.2	52.67	-13.0	38.3	-0.17	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
9/3/21	7:37	58.12	-19.1	60.24	-21.3	58.62	-20.2	60.82	-22.1	60.04	-21.6	53.49	-13.8	38.38	-0.25	DRY		DRY		DRY		43.17	-10.93	55.1	-13.95	54.13	-13.51	51.72	-14.67	52.47	-12.54	N/A		0.0	
9/7/21	7:22	57.89	-18.9	59.78	-20.8	58.03	-19.6	60.57	-21.8	59.94	-21.5	53.22	-13.6	38.35	-0.22	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
9/8/21	7:44	57.83	-18.8	59.44	-20.5	57.67	-19.3	60.1	-21.4	59.4	-21.0	53.07	-13.4	38.28	-0.15	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
9/9/21	7:16	64.49	-25.5	59.68	-20.7	59.14	-20.8	60.44	-21.7	59.97	-21.6	53.64	-14.0	38.32	-0.19	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
9/10/21	7:14	65	-26.0	59.89	-20.9	61.5	-23.1	60.64	-21.9	60	-21.6	53.6	-13.9	38.46	-0.33	DRY		DRY		DRY		43.32	-11.08	54.18	-13.03	54.51	-13.89	50.8	-13.75	51.65	-11.72	N/A		0.0	
9/13/21	7:34	65.5	-26.5	60.21	-21.3	61.75	-23.4	60.86	-22.1	60.07	-21.7	53.72	-14.1	38.47	-0.34	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
9/14/21	7:22	65.66	-26.7	60.33	-21.4	61.83	-23.4	60.99	-22.2	60.39	-22.0	64	-24.3	38.37	-0.24	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
9/16/21	7:17	65.05	-26.0	60	-21.1	61.7	-23.3	60.9	-22.2	60.08	-21.7	53.7	-14.0	38.3	-0.17	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
9/17/21	7:50	64.92	-25.9	59.94	-21.0	61.65	-23.3	60.9	-22.2	60.12	-21.7	53.8	-14.1	38.4	-0.27	DRY		DRY		DRY		43.58	-11.34	56.9	-15.75	56.12	-15.50	50.97	-13.92	51.49	-11.56	N/A		0.0	
9/20/21	7:35	64.65	-25.6	59.64	-20.7	61.45	-23.1	60.75	-22.0	60	-21.6	53.69	-14.0	38.29	-0.16	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
9/21/21	7:26	64.67	-25.7	59.66	-20.7	61.48	-23.1	60.77	-22.0	60.4	-22.0	53.8	-14.1	38.34	-0.21	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
9/22/21	7:27	64.7	-25.7	59.57	-20.6	61.39	-23.0	60.47	-21.7	59.92	-21.5	53.6	-13.9	38.32	-0.19	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
9/23/21	7:22	64.88	-25.9	59.67	-20.7	61.42	-23.0	60.46	-21.7	59.85	-21.4	53.48	-13.8	38.4	-0.27	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
9/24/21	7:33	65.25	-26.2	59.82	-20.9	61.64	-23.3	60.54	-21.8	59.98	-21.6	53.4	-13.7	38.44	-0.31	DRY		DRY		DRY		43.2	-10.96	56.32	-15.17	55.18	-14.56	50.88	-13.83	50.89	-10.96	N/A		0.0	
9/27/21	7:41	65.49	-26.5	60	-21.1	61.75	-23.4	60.58	-21.8	59.97	-21.6	53.33	-13.7	38.5	-0.37	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
9/28/21	7:56	61.6	-22.6	59.84	-20.9	61.53	-23.1	60.4	-21.7	59.75	-21.3	59.4	-19.7	38.42	-0.29	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
9/29/21	7:38	61.78	-22.8	60	-21.1	61.8	-23.4	60.57	-21.8	59.97	-21.6	53.42	-13.8	38.42	-0.29	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
9/30/21	7:40	61.8	-22.8	59.95	-21.0	61.6	-23.2	60.44	-21.7	59.8	-21.4	53.33	-13.7	38.44	-0.31	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
10/1/21	7:34	61.87	-22.9	60	-21.1	61.62	-23.2	60.42	-21.7	59.75	-21.3	53.2	-13.5	38.47	-0.34	DRY		DRY		DRY		43	-10.76	55.75	-14.60	54.38	-13.76	50.32	-13.27	51.07	-11.14	N/A		0.0	
10/4/21	7:57	61.9	-22.9	60.06	-21.1	61.63	-23.2	60.37	-21.6	59.68	-21.3	53.18	-13.5	38.35	-0.22	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
10/5/21	7:57	61.38	-22.4	59.88	-20.9	61.5	-23.1	60.28	-21.5	59.64	-21.2	53.23	-13.6	38.38	-0.25	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
10/6/21	7:44	61.35	-22.3	59.86	-20.9	61.52	-23.1	60.3	-21.6	59.68	-21.3	59	-19.3	38.42	-0.29	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
10/7/21	7:25	61.5	-22.5	59.98	-21.0	61.6	-23.2	60.44	-21.7	59.89	-21.5	53.26	-13.6	38.42	-0.29	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
10/8/21	7:38	61.45	-22.4	59.9	-21.0	61.47	-23.1	60.26	-21.5	59.63	-21.2	53.22	-13.6	38.47	-0.34	DRY		DRY		DRY		43.07	-10.83	55.75	-14.60	59.96	-19.34	50.2	-13.15	51.17	-11.24	N/A		0.0	
10/11/21	7:35	61.65	-22.6	60	-21.1	61.55	-23.2	60.34	-21.6	59.9	-21.5	53.34	-13.7	38.39	-0.26	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
10/12/21	8:20	61.7	-22.7	60.07	-21.1	61.63	-23.2	60.39	-21.6	59.98	-21.6	53.34	-13.7	38.43	-0.30	DRY		DRY		DRY		43.14	-10.90	55.82	-14.67	53.9	-13.28	50.45	-13.40	51.34	-11.41	N/A		0.0	
10/13/21	8:08	61.75	-22.7	60.1	-21.2	61.63	-23.2	60.37	-21.6	59.87	-21.5	53.34	-13.7	38.45	-0.32	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
10/14/21	7:55	61.86	-22.9	60.1	-21.2	61.68	-23.3	60.4	-21.7	59.93	-21.5	53.44	-13.8	38.42	-0.29	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
10/18/21	8:06	62.34	-23.3	60.52	-21.6	61.98	-23.6	60.7	-22.0	60.17	-21.8	53.6	-13.9	38.53	-0.40	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
10/19/21	7:26	62.37	-23.4	60.56	-21.6	62	-23.6	60.76	-22.0	60.7	-22.3	54.1	-14.4	38.53	-0.40	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
10/20/21	7:19	62.47	-23.5	60.64	-21.7	62.08	-23.7	60.78	-22.0	60.22	-21.8	53.63	-14.0	38.5	-0.37	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
10/21/21	7:46	62.57	-23.6	60.76	-21.8	62.18	-23.8	60.83	-22.1	60.28	-21.9	53.7	-14.0	38.53	-0.40	DRY		DRY		DRY		43.39	-11.15	56.05	-14.90	54.1	-13.48	50.7	-13.65	51.85	-11.92	N/A		0.0	
10/22/21	7:31	62.7	-23.7	60.92	-22.0	62.43	-24.0	61	-22.3	60.4	-22.0	53.63	-14.0	38.47	-0.34	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
10/25/21	8:24	58.35	-19.3	61	-22.1	62.73	-24.3	61.39	-22.6	60.68	-22.3	53.77	-14.1	38.42	-0.29	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
10/26/21	7:39	58.49	-19.5	60.95	-22.0	62.52	-24.1	61.32	-22.6	60.6	-22.2	54	-14.3	38.42	-0.29	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
10/27/21	7:45	59.53	-20.5	60.85	-21.9	62.4	-24.0	61.11	-22.4	60.36	-21.9	53.73	-14.1	38.37	-0.24	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
10/28/21	7:58	59.58	-20.6	60.94	-22.0	62.46	-24.1	61.14	-22.4	60.4	-22.0	53.7	-14.0	38.18	-0.05	DRY		DRY		DRY		43.68	-11.44	56.1	-14.95	54.09	-13.47	50.5	-13.45	51.77	-11.84	N/A		0.0	
11/1/21	7:30	59.05	-20.0	60.82	-21.9	62.19	-23.8	60.95	-22.2	60.3	-21.9	53.8	-14.1	38.6	-0.47	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
11/2/21	7:58	59.14	-20.1	60.92	-22.0	62.32	-23.9	61	-22.3	60.3	-21.9	53.69	-14.0	38.62	-0.49	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
11/3/21	8:30	59.24	-20.2	61	-22.1	62.42	-24.0	61.1	-22.4	60.4	-22.0	53.75	-14.1	38.59	-0.46	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
11/4/21	8:39	59.3	-20.3	61.1	-22.2	62.5	-24.1	61.24	-22.5	60.54	-22.1	53.92	-14.3	38.58	-0.45	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
11/5/21	8:57	59.39	-20.4	61.17	-22.2	62.6	-24.2	61.33	-22.6	60.62	-22.2	54.07	-14.4	38.56	-0.43	DRY		DRY		DRY		43.69	-11.45	56.38	-15.23	54.42	-13.80	50.77	-13.72	52	-12.07	N/A		0.0	
11/8/21	8:15	59.54	-20.5	61.56	-22.6	63.15	-24.8	61.77	-23.0	61	-22.6	54.27	-14.6	38.67	-0.54	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
11/9/21	8:07	59.6	-20.6	61.62	-22.7	63.22	-24.8	61.8	-23.1	61.06	-22.6	54.26	-14.6	38.67	-0.54	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
11/10/21	8:06	59.62	-20.6	61.54	-22.6	63.35	-25.0	61.83	-23.1	61.11	-22.7	54.49	-14.8	38.67	-0.54	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
11/11/21	8:00	59.78	-20.8	61.63	-22.7	59.44	-21.1	61.75	-23.0	61.05	-22.6	54.3	-14.6	38.45	-0.32	DRY		DRY		DRY		43.9	-11.66	56.4	-15.25	54.64	-14.02	50.88	-13.83	52.12	-12.19	N/A		0.1	
11/15/21	8:06	59.62	-20.6	62	-23.1	59.5	-21.1	62.3	-23.6	61.8	-23.4	54.7	-15.0	38.64	-0.51	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
11/16/21	8:09	59.68	-20.7	61.75	-22.8	59.5	-21.1	62.33	-23.6	61.85	-23.4	54.9	-15.2	38.66	-0.53	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
11/17/21	8:24	59.43	-20.4	61.78	-22.8	59.5	-21.1	62.13	-23.4	61.5	-23.1	54.63	-15.0	38.62	-0.49	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
11/18/21	7:58	59.9	-20.9	61.75	-22.8	59.44	-21.1	61.94	-23.2	61.28	-22.9	54.53	-14.9	38.6	-0.47	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
11/19/21	8:11	59.99	-21.0	61.76	-22.8	59.5	-21.1	62	-23.3	61.86	-23.4	60.79	-21.1	38.7	-0.57	DRY		DRY		DRY		44.29	-12.05	56.79	-15.64	54.62	-14.00	50.95	-13.90	52.24	-12.31	N/A		0.0	
11/22/21	9:16	60.14	-21.1	61.95	-23.0	59.62	-21.2	62.05	-23.3	61.35	-22.9	54.6	-14.9	38.54	-0.41	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
11/23/21	8:10	60.05	-21.0	61.92	-23.0	59.59	-21.2	62.05	-23.3	61.4	-23.0	54.7	-15.0	38.69	-0.56	DRY		DRY		DRY		44.3	-12.06	56.9	-15.75	54.7	-14.08	51.22	-14.17	52.5	-12.57	N/A		0.0	
11/24/21	7:29	60.08	-21.1	62	-23.1	59.62	-21.2	62.07	-23.3	61.4	-23.0	54.6	-14.9	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
11/29/21	8:23	60.25	-21.2	62.2	-23.3	59.82	-21.4	62.24	-23.5	61.5	-23.1	54.79	-15.1	38.67	-0.54	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
12/1/21	7:14	60.34	-21.3	62.3	-23.4	59.85	-21.5	62.28	-23.5	61.54	-23.1	54.88	-15.2	38.69	-0.56	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
12/2/21	8:08	60.36	-21.4	62.33	-23.4	59.9	-21.5	62.3	-23.6	61.6	-23.2	54.94	-15.3	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
12/3/21	8:10	60.25	-21.2	62.3	-23.4	59.86	-21.5	62.3	-23.6	61.59	-23.2	54.92	-15.3	38.69	-0.56	DRY		DRY		DRY		44.53	-12.29	57.18	-16.03	54.94	-14.32	51.53	-14.48	52.9	-12.97	N/A		0.0	
12/6/21	7:44	60.33	-21.3	62.39	-23.4	59.95	-21.6	62.4	-23.7	61.65	-23.2	54.55	-14.9	38.65	-0.52	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
12/7/21	8:13	60.36	-21.4	62.45	-23.5	60	-21.6	62.43	-23.7	61.68	-23.3	55	-15.3	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
12/8/21	9:02	60.34	-21.3	62.5	-23.6	60.05	-21.7	62.48	-23.7	61.78	-23.4	60.8	-21.1	38.62	-0.49	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	

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Plant Daniel ATB

Job 1741-1030

Date	Time	P-13		P-14		P-15		P-16		P-17		P-18		OW-1		OW-2		OW-3		OW-4		BAW-1		BAW-2A		BAW-3		BAW-4		BAW-5		BAW-7		OW Drawdown	Notes
		39.01		38.95		38.39		38.75		38.42		39.66		36.15		38.32		38.38		37.65														
		41.1		40.66		40.49		41.16		40.62		41.89		38.13		41.21		40.42		40.05		32.24		41.15		40.62		37.05		39.93		35.05			
		Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	ft/day	
12/9/21	7:45	60.42	-21.4	62.58	-23.6	60.09	-21.7	62.54	-23.8	61.82	-23.4	55.15	-15.5	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
12/10/21	7:59	60.42	-21.4	62.44	-23.5	60.05	-21.7	62.55	-23.8	61.82	-23.4	55.13	-15.5	38.68	-0.55	DRY		DRY		DRY		44.72	-12.48	57.43	-16.28	55.15	-14.53	51.7	-14.65	53	-13.07	N/A		0.0	
12/13/21	8:31	60.54	-21.5	62.64	-23.7	60.22	-21.8	62.7	-24.0	61.96	-23.5	55.3	-15.6	38.92	-0.79	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
12/14/21	9:06	60.56	-21.6	62.65	-23.7	60.23	-21.8	62.7	-24.0	62	-23.6	55.3	-15.6	38.97	-0.84	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
12/15/21	7:25	60.56	-21.6	62.66	-23.7	60.23	-21.8	62.72	-24.0	62.39	-24.0	61.2	-21.5	38.93	-0.80	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
12/16/21	8:25	60.56	-21.6	62.72	-23.8	60.28	-21.9	62.78	-24.0	62	-23.6	55.32	-15.7	38.82	-0.69	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
12/17/21	8:29	60.62	-21.6	62.74	-23.8	60.3	-21.9	62.82	-24.1	62.06	-23.6	55.34	-15.7	38.76	-0.63	DRY		DRY		DRY		44.92	-12.68	57.67	-16.52	55.36	-14.74	51.83	-14.78	53.16	-13.23	N/A		0.0	
12/20/21	9:32	60.6	-21.6	62.8	-23.9	60.35	-22.0	62.85	-24.1	62.1	-23.7	55.4	-15.7	38.84	-0.71	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
12/21/21	8:52	60.55	-21.5	62.72	-23.8	60.34	-22.0	62.8	-24.1	62.05	-23.6	60.8	-21.1	38.73	-0.60	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
12/22/21	7:58	60.6	-21.6	62.8	-23.9	60.42	-22.0	62.96	-24.2	62.63	-24.2	61.53	-21.9	38.78	-0.65	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
12/23/21	9:21	60.63	-21.6	62.83	-23.9	60.44	-22.1	62.92	-24.2	62.13	-23.7	61.24	-21.6	38.9	-0.77	DRY		DRY		DRY		45.06	-12.82	57.84	-16.69	55.56	-14.94	51.9	-14.85	53.3	-13.37	N/A		0.0	
12/28/21	7:31	60.68	-21.7	62.92	-24.0	60.5	-22.1	62.97	-24.2	62.14	-23.7	55.43	-15.8	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
12/29/21	8:17	60.7	-21.7	63	-24.1	60.55	-22.2	63	-24.3	62.23	-23.8	56.58	-16.9	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
12/30/21	7:21	60.7	-21.7	62.86	-23.9	60.55	-22.2	62.87	-24.1	62.23	-23.8	55.62	-16.0	38.75	-0.62	DRY		DRY		DRY		45.13	-12.89	57.97	-16.82	55.69	-15.07	52	-14.95	53.42	-13.49	N/A		0.0	
1/1/22	10:32															DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.1	
1/3/22	9:27	60.8	-21.8	63	-24.1	60.67	-22.3	63.15	-24.4	62.73	-24.3	63.85	-24.2	39.06	-0.93	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
1/4/22	8:09	60.75	-21.7	62.97	-24.0	60.59	-22.2	63.1	-24.4	62.27	-23.9	55.65	-16.0	39.1	-0.97	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
1/5/22	7:48	60.73	-21.7	62.9	-24.0	60.52	-22.1	62.87	-24.1	62	-23.6	55.52	-15.9	38.9	-0.77	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.1	
1/6/22	7:56	64.18	-25.2	62.94	-24.0	62.4	-24.0	62.9	-24.2	62	-23.6	61.23	-21.6	38.8	-0.67	DRY		DRY		DRY				N/A		N/A		N/A		N/A		N/A		0.0	
1/7/22	7:59	64.29	-25.3	63.12	-24.2	63.55	-25.2	63.12	-24.4	62.22	-23.8	55.78	-16.1	38.95	-0.82	DRY		DRY		DRY		45.35	-13.11	58.2	-17.05	55.94	-15.32	52.19	-15.14	53.6	-13.67	N/A		0.0	
1/10/22	8:18	64.67	-25.7	63.23	-24.3	63.79	-25.4	63.22	-24.5	62.29	-23.9	55.82	-16.2	39.05	-0.92	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
1/11/22	8:17	64.49	-25.5	63.23	-24.3	63.75	-25.4	63.2	-24.5	62.27	-23.9	55.9	-16.2	39.19	-1.06	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
1/12/22	7:30	64.5	-25.5	63.07	-24.1	63.7	-25.3	63.12	-24.4	62.17	-23.8	55.76	-16.1	39.1	-0.97	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
1/13/22	7:06	64.59	-25.6	63.13	-24.2	63.75	-25.4	63.15	-24.4	62.19	-23.8	55.73	-16.1	38.92	-0.79	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
1/14/22	7:33	64.67	-25.7	63.24	-24.3	63.87	-25.5	63.24	-24.5	62.25	-23.8	55.8	-16.1	38.77	-0.64	DRY		DRY		DRY		45.9	-13.66	58.17	-17.02	55.98	-15.36	52.24	-15.19	53.62	-13.69	N/A		0.0	
1/17/22	7:33	64.85	-25.8	63.43	-24.5	64.05	-25.7	63.42	-24.7	62.42	-24.0	55.94	-16.3	38.86	-0.73	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
1/18/22	7:16	64.89	-25.9	63.43	-24.5	64.07	-25.7	63.44	-24.7	62.45	-24.0	55.96	-16.3	39	-0.87	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
1/19/22	8:06	64.89	-25.9	63.44	-24.5	64.1	-25.7	63.44	-24.7	62.42	-24.0	55.94	-16.3	39	-0.87	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
1/20/22	8:42	64.93	-25.9	63.53	-24.6	64.14	-25.8	63.5	-24.8	62.55	-24.1	56.13	-16.5	38.9	-0.77	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
1/21/22	7:37	64.9	-25.9	63.5	-24.6	64.13	-25.7	63.5	-24.8	62.45	-24.0	56	-16.3	39.07	-0.94	DRY		DRY		DRY		45.6	-13.36	58.5	-17.35	56.18	-15.56	52.36	-15.31	53.76	-13.83	N/A		0.0	
1/24/22	7:29	64.92	-25.9	63.75	-24.8	64.1	-25.7	63.5	-24.8	62.44	-24.0	61.8	-22.1	38.93	-0.80	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
1/25/22	7:37	64.74	-25.7	63.45	-24.5	64.18	-25.8	63.47	-24.7	62.43	-24.0	56	-16.3	38.82	-0.69	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
1/26/22	8:17	64.84	-25.8	63.58	-24.6	64.32	-25.9	63.6	-24.9	62.54	-24.1	56.14	-16.5	39	-0.87	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
1/27/22	7:33	64.92	-25.9	63.95	-25.0	64.25	-25.9	63.56	-24.8	62.54	-24.1	56.08	-16.4	39.1	-0.87	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
1/28/22	8:50	66	-27.0	63.6	-24.7	64.26	-25.9	63.6	-24.9	62.57	-24.2	56.1	-16.4	39	-0.87	DRY		DRY		DRY		45.68	-13.44	N/A		56.43	-15.81	52.48	-15.43	53.79	-13.86	N/A		0.0	
1/31/22	8:33	66.17	-27.2	63.65	-24.7	64.22	-25.8	63.32	-24.6	62.23	-23.8	55.88	-16.2	39	-0.87	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
2/1/22	8:07	66.24	-27.2	63.65	-24.7	64.22	-25.8	63.29	-24.5	62.19	-23.8	55.83	-16.2	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.1	
2/2/22	7:57	66.2	-27.2	63.66	-24.7	64.13	-25.7	63.24	-24.5	62.25	-23.8	61.5	-21.8	38.87	-0.74	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
2/3/22	7:32	66.05	-27.0	63.6	-24.7	64.1	-25.7	63.18	-24.4	62.22	-23.8	55.68	-16.0	38.84	-0.71	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
2/4/22	10:09	65.94	-26.9	63.48	-24.5	64.16	-25.8	63.25	-24.5	62.34	-23.9	56.1	-16.4	39.06	-0.93	DRY		DRY		DRY		45.83	-13.59	64.75	-23.60	57	-16.38	52.74	-15.69	54.05	-14.12	N/A		0.0	
2/7/22	9:37	65.63	-26.6	63.34	-24.4	64.09	-25.7	63.34	-24.6	62.15	-23.7	56.1	-16.4	39.1	-0.97	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
2/8/22	8:22	65.63	-26.6	63.42	-24.5	64.13	-25.7	63.42	-24.7	62.6	-24.2	56.15	-16.5	39.1	-0.97	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
2/9/22	8:20	65.63	-26.6	63.36	-24.4	64.1	-25.7	63.39	-24.6	62.58	-24.2	56.1	-16.4	39.06	-0.93	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
2/10/22	7:59	65.62	-26.6	63.38	-24.4	64.12	-25.7	63.4	-24.7	62.6	-24.2	56.16	-16.5	39	-0.87	DRY		DRY		DRY		45.85	-13.61	DRY		57.13	-16.51	52.75	-15.70	53.83	-13.90	N/A		0.0	
2/14/22	7:57	65.9	-26.9	63.6	-24.7	64.27	-25.9	64.52	-25.8	62.72	-24.3	56.3	-16.6	39.19	-1.06	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
2/15/22	7:43	65.88	-26.9	63.46	-24.5	64.26	-25.9	63.55	-24.8	62.76	-24.3	56.39	-16.7	39.15	-1.02	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
2/16/22	7:45	65.87	-26.9	63.56	-24.6	64.23	-25.8	63.5	-24.8	62.82	-24.4	56.24	-16.6	39	-0.87	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
2/17/22	7:45	65.92	-26.9	63.63	-24.7	64.26	-25.9	63.54	-24.8	63	-24.6	62.17	-22.5	38.8	-0.67	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.1	
2/18/22	8:46	66.07	-27.1	63.46	-24.5	64.52	-26.1	63.68	-24.9	63	-24.6	56.39	-16.7	38.85	-0.72	DRY		DRY		DRY		46.08	-13.84	DRY		57.4	-16.78	52.82	-15.77	54.17	-14.24	N/A		0.0	
2/21/22	7:54	66.2	-27.2	63.84	-24.9	64.47	-26.1	63.75	-25.0	63	-24.6	56.43	-16.8	38.98	-0.85	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
2/22/22	7:44	66.22	-27.2	63.82	-24.9	64.48	-26.1	63.64	-24.9	63	-24.6	56.4	-16.7	38.87	-0.74	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
2/23/22	7:46	66.32	-27.3	63.92	-25.0	64.56	-26.2	63.87	-25.1	63.06	-24.6	56.48	-16.8	38.88	-0.75	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
2/24/22	8:12	66.34	-27.3	63.9	-25.0	64.6	-26.2	63.88	-25.1	63.07	-24.7	56.41	-16.8	38.9	-0.77	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
2/25/22	8:08	66.44	-27.4	64.1	-25.2	64.74	-26.4	64	-25.3	63.2	-24.8	56.59	-16.9	38.97	-0.84	DRY		DRY		DRY		46.22	-13.98	DRY		57.53	-16.91	53.03	-15.98	54.38	-14.45	N/A		0.0	
2/28/22	7:15	67.22	-28.2	64.62	-25.7	65.28	-26.9	63.88	-25.1	55.64	-17.2	55.88	-16.2	39	-0.87	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/1/22	7:43	66.68	-27.7	64.2	-25.3	64.83	-26.4	64	-25.3	63.13	-24.7	56.53	-16.9	39	-0.87	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/2/22	8:32	66.68	-27.7	64.3	-25.4	64.93	-26.5	64.06	-25.3	63.15	-24.7	56.62	-17.0	38.9	-0.77	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/3/22	7:41	66.72	-27.7	64.26	-25.3	64.93	-26.5	64.1	-25.4	63.2	-24.8	56.63	-17.0	38.8	-0.67	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/4/22	7:54	66.73	-27.7	64.23	-25.3	64.97	-26.6	64.2	-25.5	63.3	-24.9	56.8	-17.1	38.66	-0.53	DRY		DRY		DRY		46.29	-14.05	DRY		57.63	-17.01	53.12	-16.07	54.59	-14.66	N/A		0.0	
3/7/22	7:54	66.8	-27.8	64.34	-25.4	65.07	-26.7	64.22	-25.5	63.32	-24.9	56.78	-17.1	38.56	-0.43	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/8/22	8:43	66.83	-27.8	64.36	-25.4	65.1	-26.7	64.26	-25.5	63.92	-25.5	56.73	-17.1	38.57	-0.44	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/9/22	9:01	66.92	-27.9	64.44	-25.5	65.2	-26.8	64.33	-25.6	63.36	-24.9	56.8	-17.1	38.56	-0.43	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/10/22	7:45	66.7	-27.7	64.36	-25.4	65.12	-26.7	64.28	-25.5	63.33	-24.9	56.73	-17.1	38.34	-0.21	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.1	
3/11/22	7:41	66.59	-27.6	64.27	-25.3	65.05	-26.7	64.24	-25.5	63.3	-24.9	56.7	-17.0	38.62	-0.49	DRY		DRY		DRY		46.36	-14.12	DRY		57.7	-17.08	53.26	-16.21	54.56	-14.63	N/A		-0.1	
3/14/22	8:05	66.46	-27.5	64.14	-25.2	65	-26.6	64.17	-25.4	63.26	-24.8	56.77	-17.1	38.98	-0.85	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/15/22	10:06	66.3	-27.3	63.9	-25.0	64.66	-26.3	63.8	-25.1	63.33	-24.9	60.57	-20.9	38.63	-0.50	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.1	
3/16/22	7:15	66.18	-27.2	63.93	-25.0	64.7	-26.3	63.94	-25.2	63	-24.6	56.5	-16.8	38.73	-0.60	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/17/22	6:53	66.16	-27.2	63.94	-25.0	64.75	-26.4	64.08	-25.3	63.14	-24.7	56.8	-17.1	38.77	-0.64	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/18/22	7:00	66	-27.0	63.84	-24.9	64.68	-26.3	63.97	-25.2	63.12	-24.7	56.57	-16.9	38.67	-0.54	DRY		DRY		DRY		46.24	-14.00	DRY		57.6	-16.98	53	-15.95	54.18	-14.25	N/A		0.0	
3/21/22	7:15	66	-27.0	63.8	-24.9	64.6	-26.2	63.94	-25.2	63.1	-24.7	56.6	-16.9	38.97	-0.84	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/22/22	7:07	65.98	-27.0	63.74	-24.8	64.59	-26.2	63.87	-25.1	63	-24.6	56.5	-16.8	38.79	-0.66	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/23/22	7:27	66.06	-27.1	63.9	-25.0	64.7	-26.3	63.98	-25.2	63.1	-24.7	56.56	-16.9	38.64	-0.51	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/24/22	7:19	66.07	-27.1	63.85	-24.9	64.7	-26.3	64	-25.3	63.13	-24.7	56.62	-17.0	38.83	-0.70	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/25/22	6:51	66.06	-27.1	63.9	-25.0	64.7	-26.3	64.05	-25.3	63.64	-25.2	56.86	-17.2	38.87	-0.74	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/28/22	7:20	66.16	-27.2	63.93	-25.0	64.8	-26.4	64	-25.3	63.2	-24.8	57.72	-18.1	38.83	-0.70	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/29/22	7:08	66.2	-27.2	63.93	-25.0	64.85	-26.5	63.93	-25.2	63.19	-24.8	56.98	-17.3	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
3/30/22	7:00	66.15	-27.1	63.9	-25.0	64.76	-26.4	63.92	-25.2	63.12	-24.7	56.6	-16.9	38.43	-0.30	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.1	
3/31/22	7:09	66.2	-27.2	64	-25.1	64.9	-26.5	64	-25.3	63.19	-24.8	56.78	-17.1	38.32	-0.19	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		N/A		0.0	

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Plant Daniel ATB

Job 1741-1030

Date	Time	P-13		P-14		P-15		P-16		P-17		P-18		OW-1		OW-2		OW-3		OW-4		BAW-1		BAW-2A		BAW-3		BAW-4		BAW-5		BAW-7		OW Drawdown	Notes
		39.01		38.95		38.39		38.75		38.42		39.66		36.15		38.32		38.38		37.65														
		41.1		40.66		40.49		41.16		40.62		41.89		38.13		41.21		40.42		40.05		32.24		41.15		40.62		37.05		39.93		35.05			
		Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	ft/day	
4/1/22	7:02	66.29	-27.3	64.07	-25.1	64.96	-26.6	64.07	-25.3	63.26	-24.8	56.82	-17.2	38.53	-0.40	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
4/4/22	7:30	66.27	-27.3	64.06	-25.1	64.88	-26.5	64	-25.3	63.17	-24.8	56.73	-17.1	38.57	-0.44	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/5/22	7:00	66.19	-27.2	63.9	-25.0	64.84	-26.5	63.9	-25.2	63.05	-24.6	56.63	-17.0	38.44	-0.31	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/6/22	6:53	66.22	-27.2	63.96	-25.0	64.92	-26.5	63.93	-25.2	63.1	-24.7	56.04	-16.4	38.47	-0.34	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/7/22	6:55	66.24	-27.2	64	-25.1	65	-26.6	64	-25.3	63.2	-24.8	56.8	-17.1	38.62	-0.49	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/8/22	6:46	66.2	-27.2	64	-25.1	64.96	-26.6	64	-25.3	63.2	-24.8	56.8	-17.1	38.76	-0.63	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/11/22	7:24	66.1	-27.1	64	-25.1	64.94	-26.6	63.97	-25.2	63.12	-24.7	56.73	-17.1	38.73	-0.60	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/12/22	7:02	66.18	-27.2	64	-25.1	64.94	-26.6	64	-25.3	63.13	-24.7	56.7	-17.0	38.75	-0.62	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/13/22	6:57	66.15	-27.1	64	-25.1	64.93	-26.5	63.98	-25.2	63.13	-24.7	56.7	-17.0	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/14/22	6:46	66.18	-27.2	64.05	-25.1	64.96	-26.6	64	-25.3	63.13	-24.7	56.7	-17.0	38.6	-0.47	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/15/22	8:03	66.1	-27.1	64	-25.1	64.93	-26.5	63.98	-25.2	63.13	-24.7	56.7	-17.0	38.72	-0.59	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/18/22	7:00	66	-27.0	63.92	-25.0	64.88	-26.5	63.92	-25.2	63.13	-24.7	56.69	-17.0	38.66	-0.53	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/19/22	9:01	66	-27.0	63.85	-24.9	64.82	-26.4	63.93	-25.2	63.22	-24.8	56.75	-17.1	38.87	-0.74	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/20/22	7:05	65.93	-26.9	63.79	-24.8	64.73	-26.3	63.89	-25.1	63.12	-24.7	56.69	-17.0	38.83	-0.70	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/21/22	7:00	65.93	-26.9	63.79	-24.8	64.79	-26.4	63.9	-25.2	63.13	-24.7	56.69	-17.0	38.75	-0.62	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/22/22	7:00	65.87	-26.9	63.76	-24.8	64.75	-26.4	63.9	-25.2	63.12	-24.7	56.7	-17.0	38.82	-0.69	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/25/22	7:29	66	-27.0	63.9	-25.0	64.9	-26.5	64.05	-25.3	63.76	-25.3	62.7	-23.0	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/28/22	7:21	65.66	-26.7	63.62	-24.7	64.63	-26.2	63.97	-25.2	63.22	-24.8	56.79	-17.1	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
4/29/22	7:13	65.75	-26.7	63.68	-24.7	64.63	-26.2	63.92	-25.2	63	-24.6	56.63	-17.0	38.65	-0.52	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/1/22	7:54															DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.1	
5/2/22	8:12	66.04	-27.0	63.93	-25.0	64.86	-26.5	64.05	-25.3	63.19	-24.8	56.77	-17.1	38.68	-0.55	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
5/3/22	7:04	66.15	-27.1	64	-25.1	64.97	-26.6	64.13	-25.4	63.27	-24.9	56.7	-17.0	38.65	-0.52	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/4/22	7:10	66.2	-27.2	64.1	-25.2	65	-26.6	64.2	-25.5	63.32	-24.9	56.82	-17.2	38.66	-0.53	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/5/22	7:48	66.29	-27.3	64.19	-25.2	65.1	-26.7	64.26	-25.5	63.65	-25.2	56.95	-17.3	38.63	-0.50	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/6/22	8:30	66.39	-27.4	64.24	-25.3	65.16	-26.8	64.28	-25.5	63.82	-25.4	56.9	-17.2	38.54	-0.41	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/9/22	6:36	66.57	-27.6	64.4	-25.5	65.38	-27.0	64.5	-25.8	64	-25.6	65.72	-26.1	38.62	-0.49	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/10/22	7:17	66.55	-27.5	64.47	-25.5	65.38	-27.0	64.45	-25.7	64.55	-26.1	55.67	-16.0	38.72	-0.59	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/11/22	7:15	66.59	-27.6	64.49	-25.5	65.42	-27.0	64.45	-25.7	63.55	-25.1	57	-17.3	38.19	-0.06	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.1	
5/12/22	7:26	66.6	-27.6	64.49	-25.5	65.38	-27.0	64.45	-25.7	63.52	-25.1	56.92	-17.3	38.78	-0.65	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		-0.1	
5/13/22	7:12	66.52	-27.5	64.43	-25.5	65.43	-27.0	64.43	-25.7	64	-25.6	62.97	-23.3	38.68	-0.55	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/16/22	7:16	66.73	-27.7	64.6	-25.7	65.22	-26.8	64.6	-25.9	63.63	-25.2	57.08	-17.4	38.68	-0.55	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/17/22	7:32	66.79	-27.8	64.65	-25.7	65.64	-27.3	64.65	-25.9	64.19	-25.8	57.1	-17.4	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/18/22	7:27	66.84	-27.8	64.74	-25.8	65.73	-27.3	64.65	-25.9	63.7	-25.3	57.14	-17.5	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/19/22	7:16	66.85	-27.8	64.7	-25.8	65.75	-27.4	64.6	-25.9	63.72	-25.3	57.23	-17.6	38.67	-0.54	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/20/22	6:59	66.86	-27.9	64.74	-25.8	65.6	-27.2	64.7	-26.0	63.72	-25.3	57.13	-17.5	38.52	-0.39	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/23/22	8:35	66.95	-27.9	64.84	-25.9	65.9	-27.5	64.78	-26.0	63.8	-25.4	57.22	-17.6	38.47	-0.34	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/24/22	8:32	66.88	-27.9	64.95	-26.0	65.83	-27.4	64.76	-26.0	63.73	-25.3	57.24	-17.6	38.4	-0.27	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/25/22	8:00	66.48	-27.5	64.64	-25.7	65.77	-27.4	64.74	-26.0	63.7	-25.3	57.2	-17.5	38.4	-0.27	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/26/22	7:43	65.7	-26.7	64.26	-25.3	65.49	-27.1	64.56	-25.8	63.62	-25.2	57	-17.3	38.34	-0.21	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/27/22	6:38	65.3	-26.3	64	-25.1	65.28	-26.9	64.42	-25.7	63.5	-25.1	56.98	-17.3	38.46	-0.33	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
5/31/22	7:20	65.07	-26.1	63.45	-24.5	64.77	-26.4	64	-25.3	63.28	-24.9	56.86	-17.2	38.54	-0.41	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/1/22	7:11	65.14	-26.1	63.44	-24.5	64.72	-26.3	64.05	-25.3	63.5	-25.1	62.63	-23.0	38.56	-0.43	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		N/A		0.0	
6/2/22	7:10	65.24	-26.2	63.45	-24.5	64.7	-26.3	64	-25.3	63.26	-24.8	56.8	-17.1	38.52	-0.39	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/3/22	7:16	65.38	-26.4	63.55	-24.6	64.8	-26.4	64	-25.3	63.25	-24.8	56.7	-17.0	38.46	-0.33	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/6/22	6:55	65.75	-26.7	63.88	-24.9	64.95	-26.6	64.13	-25.4	63.34	-24.9	65.82	-26.2	38.49	-0.36	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/7/22	7:25	65.82	-26.8	63.88	-24.9	65.06	-26.7	64.3	-25.6	63.54	-25.1	56.79	-17.1	38.55	-0.42	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/8/22	7:47	65.92	-26.9	63.93	-25.0	65.05	-26.7	64.34	-25.6	63.9	-25.5	56.82	-17.2	38.6	-0.47	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/9/22	7:29	66	-27.0	64	-25.1	65.14	-26.8	64.34	-25.6	63.47	-25.1	56.9	-17.2	38.6	-0.47	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/10/22	8:02	65.97	-27.0	63.94	-25.0	65.12	-26.7	64.14	-25.4	63.43	-25.0	56.87	-17.2	38.6	-0.47	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/13/22	7:56	66.27	-27.3	64.25	-25.3	65.4	-27.0	64.53	-25.8	64.12	-25.7	63	-23.3	38.65	-0.52	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/14/22	8:30	66.34	-27.3	64.32	-25.4	65.46	-27.1	64.53	-25.8	63.69	-25.3	57.26	-17.6	38.68	-0.55	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/15/22	8:18	66.39	-27.4	64.37	-25.4	65.52	-27.1	64.56	-25.8	63.9	-25.5	57.2	-17.5	38.67	-0.54	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/16/22	8:26	66.48	-27.5	64.38	-25.4	65.62	-27.2	64.67	-25.9	63.84	-25.4	57.24	-17.6	38.65	-0.52	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/17/22	7:55	66.56	-27.6	64.52	-25.6	65.66	-27.3	64.8	-26.1	64.28	-25.9	63.18	-23.5	38.68	-0.55	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/20/22	8:10	66.73	-27.7	64.75	-25.8	65.89	-27.5	64.92	-26.2	64.4	-26.0	57.42	-17.8	38.69	-0.56	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/21/22	8:18	66.82	-27.8	64.83	-25.9	65.96	-27.6	64.93	-26.2	64	-25.6	57.5	-17.8	38.76	-0.63	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/22/22	7:50	66.85	-27.8	64.86	-25.9	66	-27.6	65	-26.3	64.46	-26.0	57.46	-17.8	38.73	-0.60	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/23/22	7:25	66.83	-27.8	64.77	-25.8	65.96	-27.6	64.82	-26.1	64	-25.6	57.37	-17.7	38.62	-0.49	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/24/22	7:34	66.92	-27.9	64.88	-25.9	66.07	-27.7	65.07	-26.3	64.14	-25.7	57.45	-17.8	38.58	-0.45	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/27/22	7:12	67.07	-28.1	65	-26.1	66.2	-27.8	65.13	-26.4	64.1	-25.7	57.45	-17.8	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/28/22	8:15	67.08	-28.1	65.06	-26.1	66.22	-27.8	65.16	-26.4	64.58	-26.2	57.45	-17.8	38.73	-0.60	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/29/22	6:43	67.1	-28.1	65.1	-26.2	66.26	-27.9	65.2	-26.5	64.15	-25.7	57.54	-17.9	38.75	-0.62	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
6/30/22	11:02	67.07	-28.1	65.09	-26.1	66.26	-27.9	65.23	-26.5	64.14	-25.7	57.52	-17.9	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
7/1/22	7:43	66.85	-27.8	65	-26.1	66.22	-27.8	65.17	-26.4	64.17	-25.8	57.42	-17.8	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
7/5/22	7:11	66.36	-27.4	64.7	-25.8	66	-27.6	65.05	-26.3	64.06	-25.6	57.47	-17.8	38.74	-0.61	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
7/6/22	7:02	66	-27.0	64.4	-25.5	65.82	-27.4	64.92	-26.2	63.96	-25.5	57.5	-17.8	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
7/7/22	7:09	65.8	-26.8	64.23	-25.3	65.64	-27.3	64.87	-26.1	63.88	-25.5	57.35	-17.7	38.67	-0.54	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
7/8/22	7:45	65.84	-26.8	64.2	-25.3	65.6	-27.2	64.86	-26.1	63.9	-25.5	57.44	-17.8	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
7/11/22	7:53	66	-27.0	64.25	-25.3	65.54	-27.2	64.9	-26.2	63.84	-25.4	57.33	-17.7	38.6	-0.47	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
7/12/22	7:20	66.5	-27.5	64.3	-25.4	65.58	-27.2	64.8	-26.1	63.84	-25.4	57.32	-17.7	38.6	-0.47	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
7/13/22	7:01	66.1	-27.1	64.33	-25.4	65.65	-27.3	64.88	-26.1	63.92	-25.5	57.4	-17.7	38.66	-0.53	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
7/14/22	7:06	66.08	-27.1	64.35	-25.4	65.65	-27.3	64.92	-26.2	64	-25.6	57.38	-17.7	38.74	-0.61	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
7/15/22	7:02	66	-27.0	64.33	-25.4	65.65	-27.3	64.9	-26.2	63.95	-25.5	57.43	-17.8	38.75	-0.62	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
7/18/22	7:10	65.86	-26.9	64.2	-25.3	65.54	-27.2	64.85	-26.1	63.9	-25.5	57.38	-17.7	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
7/19/22	7:55	65.79	-26.8	64	-25.1	65.46	-27.1	64.6	-25.9	63.84	-25.4	57.4	-17.7	38.72	-0.59	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
7/20/22	7:03	65.13	-26.1	64.1	-25.2	65.49	-27.1	64.77	-26.0	63.86	-25.4	57.3	-17.6	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
7/21/22	7:03	65.93	-26.9	64.15	-25.2	65.53	-27.1	64.79	-26.0	63.9	-25.5	57.32	-17.7	38.68	-0.55	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
7/22/22	7:04	66.17	-27.2	64.32	-25.4	65.72	-27.3	64.75	-26.0	64	-25.6	57.37	-17.7	38.69	-0.56	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	

100 Stickle Avenue
Rockaway, NJ 07866-3146
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Plant Daniel ATB

Job 1741-1030

Date	Time	P-13		P-14		P-15		P-16		P-17		P-18		OW-1		OW-2		OW-3		OW-4		BAW-1		BAW-2A		BAW-3		BAW-4		BAW-5		BAW-7		OW Drawdown	Notes
		39.01		38.95		38.39		38.75		38.42		39.66		36.15		38.32		38.38		37.65													
		41.1		40.66		40.49		41.16		40.62		41.89		38.13		41.21		40.42		40.05		32.24		41.15		40.62		37.05		39.93		35.05			
		Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	ft/day	
7/25/22	7:02	66.06	-27.1	64.29	-25.3	65.72	-27.3	64.9	-26.2	63.94	-25.5	57.4	-17.7	38.73	-0.60	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed		0.0	
7/26/22	7:06	66.08	-27.1	64.32	-25.4	65.7	-27.3	64.88	-26.1	63.93	-25.5	57.54	-17.9	38.74	-0.61	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
7/27/22	7:14	66.07	-27.1	64.29	-25.3	65.66	-27.3	64.89	-26.1	63.93	-25.5	57.43	-17.8	38.74	-0.61	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
7/28/22	7:09	66.09	-27.1	64.3	-25.4	65.66	-27.3	64.9	-26.2	63.94	-25.5	63.33	-23.7	38.72	-0.59	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
7/29/22	6:58	66.17	-27.2	64.32	-25.4	65.72	-27.3	64.9	-26.2	63.97	-25.6	57.48	-17.8	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/1/22	8:24	66.27	-27.3	64.43	-25.5	65.88	-27.5	64.96	-26.2	64	-25.6	57.52	-17.9	38.75	-0.62	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/2/22	7:08	66.29	-27.3	64.44	-25.5	65.76	-27.4	64.95	-26.2	63.95	-25.5	57.4	-17.7	38.73	-0.60	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/3/22	6:59	66	-27.0	64.24	-25.3	65.64	-27.3	64.8	-26.1	63.95	-25.5	57.4	-17.7	38.68	-0.55	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/4/22	6:53	66.05	-27.0	64.3	-25.4	65.74	-27.4	64.84	-26.1	63.95	-25.5	57.45	-17.8	37.8	0.33	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/5/22	7:07	66.16	-27.2	64.38	-25.4	65.79	-27.4	65	-26.3	64	-25.6	57.49	-17.8	38.7	-0.57	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/8/22	7:04	66.34	-27.3	64.52	-25.6	65.93	-27.5	65.12	-26.4	64.1	-25.7	57.58	-17.9	38.73	-0.60	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/9/22	7:12	66.38	-27.4	64.57	-25.6	65.96	-27.6	65.16	-26.4	64.09	-25.7	57.54	-17.9	38.69	-0.56	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/10/22	7:31	66.42	-27.4	64.62	-25.7	66	-27.6	65.2	-26.5	64.12	-25.7	57.57	-17.9	38.69	-0.56	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/11/22	8:34	66.3	-27.3	64.55	-25.6	66.1	-27.7	65.16	-26.4	64.1	-25.7	57.5	-17.8	38.65	-0.52	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/12/22	7:27	66.16	-27.2	64.45	-25.5	65.92	-27.5	65.15	-26.4	64.1	-25.7	57.62	-18.0	38.62	-0.49	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/15/22	8:16	65.9	-26.9	64.2	-25.3	65.7	-27.3	64.97	-26.2	63.95	-25.5	63	-23.3	38.52	-0.39	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/16/22	7:03	65.72	-26.7	63.98	-25.0	65.5	-27.1	64.73	-26.0	63.89	-25.5	57.38	-17.7	38.59	-0.46	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/17/22	7:06	65.95	-26.9	64.1	-25.2	65.64	-27.3	64.96	-26.2	63.92	-25.5	57.42	-17.8	38.65	-0.52	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/22/22	7:20	65.77	-26.8	63.95	-25.0	65.4	-27.0	64.67	-25.9	63.63	-25.2	57.1	-17.4	38.66	-0.53	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/23/22	7:06	65.74	-26.7	63.9	-25.0	65.3	-26.9	64.64	-25.9	63.56	-25.1	57	-17.3	38.62	-0.49	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/24/22	6:56	65.6	-26.6	63.8	-24.9	65.25	-26.9	64.62	-25.9	63.58	-25.2	57	-17.3	38.67	-0.54	DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/25/22	7:03															DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/26/22	6:32															DRY		DRY		DRY		N/A		N/A		N/A		N/A		N/A		Removed			
8/29/22	6:27																															Removed			
8/30/22	6:36																															Removed			
8/31/22	6:50																															Removed			
9/1/22	6:43																															Removed			
9/6/22	6:44																															Removed			
9/7/22	6:33																															Removed			
9/8/22	6:32																															Removed			
9/9/22	6:37																															Removed			
9/12/22	7:02																															Removed			
9/13/22	7:34	64.4	-25.4	62.25	-23.3	63.56	-25.2	63.1	-24.4	63.31	-24.9	55.82	-16.2	38.42	-0.29	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
9/14/22	7:02	64.5	-25.5	62.39	-23.4	63.74	-25.4	63.24	-24.5	62.45	-24.0	56	-16.3	38.46	-0.33	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
9/15/22	7:31	64.52	-25.5	62.41	-23.5	63.7	-25.3	63.22	-24.5	62.4	-24.0	55.4	-15.7	38.46	-0.33	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
9/16/22	7:10	64.49	-25.5	62.43	-23.5	63.73	-25.3	63.23	-24.5	62.45	-24.0	56.02	-16.4	38.45	-0.32	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
9/19/22	8:16	64.82	-25.8	62.74	-23.8	63.99	-25.6	63.35	-24.6	62.9	-24.5	56.25	-16.6	38.46	-0.33	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
9/20/22	8:01	64.72	-25.7	62.56	-23.6	63.95	-25.6	63.39	-24.6	62.58	-24.2	56.15	-16.5	38.46	-0.33	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
9/21/22	8:28	64.81	-25.8	62.66	-23.7	64	-25.6	63.43	-24.7	62.56	-24.1	56.2	-16.5	38.53	-0.40	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
9/22/22	8:14	64.88	-25.9	62.74	-23.8	64.06	-25.7	63.48	-24.7	62.62	-24.2	56.17	-16.5	38.44	-0.31	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
9/23/22	8:00	65	-26.0	62.85	-23.9	64.2	-25.8	63.65	-24.9	62.76	-24.3	56.32	-16.7	38.44	-0.31	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
9/26/22	7:35	65.2	-26.2	63.06	-24.1	64.4	-26.0	63.8	-25.1	62.89	-24.5	56.3	-16.6	38.46	-0.33	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
9/27/22	9:15	65.31	-26.3	63.15	-24.2	64.52	-26.1	64	-25.3	63.1	-24.7	56.65	-17.0	38.52	-0.39	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
9/28/22	7:13	65.42	-26.4	63.36	-24.4	64.67	-26.3	64	-25.3	63.12	-24.7	56.6	-16.9	38.6	-0.47	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
9/29/22	7:56	65.46	-26.5	63.25	-24.3	64.7	-26.3	64.12	-25.4	63.3	-24.9	56.82	-17.2	38.61	-0.48	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
9/30/22	7:00	65.46	-26.5	63.3	-24.4	64.75	-26.4	64.1	-25.4	63.14	-24.7	56.6	-16.9	38.51	-0.38	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/1/22	7:00															Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/3/22	7:58	65.6	-26.6	63.55	-24.6	64.95	-26.6	64.26	-25.5	63.25	-24.8	56.7	-17.0	38.62	-0.49	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/4/22	7:21	65.55	-26.5	63.32	-24.4	64.86	-26.5	64.22	-25.5	63.2	-24.8	56.8	-17.1	38.64	-0.51	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/5/22	7:12	65.6	-26.6	63.41	-24.5	64.94	-26.6	64.24	-25.5	63.27	-24.9	56.82	-17.2	38.85	-0.72	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/6/22	8:09	65.63	-26.6	63.5	-24.6	65	-26.6	64.33	-25.6	63.36	-24.9	57	-17.3	38.66	-0.53	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/7/22	7:35	65.67	-26.7	63.28	-24.3	65.02	-26.6	64.36	-25.6	63.36	-24.9	56.86	-17.2	38.69	-0.56	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/10/22	9:07	65.84	-26.8	63.71	-24.8	65.2	-26.8	64.5	-25.8	63.46	-25.0	57	-17.3	38.74	-0.61	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/11/22	8:42	65.84	-26.8	63.74	-24.8	65.25	-26.9	64.53	-25.8	63.45	-25.0	57.03	-17.4	38.7	-0.57	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/12/22	8:53	65.86	-26.9	63.79	-24.8	65.25	-26.9	64.5	-25.8	63.45	-25.0	56.98	-17.3	38.6	-0.47	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/13/22	9:05	65.92	-26.9	63.88	-24.9	65.39	-27.0	64.63	-25.9	63.53	-25.1	57	-17.3	38.52	-0.39	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/14/22	9:27	66	-27.0	63.9	-25.0	65.49	-27.1	64.76	-26.0	63.65	-25.2	57.13	-17.5	38.58	-0.45	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/17/22	9:43	66.02	-27.0	64.09	-25.1	65.59	-27.2	64.82	-26.1	63.75	-25.3	57.19	-17.5	38.58	-0.45	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/18/22	11:16	66.14	-27.1	64.17	-25.2	65.75	-27.4	64.96	-26.2	63.85	-25.4	57.25	-17.6	38.66	-0.53	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/19/22	8:54	66.14	-27.1	64	-25.1	65.72	-27.3	64.9	-26.2	63.83	-25.4	57.28	-17.6	38.83	-0.70	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/20/22	7:35	66.14	-27.1	63.98	-25.0	65.73	-27.3	64.9	-26.2	63.83	-25.4	57.4	-17.7	38.8	-0.67	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/21/22	7:39	66.19	-27.2	64.1	-25.2	65.8	-27.4	64.97	-26.2	63.97	-25.6	57.5	-17.8	38.74	-0.61	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/24/22	9:27	66.28	-27.3	64.2	-25.3	65.9	-27.5	65.1	-26.4	64	-25.6	57.6	-17.9	38.72	-0.59	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/25/22	8:46	66.3	-27.3	64.23	-25.3	65.9	-27.5	65.09	-26.3	64	-25.6	57.45	-17.8	38.61	-0.48	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/26/22	7:55	66.36	-27.4	64.4	-25.5	66.07	-27.7	65.22	-26.5	64	-25.6	57.47	-17.8	38.63	-0.50	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/27/22	7:28	66.4	-27.4	64.3	-25.4	66.1	-27.7	65.26	-26.5	64.1	-25.7	57.6	-17.9	38.7	-0.57	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/28/22	7:17	66.44	-27.4	64.44	-25.5	66.2	-27.8	65.4	-26.7	64.2	-25.8	57.6	-17.9	38.75	-0.62	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
10/31/22	7:49	66.14	-27.1	64.41	-25.5	66.28	-27.9	65.41	-26.7	64.21	-25.8	57.67	-18.0	38.7	-0.57	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
11/1/22	7:56	66.46	-27.5	64.45	-25.5	66.32	-27.9	65.46	-26.7	64.12	-25.7	57.7	-18.0	38.8	-0.67	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
11/2/22	7:55	66.4	-27.4	64.44	-25.5	66.32	-27.9	65.5	-26.8	64.26	-25.8	57.7	-18.0	38.88	-0.75	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
11/3/22	7:40	66.39	-27.4	64.4	-25.5	66.3	-27.9	65.4	-26.7	64.25	-25.8	57.68	-18.0	38.86	-0.73	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
11/7/22	7:46	66.41	-27.4	63.54	-24.6	66.43	-28.0	65.54	-26.8	64.34	-25.9	57.82	-18.2	38.81	-0.68	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
11/8/22	7:08	66.4	-27.4	64.5	-25.6	66.4	-28.0	65.5	-26.8	64.31	-25.9	57.8	-18.1	38.39	-0.26	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
11/9/22	9:17	66.32	-27.3	64.47	-25.5	66.44	-28.1	65.5	-26.8	64.32	-25.9	57.8	-18.1	38.91	-0.78	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
11/10/22	7:40	66.17	-27.2	64.1	-25.2	66.18	-27.8	65.1	-26.4	64.16	-25.7	57.7	-18.0	38.75	-0.62	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
11/11/22	7:26	66.28	-27.3	64.26	-25.3	66.35	-28.0	65.3	-26.6	64.26	-25.8	57.82	-18.2	38.53	-0.40	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
11/14/22	7:31	66.36	-27.4	64.4	-25.5	66.37	-28.0	65.31	-26.6	64.34	-25.9	57.95	-18.3	38.91	-0.78	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
11/15/22	7:17	66.35	-27.3	64.4	-25.5	66.4	-28.0	65.35	-26.6	64.34	-25.9	57.86	-18.2	38.74	-0.61	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			

100 Stickle Avenue
Rockaway, NJ 07866-3146
Tel (973) 627-2100

Plant Daniel ATB

Job 1741-1030

Date	Time	P-13		P-14		P-15		P-16		P-17		P-18		OW-1		OW-2		OW-3		OW-4		BAW-1		BAW-2A		BAW-3		BAW-4		BAW-5		BAW-7		OW Drawdown	Notes
		39.01		38.95		38.39		38.75		38.42		39.66		36.15		38.32		38.38		37.65														
		41.1		40.66		40.49		41.16		40.62		41.89		38.13		41.21		40.42		40.05		32.24		41.15		40.62		37.05		39.93		35.05			
		Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	Depth to Water (ft)	Elev (ft)	ft/day	
11/16/22	8:25	66.24	-27.2	64.45	-25.5	66.4	-28.0	65.3	-26.6	64.37	-26.0	57.9	-18.2	38.97	-0.84	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
11/17/22	7:14	66.17	-27.2	64.35	-25.4	66.4	-28.0	65.24	-26.5	64.35	-25.9	57.9	-18.2	39.03	-0.90	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
11/18/22	8:04	66.18	-27.2	64.34	-25.4	66.3	-27.9	65.16	-26.4	64.33	-25.9	57.9	-18.2	39.05	-0.92	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
11/21/22	8:00	66.24	-27.2	64.43	-25.5	66.4	-28.0	65.18	-26.4	64.35	-25.9	57.88	-18.2	39	-0.87	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
11/22/22	7:06	66.25	-27.2	64.53	-25.6	66.4	-28.0	65.15	-26.4	64.46	-26.0	57.87	-18.2	38.92	-0.79	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
11/29/22	8:22	64.98	-26.0	63.67	-24.7	65.8	-27.4	64.47	-25.7	64.1	-25.7	57.7	-18.0	38.74	-0.61	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
11/30/22	8:25	64.78	-25.8	63.61	-24.7	65.8	-27.4	64.48	-25.7	64.1	-25.7	57.7	-18.0	38.6	-0.47	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/1/22	7:51	64.36	-25.4	63.17	-24.2	65.48	-27.1	64.28	-25.5	64	-25.6	57.7	-18.0	38.95	-0.82	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/2/22	7:54	64.1	-25.1	62.95	-24.0	65.46	-27.1	64.1	-25.4	63.94	-25.5	57.61	-18.0	38.9	-0.77	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/5/22	8:10	62.75	-23.7	62.95	-24.0	64.95	-26.6	63.81	-25.1	63.6	-25.2	57.47	-17.8	38.7	-0.57	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/6/22	8:20	64.33	-25.3	62.83	-23.9	65	-26.6	63.82	-25.1	63.72	-25.3	63.29	-23.6	38.69	-0.56	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/7/22	10:41	64.36	-25.4	62.86	-23.9	64.94	-26.6	63.77	-25.0	63.64	-25.2	57.35	-17.7	38.9	-0.77	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/8/22	7:09	64.45	-25.4	62.9	-24.0	64.9	-26.5	63.71	-25.0	63.71	-25.3	57.38	-17.7	38.81	-0.68	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/9/22	8:25	64.53	-25.5	62.92	-24.0	64.94	-26.6	63.65	-24.9	63.53	-25.1	57.26	-17.6	38.77	-0.64	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/12/22	9:08	64.69	-25.7	63.09	-24.1	64.98	-26.6	63.75	-25.0	63.49	-25.1	57.15	-17.5	38.1	0.03	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/13/22	11:01	64.7	-25.7	63	-24.1	65	-26.6	63.59	-24.8	63.46	-25.0	57.18	-17.5	38.67	-0.54	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/14/22	7:35	64.63	-25.6	62.8	-23.9	64.91	-26.5	63.33	-24.6	63.45	-25.0	57.18	-17.5	38.56	-0.43	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/15/22	12:41	64.68	-25.7	63.05	-24.1	64.98	-26.6	63.4	-24.7	63.4	-25.0	57.2	-17.5	38.68	-0.55	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/16/22	7:16	64.79	-25.8	63.05	-24.1	65.03	-26.6	63.43	-24.7	63.5	-25.1	57.28	-17.6	38.7	-0.57	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/19/22	7:00	64.86	-25.9	63.02	-24.1	65.1	-26.7	63.4	-24.7	63.54	-25.1	57.33	-17.7	38.92	-0.79	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/20/22	6:56	64.85	-25.8	63.02	-24.1	65.01	-26.6	63.29	-24.5	63.42	-25.0	57.1	-17.4	38.82	-0.69	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/21/22	7:13	64.7	-25.7	63.1	-24.2	65	-26.6	63.12	-24.4	63.4	-25.0	57.22	-17.6	38.83	-0.70	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/22/22	6:42	63.85	-24.8	62.4	-23.5	64.23	-25.8	62.35	-23.6	63.02	-24.6	61.65	-22.0	37.72	0.41	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/27/22	7:19	64.9	-25.9	63.32	-24.4	65.5	-27.1	63.4	-24.7	64.4	-26.0	58.2	-18.5	38.8	-0.67	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/28/22	7:17	65	-26.0	63.42	-24.5	65.58	-27.2	63.44	-24.7	64.5	-26.1	58.2	-18.5	38.75	-0.62	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/29/22	7:17	65.08	-26.1	63.5	-24.6	65.6	-27.2	63.22	-24.5	64.04	-25.6	57.52	-17.9	38.73	-0.60	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
12/30/22	7:38	64.86	-25.9	63.1	-24.2	65.25	-26.9	62.84	-24.1	63.73	-25.3	57.3	-17.6	38.66	-0.53	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/1/23	11:00															Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/3/23	7:08	64.25	-25.2	62.84	-23.9	64.96	-26.6	62.44	-23.7	63.4	-25.0	57.04	-17.4	38.64	-0.51	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/4/23	7:19	64.3	-25.3	62.85	-23.9	64.97	-26.6	62.45	-23.7	63.47	-25.1	57.11	-17.5	38.52	-0.39	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/5/23	7:42	64.16	-25.2	62.84	-23.9	64.9	-26.5	62.4	-23.7	63.45	-25.0	57.05	-17.4	38.5	-0.37	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/6/23	8:02	64.05	-25.0	62.75	-23.8	64.85	-26.5	62.38	-23.6	63.38	-25.0	57.03	-17.4	38.86	-0.73	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/9/23	9:35	63.87	-24.9	62.42	-23.5	64.54	-26.2	61.92	-23.2	63.2	-24.8	56.92	-17.3	38.77	-0.64	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/10/23	7:26	63.92	-24.9	62.48	-23.5	64.5	-26.1	61.84	-23.1	63.12	-24.7	56.84	-17.2	38.75	-0.62	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/11/23	7:51	63.99	-25.0	62.5	-23.6	64.5	-26.1	61.8	-23.1	63.1	-24.7	56.96	-17.3	38.67	-0.54	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/12/23	7:27	64.02	-25.0	62.56	-23.6	64.5	-26.1	61.72	-23.0	63.05	-24.6	56.75	-17.1	38.66	-0.53	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/13/23	8:19	64.16	-25.2	62.68	-23.7	64.6	-26.2	61.8	-23.1	63.15	-24.7	56.85	-17.2	38.82	-0.69	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/16/23	8:15	64.26	-25.3	62.7	-23.8	64.6	-26.2	62	-23.3	63.4	-25.0	56.62	-17.0	38.75	-0.62	Dry		Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			Turn system off
1/17/23		53.56	-14.6	54.82	-15.9	56.03	-17.6	56	-17.3	54.4	-16.0	54.79	-15.1	38.66	-0.53	46.1	-4.89	Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/18/23		53.1	-14.1	54.1	-15.2	55.15	-16.8	55.1	-16.4	53.5	-15.1	54	-14.3	38.66	-0.53	46.1	-4.89	Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/19/23		52.68	-13.7	53.55	-14.6	54.47	-16.1	54.37	-15.6	52.78	-14.4	53.24	-13.6	38.62	-0.49	46.1	-4.89	Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/20/23		52.28	-13.3	52.95	-14.0	53.82	-15.4	53.7	-15.0	52.11	-13.7	52.63	-13.0	38.75	-0.62	46.1	-4.89	Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/23/23		51.2	-12.2	51.6	-12.7	52.14	-13.8	51.88	-13.1	50.4	-12.0	50.9	-11.2	38.6	-0.47	46.1	-4.89	Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/24/23		50.74	-11.7	51	-12.1	51.5	-13.1	51.22	-12.5	49.6	-11.2	50.21	-10.6	38.68	-0.55	46	-4.79	Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/25/23		50.34	-11.3	50.48	-11.5	50.9	-12.5	50.55	-11.8	48.9	-10.5	49.5	-9.8	38.21	-0.08	46	-4.79	Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/26/23		50.15	-11.1	50.3	-11.4	50.7	-12.3	50.3	-11.6	48.75	-10.3	49.36	-9.7	38.53	-0.40	46	-4.79	Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/27/23		61.27	-22.3	57.8	-18.9	61.48	-23.1	55.15	-16.4	57.12	-18.7	50	-10.3	38.6	-0.47	46	-4.79	Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/30/23		56.66	-17.7	57.1	-18.2	60.36	-22.0	54	-15.3	56	-17.6	48.65	-9.0	38.17	-0.04	46	-4.79	Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
1/31/23		48.98	-10.0	48.96	-10.0	49.16	-10.8	48.65	-9.9	47.05	-8.6	47.65	-8.0	38.2	-0.07	46	-4.79	Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
2/1/23		48.54	-9.5	48.55	-9.6	48.6	-10.2	48.15	-9.4	46.6	-8.2	47.2	-7.5	38.15	-0.02	46	-4.79	Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
2/2/23		48.1	-9.1	48	-9.1	48.14	-9.8	47.6	-8.9	46.06	-7.6	46.8	-7.1	38.05	0.08	46	-4.79	Dry		Dry		N/A		N/A		N/A		N/A		N/A		Removed			
2/6/23		46.8	-7.8	46.52	-7.6	46.45	-8.1	45.95	-7.2	44.5	-6.1	45.2	-5.5	37.64	0.49	46.7	-5.49	46.44	-6.02	45.75	-5.70	N/A		N/A		N/A		N/A		N/A		Removed			
2/7/23		46.41	-7.4	46.1	-7.2	46.03	-7.6	45.55	-6.8	44.07	-5.7	44.8	-5.1	37.46	0.67	46.83	-5.62	45.04	-4.62	45.2	-5.15	N/A		N/A		N/A		N/A		N/A		Removed			
2/8/23		46.05	-7.0	45.75	-6.8	45.6	-7.2	45.15	-6.4	43.7	-5.3	44.45	-4.8	37.32	0.81	45.8	-4.59	45.61	-5.19	44.2	-4.15	N/A		N/A		N/A		N/A		N/A		Removed			
2/9/23		45.66	-6.7	45.3	-6.3	45.21	-6.8	44.77	-6.0	43.75	-5.3	44.15	-4.5	37.07	1.06	46.1	-4.89	45.21	-4.79	43.17	-3.12	N/A		N/A		N/A		N/A		N/A		Removed			
2/10/23		45.25	-6.2	44.93	-6.0	44.85	-6.5	44.5	-5.8	43.05	-4.6	43.8	-4.1	37	1.13	46.1	-4.89	44.81	-4.39	42.7	-2.65	N/A		N/A		N/A		N/A		N/A		Removed			
2/13/23		44.08	-5.1	43.61	-4.7	43.45	-5.1	43.18	-4.4	41.81	-3.4	42.7	-3.0	36.58	1.55	44.79	-3.58	43.46	-3.04	41.1	-1.05	N/A		N/A		N/A		N/A		N/A		Removed			
2/14/23		43.83	-4.8	43.41	-4.5	43.25	-4.9	43	-4.3	41.58	-3.2	42.42	-2.8	36.31	1.82	44.59	-3.38	43.21	-2.79	40.9	-0.85	N/A		N/A		N/A		N/A		N/A		Removed			
2/15/23		43.6	-4.6	43.2	-4.3	43.05	-4.7	42.9	-4.2	41.4	-3.0	42.18	-2.5	36.17	1.96	44.37	-3.16	43	-2.58	40.88	-0.83	N/A		N/A		N/A		N/A		N/A		Removed			
2/16/23		45.38	-6.4	42.87	-3.9	42.65	-4.3	42.31	-3.6	41.05	-2.6	41.88	-2.2	36	2.13	44.03	-2.82	42.65	-2.23	40.78	-0.73	N/A		N/A		N/A		N/A		N/A		Removed			
2/20/23		65.1	-26.1	54.83	-15.9	58.65	-20.3	52.15	-13.4	53.98	-15.6	46.5	-6.8	38.52	-0.39	47.3	-6.09	47.82	-7.40	43.5	-3.45	N/A		N/A		N/A		N/A		N/A		Removed			

Southern Company

APPENDIX B

Laboratory Analytical Data and Field Sampling Records

Low-Flow Test Report:

Test Date / Time: 3/17/2025 12:11:30 PM
Project: Daniel CCR BAW-1
Operator Name: Rick Hagendorfer

Location Name: Daniel CCR BAW-1 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 55.6 ft** **Total Depth: 60.6 ft** **Initial Depth to Water: 24.45 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 58.1 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1205621**

Test Notes:

Weather Conditions:
Sunny 65

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/17/2025 12:11 PM	00:00	5.62 pH	21.71 °C	39.98 µS/cm	6.20 mg/L		145.6 mV	24.45 ft	400.00 ml/min
3/17/2025 12:16 PM	05:00	4.97 pH	22.79 °C	38.72 µS/cm	4.24 mg/L	0.33 NTU	108.3 mV	24.45 ft	400.00 ml/min
3/17/2025 12:21 PM	10:00	4.98 pH	22.79 °C	39.59 µS/cm	4.21 mg/L	0.54 NTU	97.1 mV	24.45 ft	400.00 ml/min
3/17/2025 12:26 PM	15:00	5.01 pH	22.84 °C	38.53 µS/cm	4.25 mg/L	0.34 NTU	93.6 mV	24.45 ft	400.00 ml/min
3/17/2025 12:31 PM	20:00	5.04 pH	22.89 °C	38.11 µS/cm	4.24 mg/L	0.25 NTU	91.2 mV	24.45 ft	400.00 ml/min

Samples

Sample ID:	Description:
BAW-1	Sample time 1234

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/17/2025 1:18:21 PM
Project: Daniel CCR BAW-2A
Operator Name: Rick Hagendorfer

Location Name: Daniel CCR BAW-2A **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 57.2 ft** **Total Depth: 67.2 ft** **Initial Depth to Water: 33.79 ft**	**Pump Type: BP** **Tubing Type: Pe** **Pump Intake From TOC: 62.2 ft** **Estimated Total Volume Pumped: 14000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1205621**

Test Notes:

Weather Conditions:
Sunny 67

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/17/2025 1:18 PM	00:00	5.20 pH	22.25 °C	66.31 µS/cm	8.31 mg/L		133.7 mV	33.79 ft	400.00 ml/min
3/17/2025 1:23 PM	05:00	4.90 pH	23.14 °C	74.71 µS/cm	1.96 mg/L	0.92 NTU	88.7 mV	33.79 ft	400.00 ml/min
3/17/2025 1:28 PM	10:00	4.88 pH	23.05 °C	74.37 µS/cm	1.78 mg/L	1.03 NTU	78.8 mV	33.79 ft	400.00 ml/min
3/17/2025 1:33 PM	15:00	4.88 pH	23.00 °C	73.33 µS/cm	1.98 mg/L	0.98 NTU	77.8 mV	33.79 ft	400.00 ml/min
3/17/2025 1:38 PM	20:00	4.88 pH	23.08 °C	72.55 µS/cm	2.14 mg/L	0.84 NTU	77.4 mV	33.79 ft	400.00 ml/min
3/17/2025 1:43 PM	25:00	4.90 pH	23.00 °C	71.20 µS/cm	2.24 mg/L	0.71 NTU	76.5 mV	33.79 ft	400.00 ml/min
3/17/2025 1:48 PM	30:00	4.91 pH	22.95 °C	70.01 µS/cm	2.29 mg/L	0.57 NTU	75.7 mV	33.79 ft	400.00 ml/min
3/17/2025 1:53 PM	35:00	4.91 pH	22.97 °C	68.63 µS/cm	2.32 mg/L	0.57 NTU	74.9 mV	33.79 ft	400.00 ml/min

Samples

Sample ID:	Description:
BAW-2A	Sample time 1355
Dup-01	Fake sample time 1255

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/18/2025 9:38:26 AM
Project: Daniel CCR BAW-3
Operator Name: Rick Hagendorfer

Location Name: Daniel CCR BAW-3 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 58.4 ft** **Total Depth: 68.4 ft** **Initial Depth to Water: 33.08 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 63.4 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1205621**

Test Notes:

Weather Conditions:
Sunny 61

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/18/2025 9:38 AM	00:00	4.72 pH	24.29 °C	47.73 µS/cm	5.59 mg/L		160.1 mV	33.08 ft	400.00 ml/min
3/18/2025 9:43 AM	05:00	4.66 pH	23.17 °C	49.43 µS/cm	0.74 mg/L	1.87 NTU	168.2 mV	33.14 ft	400.00 ml/min
3/18/2025 9:48 AM	10:00	4.65 pH	22.94 °C	49.09 µS/cm	0.62 mg/L	3.65 NTU	93.5 mV	33.14 ft	400.00 ml/min
3/18/2025 9:53 AM	15:00	4.66 pH	22.90 °C	48.73 µS/cm	0.59 mg/L	2.53 NTU	79.7 mV	33.14 ft	400.00 ml/min
3/18/2025 9:58 AM	20:00	4.66 pH	22.90 °C	48.28 µS/cm	0.58 mg/L	1.91 NTU	72.5 mV	33.14 ft	400.00 ml/min
3/18/2025 10:03 AM	25:00	4.66 pH	22.83 °C	47.71 µS/cm	0.57 mg/L	1.50 NTU	68.2 mV	33.14 ft	400.00 ml/min
3/18/2025 10:08 AM	30:00	4.66 pH	22.75 °C	46.85 µS/cm	0.57 mg/L	1.41 NTU	65.7 mV	33.14 ft	400.00 ml/min

Samples

Sample ID:	Description:
BAW-3	Sample time 1011
FB-01	Sample time 0847
EB-01	Sample time 0901

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/17/2025 3:34:04 PM
Project: Daniel CCR BAW-4
Operator Name: Rick Hagendorfer

Location Name: Daniel CCR BAW-4 **Well Diameter: 2 in** **Casing Type: 2** **Screen Length: 10 ft** **Top of Screen: 59.9 ft** **Total Depth: 69.9 ft** **Initial Depth to Water: 30.62 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 64.9 ft** **Estimated Total Volume Pumped: 24000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1205621**

Test Notes:

Weather Conditions:
Sunny 71

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/17/2025 3:34 PM	00:00	5.39 pH	22.44 °C	72.42 µS/cm	8.85 mg/L		116.9 mV	30.62 ft	400.00 ml/min
3/17/2025 3:39 PM	05:00	6.18 pH	23.25 °C	95.08 µS/cm	0.52 mg/L	40.80 NTU	6.2 mV	30.65 ft	400.00 ml/min
3/17/2025 3:44 PM	10:00	6.11 pH	23.37 °C	88.22 µS/cm	0.29 mg/L	79.80 NTU	-1.6 mV	30.65 ft	400.00 ml/min
3/17/2025 3:49 PM	15:00	6.09 pH	23.31 °C	85.04 µS/cm	0.25 mg/L	30.30 NTU	-6.7 mV	30.65 ft	400.00 ml/min
3/17/2025 3:54 PM	20:00	6.05 pH	23.33 °C	81.97 µS/cm	0.24 mg/L	8.63 NTU	-11.0 mV	30.65 ft	400.00 ml/min
3/17/2025 3:59 PM	25:00	5.99 pH	23.36 °C	77.79 µS/cm	0.24 mg/L	10.80 NTU	-14.5 mV	30.65 ft	400.00 ml/min
3/17/2025 4:04 PM	30:00	5.95 pH	23.37 °C	75.31 µS/cm	0.23 mg/L	8.50 NTU	-16.8 mV	30.65 ft	400.00 ml/min
3/17/2025 4:09 PM	35:00	5.91 pH	23.27 °C	72.19 µS/cm	0.23 mg/L	4.31 NTU	-17.0 mV	30.65 ft	400.00 ml/min
3/17/2025 4:14 PM	40:00	5.88 pH	23.30 °C	70.24 µS/cm	0.24 mg/L	4.20 NTU	-17.3 mV	30.65 ft	400.00 ml/min
3/17/2025 4:19 PM	45:00	5.85 pH	23.26 °C	68.39 µS/cm	0.23 mg/L	3.51 NTU	-17.4 mV	30.65 ft	400.00 ml/min
3/17/2025 4:24 PM	50:00	5.83 pH	23.28 °C	67.05 µS/cm	0.24 mg/L	2.29 NTU	-17.7 mV	30.65 ft	400.00 ml/min
3/17/2025 4:29 PM	55:00	5.79 pH	23.24 °C	65.37 µS/cm	0.24 mg/L	2.14 NTU	-17.5 mV	30.65 ft	400.00 ml/min
3/17/2025 4:34 PM	01:00:00	5.77 pH	23.28 °C	64.27 µS/cm	0.24 mg/L	1.97 NTU	-18.4 mV	30.65 ft	400.00 ml/min

Samples

Sample ID:	Description:
BAW-4	Sample time 1638

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/18/2025 10:55:41 AM
Project: Daniel CCR BAW-5
Operator Name: Rick Hagendorfer

Location Name: Daniel CCR BAW-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 59.1 ft** **Total Depth: 69.1 ft** **Initial Depth to Water: 34.11 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 64.1 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1205621**

Test Notes:

Weather Conditions:
Sunny 68

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/18/2025 10:55 AM	00:00	6.86 pH	23.52 °C	317.67 µS/cm	7.69 mg/L		86.6 mV	34.11 ft	400.00 ml/min
3/18/2025 11:00 AM	05:00	6.19 pH	22.93 °C	289.86 µS/cm	0.96 mg/L	0.60 NTU	-36.0 mV	34.17 ft	400.00 ml/min
3/18/2025 11:05 AM	10:00	6.20 pH	23.23 °C	298.93 µS/cm	0.54 mg/L	0.37 NTU	-30.3 mV	34.17 ft	400.00 ml/min
3/18/2025 11:10 AM	15:00	6.21 pH	23.24 °C	308.23 µS/cm	0.34 mg/L	0.47 NTU	-34.6 mV	34.17 ft	400.00 ml/min
3/18/2025 11:15 AM	20:00	6.22 pH	23.24 °C	314.26 µS/cm	0.28 mg/L	0.37 NTU	-36.5 mV	34.17 ft	400.00 ml/min
3/18/2025 11:20 AM	25:00	6.22 pH	23.33 °C	317.64 µS/cm	0.26 mg/L	0.36 NTU	-37.3 mV	34.17 ft	400.00 ml/min
3/18/2025 11:25 AM	30:00	6.22 pH	23.36 °C	319.03 µS/cm	0.25 mg/L	0.41 NTU	-37.6 mV	34.17 ft	400.00 ml/min

Samples

Sample ID:	Description:
BAW-5	Sample time 1129

Low-Flow Test Report:

Test Date / Time: 3/18/2025 12:34:28 PM
Project: Daniel CCR BAW-7
Operator Name: Rick Hagendorfer

Location Name: Daniel CCR BAW-7 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 53.8 ft** **Total Depth: 63.8 ft** **Initial Depth to Water: 28.12 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 58.8 ft** **Estimated Total Volume Pumped: 120000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1205621**

Test Notes:

Weather Conditions:
Sunny 71

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/18/2025 12:34 PM	00:00	5.10 pH	23.87 °C	44.09 µS/cm	6.51 mg/L		92.2 mV	28.12 ft	400.00 ml/min
3/18/2025 12:39 PM	05:00	5.06 pH	23.11 °C	41.27 µS/cm	5.24 mg/L	39.10 NTU	71.4 mV	28.18 ft	400.00 ml/min
3/18/2025 12:44 PM	10:00	5.04 pH	23.06 °C	39.53 µS/cm	5.04 mg/L	58.30 NTU	66.3 mV	28.18 ft	400.00 ml/min
3/18/2025 12:49 PM	15:00	5.05 pH	23.01 °C	37.53 µS/cm	5.05 mg/L	65.30 NTU	110.0 mV	28.18 ft	400.00 ml/min
3/18/2025 12:54 PM	20:00	5.06 pH	22.98 °C	35.47 µS/cm	5.08 mg/L	67.60 NTU	63.3 mV	28.18 ft	400.00 ml/min
3/18/2025 12:59 PM	25:00	5.08 pH	23.00 °C	34.49 µS/cm	5.12 mg/L	61.50 NTU	64.1 mV	28.18 ft	400.00 ml/min
3/18/2025 1:04 PM	30:00	5.04 pH	23.01 °C	32.44 µS/cm	5.08 mg/L	53.90 NTU	67.9 mV	28.18 ft	400.00 ml/min
3/18/2025 1:09 PM	35:00	5.03 pH	22.95 °C	33.05 µS/cm	5.16 mg/L	48.80 NTU	65.9 mV	28.18 ft	400.00 ml/min
3/18/2025 1:14 PM	40:00	5.04 pH	22.97 °C	31.90 µS/cm	5.14 mg/L	42.60 NTU	65.0 mV	28.18 ft	400.00 ml/min
3/18/2025 1:19 PM	45:00	5.04 pH	22.99 °C	30.34 µS/cm	5.21 mg/L	38.40 NTU	65.7 mV	28.18 ft	400.00 ml/min
3/18/2025 1:24 PM	50:00	5.01 pH	22.92 °C	34.91 µS/cm	5.16 mg/L	31.10 NTU	66.9 mV	28.18 ft	400.00 ml/min
3/18/2025 1:29 PM	55:00	5.01 pH	22.98 °C	31.60 µS/cm	5.15 mg/L	27.90 NTU	68.5 mV	28.18 ft	400.00 ml/min
3/18/2025 1:34 PM	01:00:00	5.03 pH	23.01 °C	32.86 µS/cm	5.47 mg/L	24.10 NTU	112.8 mV	28.18 ft	400.00 ml/min

3/18/2025 1:39 PM	01:05:00	5.02 pH	23.04 °C	34.17 µS/cm	5.18 mg/L	22.50 NTU	66.9 mV	28.18 ft	400.00 ml/min
3/18/2025 1:44 PM	01:10:00	5.01 pH	22.97 °C	33.58 µS/cm	5.19 mg/L	20.60 NTU	69.5 mV	28.18 ft	400.00 ml/min
3/18/2025 1:49 PM	01:15:00	5.01 pH	23.01 °C	31.65 µS/cm	5.18 mg/L	19.60 NTU	69.4 mV	28.18 ft	400.00 ml/min
3/18/2025 1:54 PM	01:20:00	5.02 pH	22.97 °C	32.29 µS/cm	5.25 mg/L	17.90 NTU	68.1 mV	28.18 ft	400.00 ml/min
3/18/2025 1:59 PM	01:25:00	5.02 pH	23.01 °C	33.95 µS/cm	5.21 mg/L	17.00 NTU	67.1 mV	28.18 ft	400.00 ml/min
3/18/2025 2:04 PM	01:30:00	5.02 pH	23.01 °C	33.21 µS/cm	5.25 mg/L	15.40 NTU	68.1 mV	28.18 ft	400.00 ml/min
3/18/2025 2:09 PM	01:35:00	5.01 pH	22.98 °C	35.61 µS/cm	5.21 mg/L	14.40 NTU	117.1 mV	28.18 ft	400.00 ml/min
3/18/2025 2:14 PM	01:40:00	5.02 pH	23.01 °C	33.96 µS/cm	5.20 mg/L	13.20 NTU	68.7 mV	28.18 ft	400.00 ml/min
3/18/2025 2:19 PM	01:45:00	5.03 pH	22.98 °C	32.28 µS/cm	5.20 mg/L	12.20 NTU	67.6 mV	28.18 ft	400.00 ml/min
3/18/2025 2:24 PM	01:50:00	5.56 pH	22.94 °C	34.27 µS/cm	5.24 mg/L	12.60 NTU	54.3 mV	28.18 ft	400.00 ml/min
3/18/2025 2:29 PM	01:55:00	5.59 pH	22.96 °C	33.75 µS/cm	5.23 mg/L	12.10 NTU	56.1 mV	28.18 ft	400.00 ml/min
3/18/2025 2:34 PM	02:00:00	5.02 pH	22.90 °C	42.77 µS/cm	5.40 mg/L	11.60 NTU	119.2 mV	28.18 ft	400.00 ml/min
3/18/2025 2:39 PM	02:05:00	5.01 pH	22.89 °C	39.61 µS/cm	5.31 mg/L	11.20 NTU	64.9 mV	28.18 ft	400.00 ml/min
3/18/2025 2:44 PM	02:10:00	5.01 pH	22.96 °C	36.95 µS/cm	5.28 mg/L	10.90 NTU	64.2 mV	28.18 ft	400.00 ml/min
3/18/2025 2:49 PM	02:15:00	5.02 pH	22.97 °C	34.61 µS/cm	5.26 mg/L	10.70 NTU	64.3 mV	28.18 ft	400.00 ml/min
3/18/2025 2:54 PM	02:20:00	5.01 pH	23.06 °C	31.38 µS/cm	5.25 mg/L	10.30 NTU	67.1 mV	28.18 ft	400.00 ml/min
3/18/2025 2:59 PM	02:25:00	5.02 pH	23.08 °C	28.79 µS/cm	5.22 mg/L	9.89 NTU	66.0 mV	28.18 ft	400.00 ml/min
3/18/2025 3:04 PM	02:30:00	5.01 pH	23.29 °C	31.75 µS/cm	5.22 mg/L	9.48 NTU	68.6 mV	28.18 ft	400.00 ml/min
3/18/2025 3:09 PM	02:35:00	5.64 pH	23.23 °C	32.36 µS/cm	5.23 mg/L	9.02 NTU	50.0 mV	28.18 ft	400.00 ml/min
3/18/2025 3:14 PM	02:40:00	5.00 pH	23.20 °C	31.59 µS/cm	5.21 mg/L	8.92 NTU	67.6 mV	28.18 ft	400.00 ml/min
3/18/2025 3:19 PM	02:45:00	5.01 pH	23.28 °C	30.48 µS/cm	5.21 mg/L	8.49 NTU	69.2 mV	28.18 ft	400.00 ml/min
3/18/2025 3:24 PM	02:50:00	5.01 pH	23.28 °C	36.17 µS/cm	5.20 mg/L	8.37 NTU	68.1 mV	28.18 ft	400.00 ml/min
3/18/2025 3:29 PM	02:55:00	5.01 pH	23.31 °C	34.45 µS/cm	5.25 mg/L	7.98 NTU	118.5 mV	28.18 ft	400.00 ml/min
3/18/2025 3:34 PM	03:00:00	5.02 pH	23.28 °C	31.13 µS/cm	5.22 mg/L	7.53 NTU	69.3 mV	28.18 ft	400.00 ml/min
3/18/2025 3:39 PM	03:05:00	5.03 pH	23.28 °C	29.10 µS/cm	5.22 mg/L	7.99 NTU	67.9 mV	28.18 ft	400.00 ml/min
3/18/2025 3:44 PM	03:10:00	5.04 pH	23.28 °C	35.16 µS/cm	5.22 mg/L	7.69 NTU	67.3 mV	28.18 ft	400.00 ml/min
3/18/2025 3:49 PM	03:15:00	5.05 pH	23.25 °C	32.98 µS/cm	5.22 mg/L	7.35 NTU	68.2 mV	28.18 ft	400.00 ml/min
3/18/2025 3:54 PM	03:20:00	5.63 pH	23.15 °C	33.83 µS/cm	5.25 mg/L	7.49 NTU	54.6 mV	28.18 ft	400.00 ml/min
3/18/2025 3:59 PM	03:25:00	5.63 pH	23.15 °C	32.66 µS/cm	5.24 mg/L	7.47 NTU	55.4 mV	28.18 ft	400.00 ml/min

3/18/2025 4:04 PM	03:30:00	5.02 pH	23.05 °C	39.53 µS/cm	5.28 mg/L	7.02 NTU	68.6 mV	28.18 ft	400.00 ml/min
3/18/2025 4:09 PM	03:35:00	5.03 pH	23.00 °C	36.93 µS/cm	5.27 mg/L	7.05 NTU	116.9 mV	28.18 ft	400.00 ml/min
3/18/2025 4:14 PM	03:40:00	5.02 pH	22.97 °C	32.48 µS/cm	5.25 mg/L	7.23 NTU	67.9 mV	28.18 ft	400.00 ml/min
3/18/2025 4:19 PM	03:45:00	5.00 pH	22.98 °C	31.92 µS/cm	5.25 mg/L	6.88 NTU	68.4 mV	28.18 ft	400.00 ml/min
3/18/2025 4:24 PM	03:50:00	5.01 pH	22.99 °C	29.98 µS/cm	5.26 mg/L	7.16 NTU	68.9 mV	28.18 ft	400.00 ml/min
3/18/2025 4:29 PM	03:55:00	5.62 pH	23.02 °C	30.06 µS/cm	5.25 mg/L	6.88 NTU	52.4 mV	28.18 ft	400.00 ml/min
3/18/2025 4:34 PM	04:00:00	5.66 pH	22.97 °C	41.07 µS/cm	5.28 mg/L	6.71 NTU	92.6 mV	28.18 ft	400.00 ml/min
3/18/2025 4:39 PM	04:05:00	5.03 pH	22.88 °C	40.03 µS/cm	5.31 mg/L	6.78 NTU	71.1 mV	28.18 ft	400.00 ml/min
3/18/2025 4:44 PM	04:10:00	5.02 pH	22.61 °C	37.05 µS/cm	5.31 mg/L	6.27 NTU	117.6 mV	28.18 ft	400.00 ml/min
3/18/2025 4:49 PM	04:15:00	5.03 pH	22.53 °C	33.47 µS/cm	5.31 mg/L	6.15 NTU	67.3 mV	28.18 ft	400.00 ml/min
3/18/2025 4:54 PM	04:20:00	5.03 pH	22.49 °C	33.83 µS/cm	5.31 mg/L	5.92 NTU	67.8 mV	28.18 ft	400.00 ml/min
3/18/2025 4:59 PM	04:25:00	5.03 pH	22.44 °C	31.31 µS/cm	5.36 mg/L	6.08 NTU	67.9 mV	28.18 ft	400.00 ml/min
3/18/2025 5:04 PM	04:30:00	5.60 pH	22.44 °C	29.64 µS/cm	5.34 mg/L	6.17 NTU	94.6 mV	28.18 ft	400.00 ml/min
3/18/2025 5:09 PM	04:35:00	5.04 pH	22.52 °C	38.44 µS/cm	5.32 mg/L	5.96 NTU	67.6 mV	28.18 ft	400.00 ml/min
3/18/2025 5:14 PM	04:40:00	5.05 pH	22.61 °C	35.78 µS/cm	5.36 mg/L	5.92 NTU	65.9 mV	28.18 ft	400.00 ml/min
3/18/2025 5:19 PM	04:45:00	5.60 pH	22.61 °C	32.77 µS/cm	5.34 mg/L	5.94 NTU	55.7 mV	28.18 ft	400.00 ml/min
3/18/2025 5:24 PM	04:50:00	5.03 pH	22.60 °C	40.48 µS/cm	5.34 mg/L	5.91 NTU	119.8 mV	28.18 ft	400.00 ml/min
3/18/2025 5:29 PM	04:55:00	5.03 pH	22.61 °C	37.04 µS/cm	5.31 mg/L	5.97 NTU	67.0 mV	28.18 ft	400.00 ml/min
3/18/2025 5:34 PM	05:00:00	5.03 pH	22.59 °C	34.58 µS/cm	5.32 mg/L	5.94 NTU	66.8 mV	28.18 ft	400.00 ml/min

Samples

Sample ID:	Description:
BAW-7	Sample time 1737
Dup-02	Fake sample time 1637

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 4/11/2025 8:54:12 AM Revision 1

JOB DESCRIPTION

Plant Daniel Ash Pond B

JOB NUMBER

180-187983-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

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.

PA Lab ID: 02-00416

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 Pittsburgh Project Manager.

Authorization



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Revision 1

Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Definitions/Glossary 5
Certification Summary 6
Sample Summary 8
Method Summary 9
Lab Chronicle 10
Client Sample Results 15
QC Sample Results 22
QC Association Summary 31
Chain of Custody 35
Receipt Checklists 47

Job ID: 180-187983-1 — Eurofins Pittsburgh

Job Narrative
180-187983-1

041125 Revised report to add field pH data at client request. This report replaces the report previously issued on 033125

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/19/2025 9:30 AM and 3/21/2025 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 14 coolers at receipt time were 0.5°C, 0.8°C, 1.1°C, 1.3°C, 1.6°C, 1.8°C, 2.0°C, 2.3°C, 2.5°C, 2.8°C, 3.0°C, 3.2°C, 3.6°C and 3.7°C.

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

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

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

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Laboratory: Eurofins Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00690	06-28-25
California	State	2891	04-30-24 *
Connecticut	State	PH-0820	09-30-24 *
Florida	NELAP	E871008	06-30-25
Georgia	State	PA 02-00416	04-30-25
Illinois	NELAP	200005	07-31-25
Kansas	NELAP	E-10350	01-31-26
Kentucky (UST)	State	162013	04-30-25
Kentucky (WW)	State	KY98043	12-31-25
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-25
Maine	State	PA00164	03-06-26
Minnesota	NELAP	042-999-482	12-31-24 *
New Hampshire	NELAP	2030	04-04-25
New Jersey	NELAP	PA005	06-30-25
New York	NELAP	11182	04-01-25
North Carolina (WW/SW)	State	434	12-31-25
North Dakota	State	R-227	04-30-24 *
Oregon	NELAP	PA-2151	02-06-25 *
Pennsylvania	NELAP	02-00416	04-30-26
Rhode Island	State	LAO00375	01-01-25 *
South Carolina	State	89014	04-30-25
Texas	NELAP	T104704528	03-31-25
US Fish & Wildlife	US Federal Programs	A21930	04-30-25
USDA	US Federal Programs	P330-16-00211	04-11-26
Utah	NELAP	PA001462024-14	05-31-25
Virginia	NELAP	460189	07-14-24 *
West Virginia DEP	State	142	01-31-26
Wisconsin	State	998027800	08-31-25

Laboratory: Eurofins Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-25
ANAB	Dept. of Defense ELAP	L2463	09-22-26
Arkansas (DW)	State	GA00006	06-30-25
Arkansas DEQ	State	88-00692	02-09-26
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25
Georgia (DW)	State	803	06-30-25
Guam	State	24-05R	04-17-25
Hawaii	State	<cert No.>	06-30-25
Illinois	NELAP	200022	11-30-25
Iowa	State	353	07-01-25
Kentucky (UST)	State	108138	06-30-24 *
Louisiana (All)	NELAP	30690	06-30-25
Maine	State	GA00006	09-25-26
Maryland	State	250	12-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-187983-1
Project/Site: Plant Daniel Ash Pond B

Laboratory: Eurofins Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Mississippi	State	<cert No.>	06-30-25
Nebraska	State	NE-OS-7-04	06-30-25
New Mexico	State	GA00006	06-30-25
North Carolina (DW)	State	13701	07-31-25
North Carolina (WW/SW)	State	269	12-31-25
Puerto Rico	State	GA00006	01-15-26
South Carolina	State	98001	06-30-25
Tennessee	State	TN02961	06-30-25
Texas	TCEQ Water Supply	T104704185	06-30-25
USDA	US Federal Programs	P330-18-00313	04-04-27
Virginia	NELAP	460161	06-14-25
Wyoming	State	8TMS-L	06-30-25

Sample Summary

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-187983-1	BAW-1	Water	03/17/25 12:34	03/19/25 09:30
180-187983-2	BAW-2A	Water	03/17/25 13:55	03/19/25 09:30
180-187983-3	BAW-3	Water	03/18/25 10:11	03/19/25 09:30
180-187983-4	BAW-4	Water	03/17/25 16:38	03/19/25 09:30
180-187983-5	BAW-5	Water	03/18/25 11:29	03/19/25 09:30
180-187983-6	FB-01	Water	03/18/25 08:47	03/19/25 09:30
180-187983-7	EB-01	Water	03/18/25 09:01	03/19/25 09:30
180-187983-8	DUP-01	Water	03/17/25 12:55	03/19/25 09:30
180-188111-1	BAW-7	Water	03/18/25 17:37	03/21/25 09:15
180-188111-2	DUP-02	Water	03/18/25 16:37	03/21/25 09:15

Method Summary

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Method	Method Description	Protocol	Laboratory
EPA 9056A	Anions, Ion Chromatography	SW846	EET PIT
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
Field Sampling	Field Sampling	EPA	EET PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Client Sample ID: BAW-1
Date Collected: 03/17/25 12:34
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492231	03/21/25 05:26	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879517	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879676	03/24/25 15:23	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	879583	03/24/25 11:28	MG	EET SAV
Total/NA	Analysis	7470A		1			879628	03/24/25 16:57	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492251	03/20/25 11:36	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			493578	03/17/25 13:34	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: BAW-2A
Date Collected: 03/17/25 13:55
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492231	03/21/25 03:01	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879517	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879676	03/24/25 15:25	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	879582	03/24/25 11:25	MG	EET SAV
Total/NA	Analysis	7470A		1			879628	03/24/25 18:51	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492254	03/20/25 11:47	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			493578	03/17/25 14:55	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: BAW-3
Date Collected: 03/18/25 10:11
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492231	03/21/25 03:13	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879517	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879676	03/24/25 15:27	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	879582	03/24/25 11:25	MG	EET SAV
Total/NA	Analysis	7470A		1			879628	03/24/25 18:48	BJB	EET SAV
	Instrument ID: QuickTrace3									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Client Sample ID: BAW-3
Date Collected: 03/18/25 10:11
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492255	03/20/25 11:54	EBA	EET PIT
Total/NA	Analysis	Field Sampling		1			493578	03/18/25 11:11	FDS	EET PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: BAW-4
Date Collected: 03/17/25 16:38
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492232	03/21/25 00:21	M1D	EET PIT
	Instrument ID:	INTEGRION								
Total Recoverable	Prep	3005A			25 mL	125 mL	879517	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879676	03/24/25 15:29	BWR	EET SAV
	Instrument ID:	ICPMSG								
Total/NA	Prep	7470A			50 mL	50 mL	879582	03/24/25 11:25	MG	EET SAV
Total/NA	Analysis	7470A		1			879628	03/24/25 18:46	BJB	EET SAV
	Instrument ID:	QuickTrace3								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492251	03/20/25 11:36	EBA	EET PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	Field Sampling		1			493578	03/17/25 17:38	FDS	EET PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: BAW-5
Date Collected: 03/18/25 11:29
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492773	03/28/25 23:51	SJM	EET PIT
	Instrument ID:	INUVION								
Total Recoverable	Prep	3005A			25 mL	125 mL	879517	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879676	03/24/25 15:31	BWR	EET SAV
	Instrument ID:	ICPMSG								
Total/NA	Prep	7470A			50 mL	50 mL	879582	03/24/25 11:25	MG	EET SAV
Total/NA	Analysis	7470A		1			879628	03/24/25 18:58	BJB	EET SAV
	Instrument ID:	QuickTrace3								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492251	03/20/25 11:36	EBA	EET PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	Field Sampling		1			493578	03/18/25 12:29	FDS	EET PIT
	Instrument ID:	NOEQUIP								

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Client Sample ID: FB-01

Lab Sample ID: 180-187983-6
Date Collected: 03/18/25 08:47
Matrix: Water
Date Received: 03/19/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492705	03/28/25 06:00	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:40	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 12:59	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	879583	03/24/25 11:28	MG	EET SAV
Total/NA	Analysis	7470A		1			879628	03/24/25 17:04	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492255	03/20/25 11:54	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-01

Lab Sample ID: 180-187983-7
Date Collected: 03/18/25 09:01
Matrix: Water
Date Received: 03/19/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492773	03/29/25 00:03	SJM	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:40	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 13:05	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	879582	03/24/25 11:25	MG	EET SAV
Total/NA	Analysis	7470A		1			879628	03/24/25 18:55	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492255	03/20/25 11:54	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01

Lab Sample ID: 180-187983-8
Date Collected: 03/17/25 12:55
Matrix: Water
Date Received: 03/19/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492231	03/21/25 03:24	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:40	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 13:07	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	879582	03/24/25 11:25	MG	EET SAV
Total/NA	Analysis	7470A		1			879628	03/24/25 18:53	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492254	03/20/25 11:47	EBA	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Client Sample ID: BAW-7

Date Collected: 03/18/25 17:37
Date Received: 03/21/25 09:15

Lab Sample ID: 180-188111-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492849	03/29/25 12:16	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879741	03/26/25 05:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879926	03/27/25 15:23	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	879778	03/26/25 10:42	MG	EET SAV
Total/NA	Analysis	7470A		1			879876	03/26/25 15:50	BCB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492441	03/24/25 13:17	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			493587	03/18/25 18:37	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02

Date Collected: 03/18/25 16:37
Date Received: 03/21/25 09:15

Lab Sample ID: 180-188111-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492849	03/29/25 12:28	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879741	03/26/25 05:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879926	03/27/25 15:16	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	879778	03/26/25 10:42	MG	EET SAV
Total/NA	Analysis	7470A		1			879876	03/26/25 15:52	BCB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492441	03/24/25 13:17	EBA	EET PIT
	Instrument ID: NOEQUIP									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058
EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

Analyst References:

Lab: EET PIT

Batch Type: Analysis

EBA = Elizabeth Arbster
FDS = Sampler Field
M1D = Maureen Donlin
SJM = Shannon Mueller

Lab: EET SAV

Batch Type: Prep

MG = Michael Griffin
RR = Robert Rancourt

Batch Type: Analysis

BCB = Brian Bland
BJB = Brian Boyuk
BWR = Bryn Robertson

Client Sample ID: BAW-1

Date Collected: 03/17/25 12:34
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-1

Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.32**		1.00	0.713	mg/L			03/21/25 05:26	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/21/25 05:26	1
Sulfate	**1.52**		1.00	0.756	mg/L			03/21/25 05:26	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:47	03/24/25 15:23	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/24/25 05:47	03/24/25 15:23	1
Barium	**0.0362**		0.0100	0.000890	mg/L		03/24/25 05:47	03/24/25 15:23	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/24/25 05:47	03/24/25 15:23	1
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 15:23	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:47	03/24/25 15:23	1
Calcium	**1.34**		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 15:23	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:47	03/24/25 15:23	1
Cobalt	**0.00124**		0.000500	0.000220	mg/L		03/24/25 05:47	03/24/25 15:23	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:47	03/24/25 15:23	1
Lithium	**0.00316**	**J B**	0.00500	0.00200	mg/L		03/24/25 05:47	03/24/25 15:23	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/24/25 05:47	03/24/25 15:23	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/24/25 05:47	03/24/25 15:23	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:47	03/24/25 15:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:28	03/24/25 16:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			03/20/25 11:36	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.04**				SU			03/17/25 13:34	1

Client Sample ID: BAW-2A

Date Collected: 03/17/25 13:55
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-2

Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.2**		1.00	0.713	mg/L			03/21/25 03:01	1
Fluoride	**0.0448**	**J**	0.100	0.0260	mg/L			03/21/25 03:01	1
Sulfate	**5.98**		1.00	0.756	mg/L			03/21/25 03:01	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:47	03/24/25 15:25	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/24/25 05:47	03/24/25 15:25	1
Barium	**0.0388**		0.0100	0.000890	mg/L		03/24/25 05:47	03/24/25 15:25	1
Beryllium	**0.000265**	**J**	0.00100	0.000200	mg/L		03/24/25 05:47	03/24/25 15:25	1
Boron	**0.0608**	**J**	0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 15:25	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:47	03/24/25 15:25	1

Client Sample ID: BAW-2A

Lab Sample ID: 180-187983-2

Date Collected: 03/17/25 13:55

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**0.795**		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 15:25	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:47	03/24/25 15:25	1
Cobalt	**0.00103**		0.000500	0.000220	mg/L		03/24/25 05:47	03/24/25 15:25	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:47	03/24/25 15:25	1
Lithium	<0.00200		0.00500	0.00200	mg/L		03/24/25 05:47	03/24/25 15:25	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/24/25 05:47	03/24/25 15:25	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/24/25 05:47	03/24/25 15:25	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:47	03/24/25 15:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:25	03/24/25 18:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			03/20/25 11:47	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.91**				SU			03/17/25 14:55	1

Client Sample ID: BAW-3

Lab Sample ID: 180-187983-3

Date Collected: 03/18/25 10:11

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.19**		1.00	0.713	mg/L			03/21/25 03:13	1
Fluoride	**0.0294**	**J**	0.100	0.0260	mg/L			03/21/25 03:13	1
Sulfate	**6.81**		1.00	0.756	mg/L			03/21/25 03:13	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:47	03/24/25 15:27	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/24/25 05:47	03/24/25 15:27	1
Barium	**0.0408**		0.0100	0.000890	mg/L		03/24/25 05:47	03/24/25 15:27	1
Beryllium	**0.000260**	**J**	0.00100	0.000200	mg/L		03/24/25 05:47	03/24/25 15:27	1
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 15:27	1
Cadmium	**0.000430**	**J**	0.00100	0.0000780	mg/L		03/24/25 05:47	03/24/25 15:27	1
Calcium	**0.799**		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 15:27	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:47	03/24/25 15:27	1
Cobalt	**0.0102**		0.000500	0.000220	mg/L		03/24/25 05:47	03/24/25 15:27	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:47	03/24/25 15:27	1
Lithium	**0.00538**	**B**	0.00500	0.00200	mg/L		03/24/25 05:47	03/24/25 15:27	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/24/25 05:47	03/24/25 15:27	1
Selenium	**0.00101**	**J**	0.00500	0.000990	mg/L		03/24/25 05:47	03/24/25 15:27	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:47	03/24/25 15:27	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:25	03/24/25 18:48	1

Client Sample ID: BAW-3
Date Collected: 03/18/25 10:11
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-3
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	14.0		10.0	10.0	mg/L			03/20/25 11:54	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.66				SU			03/18/25 11:11	1

Client Sample ID: BAW-4
Date Collected: 03/17/25 16:38
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-4
Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.80		1.00	0.713	mg/L			03/21/25 00:21	1
Fluoride	0.0657	J	0.100	0.0260	mg/L			03/21/25 00:21	1
Sulfate	7.47		1.00	0.756	mg/L			03/21/25 00:21	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:47	03/24/25 15:29	1
Arsenic	0.00132		0.00100	0.000860	mg/L		03/24/25 05:47	03/24/25 15:29	1
Barium	0.0152		0.0100	0.000890	mg/L		03/24/25 05:47	03/24/25 15:29	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/24/25 05:47	03/24/25 15:29	1
Boron	0.0398	J	0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 15:29	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:47	03/24/25 15:29	1
Calcium	6.06		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 15:29	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:47	03/24/25 15:29	1
Cobalt	0.000865		0.000500	0.000220	mg/L		03/24/25 05:47	03/24/25 15:29	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:47	03/24/25 15:29	1
Lithium	0.0113	B	0.00500	0.00200	mg/L		03/24/25 05:47	03/24/25 15:29	1
Molybdenum	0.00111	J	0.00500	0.000860	mg/L		03/24/25 05:47	03/24/25 15:29	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/24/25 05:47	03/24/25 15:29	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:47	03/24/25 15:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:25	03/24/25 18:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	37.0		10.0	10.0	mg/L			03/20/25 11:36	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.77				SU			03/17/25 17:38	1

Client Sample ID: BAW-5
Date Collected: 03/18/25 11:29
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-5
Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.76		1.00	0.713	mg/L			03/28/25 23:51	1

Client Sample ID: BAW-5

Date Collected: 03/18/25 11:29
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-5

Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.145**		0.100	0.0260	mg/L			03/28/25 23:51	1
Sulfate	**42.7**		1.00	0.756	mg/L			03/28/25 23:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:47	03/24/25 15:31	1
Arsenic	**0.00445**		0.00100	0.000860	mg/L		03/24/25 05:47	03/24/25 15:31	1
Barium	**0.108**		0.0100	0.000890	mg/L		03/24/25 05:47	03/24/25 15:31	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/24/25 05:47	03/24/25 15:31	1
Boron	**0.772**		0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 15:31	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:47	03/24/25 15:31	1
Calcium	**34.5**		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 15:31	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:47	03/24/25 15:31	1
Cobalt	**0.00147**		0.000500	0.000220	mg/L		03/24/25 05:47	03/24/25 15:31	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:47	03/24/25 15:31	1
Lithium	**0.0874**	**B**	0.00500	0.00200	mg/L		03/24/25 05:47	03/24/25 15:31	1
Molybdenum	**0.00384**	**J**	0.00500	0.000860	mg/L		03/24/25 05:47	03/24/25 15:31	1
Selenium	**0.00176**	**J**	0.00500	0.000990	mg/L		03/24/25 05:47	03/24/25 15:31	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:47	03/24/25 15:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:25	03/24/25 18:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**168**		10.0	10.0	mg/L			03/20/25 11:36	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.22**				SU			03/18/25 12:29	1

Client Sample ID: FB-01

Date Collected: 03/18/25 08:47
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-6

Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/28/25 06:00	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/28/25 06:00	1
Sulfate	<0.756		1.00	0.756	mg/L			03/28/25 06:00	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:40	03/24/25 12:59	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/24/25 05:40	03/24/25 12:59	1
Barium	<0.000890		0.0100	0.000890	mg/L		03/24/25 05:40	03/24/25 12:59	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/24/25 05:40	03/24/25 12:59	1
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:40	03/24/25 12:59	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:40	03/24/25 12:59	1
Calcium	<0.140		0.500	0.140	mg/L		03/24/25 05:40	03/24/25 12:59	1

Client Sample ID: FB-01

Lab Sample ID: 180-187983-6

Date Collected: 03/18/25 08:47

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:40	03/24/25 12:59	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		03/24/25 05:40	03/24/25 12:59	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:40	03/24/25 12:59	1
Lithium	<0.00200		0.00500	0.00200	mg/L		03/24/25 05:40	03/24/25 12:59	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/24/25 05:40	03/24/25 12:59	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/24/25 05:40	03/24/25 12:59	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:40	03/24/25 12:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:28	03/24/25 17:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			03/20/25 11:54	1

Client Sample ID: EB-01

Lab Sample ID: 180-187983-7

Date Collected: 03/18/25 09:01

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**0.713**	**J**	1.00	0.713	mg/L			03/29/25 00:03	1
Fluoride	**0.0692**	**J**	0.100	0.0260	mg/L			03/29/25 00:03	1
Sulfate	<0.756		1.00	0.756	mg/L			03/29/25 00:03	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:40	03/24/25 13:05	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/24/25 05:40	03/24/25 13:05	1
Barium	<0.000890		0.0100	0.000890	mg/L		03/24/25 05:40	03/24/25 13:05	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/24/25 05:40	03/24/25 13:05	1
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:40	03/24/25 13:05	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:40	03/24/25 13:05	1
Calcium	<0.140		0.500	0.140	mg/L		03/24/25 05:40	03/24/25 13:05	1
Chromium	**0.00789**		0.00200	0.00120	mg/L		03/24/25 05:40	03/24/25 13:05	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		03/24/25 05:40	03/24/25 13:05	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:40	03/24/25 13:05	1
Lithium	<0.00200		0.00500	0.00200	mg/L		03/24/25 05:40	03/24/25 13:05	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/24/25 05:40	03/24/25 13:05	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/24/25 05:40	03/24/25 13:05	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:40	03/24/25 13:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:25	03/24/25 18:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			03/20/25 11:54	1

Client Sample ID: DUP-01

Lab Sample ID: 180-187983-8

Date Collected: 03/17/25 12:55

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.4**		1.00	0.713	mg/L			03/21/25 03:24	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/21/25 03:24	1
Sulfate	**6.05**		1.00	0.756	mg/L			03/21/25 03:24	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:40	03/24/25 13:07	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/24/25 05:40	03/24/25 13:07	1
Barium	**0.0417**		0.0100	0.000890	mg/L		03/24/25 05:40	03/24/25 13:07	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/24/25 05:40	03/24/25 13:07	1
Boron	**0.0687**	**J**	0.0800	0.0220	mg/L		03/24/25 05:40	03/24/25 13:07	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:40	03/24/25 13:07	1
Calcium	**0.837**		0.500	0.140	mg/L		03/24/25 05:40	03/24/25 13:07	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:40	03/24/25 13:07	1
Cobalt	**0.00108**		0.000500	0.000220	mg/L		03/24/25 05:40	03/24/25 13:07	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:40	03/24/25 13:07	1
Lithium	**0.00325**	**J**	0.00500	0.00200	mg/L		03/24/25 05:40	03/24/25 13:07	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/24/25 05:40	03/24/25 13:07	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/24/25 05:40	03/24/25 13:07	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:40	03/24/25 13:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:25	03/24/25 18:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			03/20/25 11:47	1

Client Sample ID: BAW-7

Lab Sample ID: 180-188111-1

Date Collected: 03/18/25 17:37

Matrix: Water

Date Received: 03/21/25 09:15

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.02**		1.00	0.713	mg/L			03/29/25 12:16	1
Fluoride	**0.0432**	**J**	0.100	0.0260	mg/L			03/29/25 12:16	1
Sulfate	**0.941**	**J**	1.00	0.756	mg/L			03/29/25 12:16	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/26/25 05:27	03/27/25 15:23	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/26/25 05:27	03/27/25 15:23	1
Barium	**0.0225**		0.0100	0.000890	mg/L		03/26/25 05:27	03/27/25 15:23	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/26/25 05:27	03/27/25 15:23	1
Boron	**0.0270**	**J**	0.0800	0.0220	mg/L		03/26/25 05:27	03/27/25 15:23	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/26/25 05:27	03/27/25 15:23	1
Calcium	**0.940**		0.500	0.140	mg/L		03/26/25 05:27	03/27/25 15:23	1
Chromium	**0.00762**		0.00200	0.00120	mg/L		03/26/25 05:27	03/27/25 15:23	1
Cobalt	**0.00176**		0.000500	0.000220	mg/L		03/26/25 05:27	03/27/25 15:23	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/26/25 05:27	03/27/25 15:23	1

Client Sample ID: BAW-7

Lab Sample ID: 180-188111-1
Date Collected: 03/18/25 17:37
Matrix: Water
Date Received: 03/21/25 09:15

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.00640**		0.00500	0.00200	mg/L		03/26/25 05:27	03/27/25 15:23	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/26/25 05:27	03/27/25 15:23	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/26/25 05:27	03/27/25 15:23	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/26/25 05:27	03/27/25 15:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/26/25 10:42	03/26/25 15:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**26.0**		10.0	10.0	mg/L			03/24/25 13:17	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.03**				SU			03/18/25 18:37	1

Client Sample ID: DUP-02

Lab Sample ID: 180-188111-2
Date Collected: 03/18/25 16:37
Matrix: Water
Date Received: 03/21/25 09:15

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.17**		1.00	0.713	mg/L			03/29/25 12:28	1
Fluoride	**0.0754**	**J**	0.100	0.0260	mg/L			03/29/25 12:28	1
Sulfate	**1.20**		1.00	0.756	mg/L			03/29/25 12:28	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/26/25 05:27	03/27/25 15:16	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/26/25 05:27	03/27/25 15:16	1
Barium	**0.0229**		0.0100	0.000890	mg/L		03/26/25 05:27	03/27/25 15:16	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/26/25 05:27	03/27/25 15:16	1
Boron	**0.0253**	**J**	0.0800	0.0220	mg/L		03/26/25 05:27	03/27/25 15:16	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/26/25 05:27	03/27/25 15:16	1
Calcium	**0.960**		0.500	0.140	mg/L		03/26/25 05:27	03/27/25 15:16	1
Chromium	**1.62**		0.00200	0.00120	mg/L		03/26/25 05:27	03/27/25 15:16	1
Cobalt	**0.00599**		0.000500	0.000220	mg/L		03/26/25 05:27	03/27/25 15:16	1
Lead	**0.000445**	**J**	0.00100	0.000210	mg/L		03/26/25 05:27	03/27/25 15:16	1
Lithium	**0.00387**	**J**	0.00500	0.00200	mg/L		03/26/25 05:27	03/27/25 15:16	1
Molybdenum	**0.0110**		0.00500	0.000860	mg/L		03/26/25 05:27	03/27/25 15:16	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/26/25 05:27	03/27/25 15:16	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/26/25 05:27	03/27/25 15:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/26/25 10:42	03/26/25 15:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**34.0**		10.0	10.0	mg/L			03/24/25 13:17	1

Method: EPA 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 180-492231/42
Matrix: Water
Analysis Batch: 492231

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/20/25 21:47	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/20/25 21:47	1
Sulfate	<0.756		1.00	0.756	mg/L			03/20/25 21:47	1

Lab Sample ID: MB 180-492231/77
Matrix: Water
Analysis Batch: 492231

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/21/25 04:58	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/21/25 04:58	1
Sulfate	<0.756		1.00	0.756	mg/L			03/21/25 04:58	1

Lab Sample ID: LCS 180-492231/43
Matrix: Water
Analysis Batch: 492231

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	53.88		mg/L		108	80 - 120		
Fluoride			2.50	2.408		mg/L		96	80 - 120		
Sulfate			50.0	47.44		mg/L		95	80 - 120		

Lab Sample ID: LCS 180-492231/78
Matrix: Water
Analysis Batch: 492231

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	54.87		mg/L		110	80 - 120		
Fluoride			2.50	2.448		mg/L		98	80 - 120		
Sulfate			50.0	48.62		mg/L		97	80 - 120		

Lab Sample ID: 180-187983-1 MS
Matrix: Water
Analysis Batch: 492231

Client Sample ID: BAW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	6.32		50.0	59.96		mg/L		107	80 - 120		
Fluoride	<0.0260		2.50	2.443		mg/L		98	80 - 120		
Sulfate	1.52		50.0	51.41		mg/L		100	80 - 120		

Lab Sample ID: 180-187983-1 MSD
Matrix: Water
Analysis Batch: 492231

Client Sample ID: BAW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6.32		50.0	59.83		mg/L		107	80 - 120	0	15
Fluoride	<0.0260		2.50	2.445		mg/L		98	80 - 120	0	15
Sulfate	1.52		50.0	51.10		mg/L		99	80 - 120	1	15

Method: EPA 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 180-492232/6
Matrix: Water
Analysis Batch: 492232

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/20/25 11:10	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/20/25 11:10	1
Sulfate	<0.756		1.00	0.756	mg/L			03/20/25 11:10	1

Lab Sample ID: LCS 180-492232/7
Matrix: Water
Analysis Batch: 492232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	51.68		mg/L		103	80 - 120
Fluoride	2.50	2.661		mg/L		106	80 - 120
Sulfate	50.0	50.79		mg/L		102	80 - 120

Lab Sample ID: MB 180-492705/86
Matrix: Water
Analysis Batch: 492705

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/28/25 03:07	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/28/25 03:07	1
Sulfate	<0.756		1.00	0.756	mg/L			03/28/25 03:07	1

Lab Sample ID: LCS 180-492705/89
Matrix: Water
Analysis Batch: 492705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	54.17		mg/L		108	80 - 120
Fluoride	2.50	2.494		mg/L		100	80 - 120
Sulfate	50.0	49.35		mg/L		99	80 - 120

Lab Sample ID: MB 180-492773/46
Matrix: Water
Analysis Batch: 492773

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/28/25 17:53	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/28/25 17:53	1
Sulfate	<0.756		1.00	0.756	mg/L			03/28/25 17:53	1

Lab Sample ID: LCS 180-492773/47
Matrix: Water
Analysis Batch: 492773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	54.46		mg/L		109	80 - 120
Fluoride	2.50	2.511		mg/L		100	80 - 120
Sulfate	50.0	49.31		mg/L		99	80 - 120

Method: EPA 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 180-492849/6
Matrix: Water
Analysis Batch: 492849

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/29/25 09:04	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/29/25 09:04	1
Sulfate	<0.756		1.00	0.756	mg/L			03/29/25 09:04	1

Lab Sample ID: LCS 180-492849/7
Matrix: Water
Analysis Batch: 492849

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	53.93		mg/L		108	80 - 120
Fluoride	2.50	2.499		mg/L		100	80 - 120
Sulfate	50.0	48.34		mg/L		97	80 - 120

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-879517/1-A
Matrix: Water
Analysis Batch: 879676

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 879517

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:40	03/25/25 10:04	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/24/25 05:40	03/25/25 10:04	1
Barium	<0.000890		0.0100	0.000890	mg/L		03/24/25 05:40	03/25/25 10:04	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/24/25 05:40	03/25/25 10:04	1
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:40	03/25/25 10:04	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:40	03/25/25 10:04	1
Calcium	<0.140		0.500	0.140	mg/L		03/24/25 05:40	03/25/25 10:04	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:40	03/25/25 10:04	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		03/24/25 05:40	03/25/25 10:04	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:40	03/25/25 10:04	1
Lithium	0.002625	J	0.00500	0.00200	mg/L		03/24/25 05:40	03/25/25 10:04	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/24/25 05:40	03/25/25 10:04	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/24/25 05:40	03/25/25 10:04	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:40	03/25/25 10:04	1

Lab Sample ID: LCS 680-879517/2-A
Matrix: Water
Analysis Batch: 879676

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 879517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.04903		mg/L		98	80 - 120
Arsenic	0.100	0.1043		mg/L		104	80 - 120
Barium	0.100	0.1036		mg/L		104	80 - 120
Beryllium	0.0500	0.05367		mg/L		107	80 - 120
Boron	0.400	0.4063		mg/L		102	80 - 120
Cadmium	0.0500	0.05275		mg/L		106	80 - 120
Calcium	5.00	5.302		mg/L		106	80 - 120
Chromium	0.100	0.1047		mg/L		105	80 - 120
Cobalt	0.0500	0.05231		mg/L		105	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-879517/2-A
Matrix: Water
Analysis Batch: 879676

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 879517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.500	0.5095		mg/L		102	80 - 120
Lithium	0.500	0.4891		mg/L		98	80 - 120
Molybdenum	0.100	0.09905		mg/L		99	80 - 120
Selenium	0.100	0.09971		mg/L		100	80 - 120
Thallium	0.0500	0.05106		mg/L		102	80 - 120

Lab Sample ID: MB 680-879518/1-A
Matrix: Water
Analysis Batch: 879626

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 879518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/24/25 05:40	03/24/25 12:55	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/24/25 05:40	03/24/25 12:55	1
Barium	<0.000890		0.0100	0.000890	mg/L		03/24/25 05:40	03/24/25 12:55	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/24/25 05:40	03/24/25 12:55	1
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:40	03/24/25 12:55	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/24/25 05:40	03/24/25 12:55	1
Calcium	<0.140		0.500	0.140	mg/L		03/24/25 05:40	03/24/25 12:55	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/24/25 05:40	03/24/25 12:55	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		03/24/25 05:40	03/24/25 12:55	1
Lead	<0.000210		0.00100	0.000210	mg/L		03/24/25 05:40	03/24/25 12:55	1
Lithium	<0.00200		0.00500	0.00200	mg/L		03/24/25 05:40	03/24/25 12:55	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/24/25 05:40	03/24/25 12:55	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/24/25 05:40	03/24/25 12:55	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/24/25 05:40	03/24/25 12:55	1

Lab Sample ID: LCS 680-879518/2-A
Matrix: Water
Analysis Batch: 879626

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 879518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.05134		mg/L		103	80 - 120
Arsenic	0.100	0.1078		mg/L		108	80 - 120
Barium	0.100	0.1055		mg/L		106	80 - 120
Beryllium	0.0500	0.05654		mg/L		113	80 - 120
Boron	0.400	0.4562		mg/L		114	80 - 120
Cadmium	0.0500	0.05428		mg/L		109	80 - 120
Calcium	5.00	5.416		mg/L		108	80 - 120
Chromium	0.100	0.1102		mg/L		110	80 - 120
Cobalt	0.0500	0.05486		mg/L		110	80 - 120
Lead	0.500	0.5365		mg/L		107	80 - 120
Lithium	0.500	0.5260		mg/L		105	80 - 120
Molybdenum	0.100	0.1028		mg/L		103	80 - 120
Selenium	0.100	0.1077		mg/L		108	80 - 120
Thallium	0.0500	0.05375		mg/L		107	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-187983-6 MS
Matrix: Water
Analysis Batch: 879626

Client Sample ID: FB-01
Prep Type: Total Recoverable
Prep Batch: 879518

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.000340		0.0500	0.05035		mg/L		101	75 - 125
Arsenic	<0.000860		0.100	0.1057		mg/L		106	75 - 125
Barium	<0.000890		0.100	0.1060		mg/L		106	75 - 125
Beryllium	<0.000200		0.0500	0.05638		mg/L		113	75 - 125
Boron	<0.0220		0.400	0.4481		mg/L		112	75 - 125
Cadmium	<0.0000780		0.0500	0.05462		mg/L		109	75 - 125
Calcium	<0.140		5.00	5.438		mg/L		109	75 - 125
Chromium	<0.00120		0.100	0.1087		mg/L		109	75 - 125
Cobalt	<0.000220		0.0500	0.05409		mg/L		108	75 - 125
Lead	<0.000210		0.500	0.5260		mg/L		105	75 - 125
Lithium	<0.00200		0.500	0.5126		mg/L		103	75 - 125
Molybdenum	<0.000860		0.100	0.1031		mg/L		103	75 - 125
Selenium	<0.000990		0.100	0.1018		mg/L		102	75 - 125
Thallium	<0.000260		0.0500	0.05354		mg/L		107	75 - 125

Lab Sample ID: 180-187983-6 MSD
Matrix: Water
Analysis Batch: 879626

Client Sample ID: FB-01
Prep Type: Total Recoverable
Prep Batch: 879518

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.000340		0.0500	0.05202		mg/L		104	75 - 125	3	20
Arsenic	<0.000860		0.100	0.1069		mg/L		107	75 - 125	1	20
Barium	<0.000890		0.100	0.1076		mg/L		108	75 - 125	1	20
Beryllium	<0.000200		0.0500	0.05671		mg/L		113	75 - 125	1	20
Boron	<0.0220		0.400	0.4593		mg/L		115	75 - 125	2	20
Cadmium	<0.0000780		0.0500	0.05578		mg/L		112	75 - 125	2	20
Calcium	<0.140		5.00	5.438		mg/L		109	75 - 125	0	20
Chromium	<0.00120		0.100	0.1113		mg/L		111	75 - 125	2	20
Cobalt	<0.000220		0.0500	0.05523		mg/L		110	75 - 125	2	20
Lead	<0.000210		0.500	0.5429		mg/L		109	75 - 125	3	20
Lithium	<0.00200		0.500	0.5295		mg/L		106	75 - 125	3	20
Molybdenum	<0.000860		0.100	0.1051		mg/L		105	75 - 125	2	20
Selenium	<0.000990		0.100	0.1077		mg/L		108	75 - 125	6	20
Thallium	<0.000260		0.0500	0.05380		mg/L		108	75 - 125	0	20

Lab Sample ID: MB 680-879741/1-A
Matrix: Water
Analysis Batch: 879926

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 879741

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		03/26/25 05:27	03/27/25 15:10	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		03/26/25 05:27	03/27/25 15:10	1
Barium	<0.000890		0.0100	0.000890	mg/L		03/26/25 05:27	03/27/25 15:10	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		03/26/25 05:27	03/27/25 15:10	1
Boron	<0.0220		0.0800	0.0220	mg/L		03/26/25 05:27	03/27/25 15:10	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		03/26/25 05:27	03/27/25 15:10	1
Calcium	<0.140		0.500	0.140	mg/L		03/26/25 05:27	03/27/25 15:10	1
Chromium	<0.00120		0.00200	0.00120	mg/L		03/26/25 05:27	03/27/25 15:10	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		03/26/25 05:27	03/27/25 15:10	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-879741/1-A
Matrix: Water
Analysis Batch: 879926

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 879741

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.000210		0.00100	0.000210	mg/L		03/26/25 05:27	03/27/25 15:10	1
Lithium	<0.00200		0.00500	0.00200	mg/L		03/26/25 05:27	03/27/25 15:10	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		03/26/25 05:27	03/27/25 15:10	1
Selenium	<0.000990		0.00500	0.000990	mg/L		03/26/25 05:27	03/27/25 15:10	1
Thallium	<0.000260		0.00100	0.000260	mg/L		03/26/25 05:27	03/27/25 15:10	1

Lab Sample ID: LCS 680-879741/2-A
Matrix: Water
Analysis Batch: 879926

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 879741

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.04783		mg/L		96	80 - 120
Arsenic	0.100	0.09383		mg/L		94	80 - 120
Barium	0.100	0.09405		mg/L		94	80 - 120
Beryllium	0.0500	0.05111		mg/L		102	80 - 120
Boron	0.400	0.3978		mg/L		99	80 - 120
Cadmium	0.0500	0.04854		mg/L		97	80 - 120
Calcium	5.00	4.919		mg/L		98	80 - 120
Chromium	0.100	0.09581		mg/L		96	80 - 120
Cobalt	0.0500	0.04909		mg/L		98	80 - 120
Lead	0.500	0.4728		mg/L		95	80 - 120
Lithium	0.500	0.4908		mg/L		98	80 - 120
Molybdenum	0.100	0.09451		mg/L		95	80 - 120
Selenium	0.100	0.09887		mg/L		99	80 - 120
Thallium	0.0500	0.04685		mg/L		94	80 - 120

Lab Sample ID: 180-188111-2 MS
Matrix: Water
Analysis Batch: 879926

Client Sample ID: DUP-02
Prep Type: Total Recoverable
Prep Batch: 879741

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.000340		0.0500	0.04984		mg/L		100	75 - 125
Arsenic	<0.000860		0.100	0.09739		mg/L		97	75 - 125
Barium	0.0229		0.100	0.1225		mg/L		100	75 - 125
Beryllium	<0.000200		0.0500	0.05336		mg/L		107	75 - 125
Boron	0.0253	J	0.400	0.4380		mg/L		103	75 - 125
Cadmium	<0.0000780		0.0500	0.05145		mg/L		103	75 - 125
Calcium	0.960		5.00	6.110		mg/L		103	75 - 125
Chromium	1.62		0.100	0.1002	4	mg/L		-1518	75 - 125
Cobalt	0.00599		0.0500	0.05366		mg/L		95	75 - 125
Lead	0.000445	J	0.500	0.4971		mg/L		99	75 - 125
Lithium	0.00387	J	0.500	0.5159		mg/L		102	75 - 125
Molybdenum	0.0110		0.100	0.09989		mg/L		89	75 - 125
Selenium	<0.000990		0.100	0.1047		mg/L		105	75 - 125
Thallium	<0.000260		0.0500	0.04940		mg/L		99	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-188111-2 MSD
Matrix: Water
Analysis Batch: 879926

Client Sample ID: DUP-02
Prep Type: Total Recoverable
Prep Batch: 879741

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.000340		0.0500	0.04853		mg/L		97	75 - 125	3	20
Arsenic	<0.000860		0.100	0.09725		mg/L		97	75 - 125	0	20
Barium	0.0229		0.100	0.1185		mg/L		96	75 - 125	3	20
Beryllium	<0.000200		0.0500	0.05106		mg/L		102	75 - 125	4	20
Boron	0.0253	J	0.400	0.4181		mg/L		98	75 - 125	5	20
Cadmium	<0.0000780		0.0500	0.05011		mg/L		100	75 - 125	3	20
Calcium	0.960		5.00	5.905		mg/L		99	75 - 125	3	20
Chromium	1.62		0.100	0.09998	4	mg/L		-1518	75 - 125	0	20
Cobalt	0.00599		0.0500	0.05303		mg/L		94	75 - 125	1	20
Lead	0.000445	J	0.500	0.4860		mg/L		97	75 - 125	2	20
Lithium	0.00387	J	0.500	0.4967		mg/L		99	75 - 125	4	20
Molybdenum	0.0110		0.100	0.09798		mg/L		87	75 - 125	2	20
Selenium	<0.000990		0.100	0.09990		mg/L		100	75 - 125	5	20
Thallium	<0.000260		0.0500	0.04780		mg/L		96	75 - 125	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-879582/1-A
Matrix: Water
Analysis Batch: 879628

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 879582

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:25	03/24/25 17:56	1

Lab Sample ID: LCS 680-879582/2-A
Matrix: Water
Analysis Batch: 879628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 879582

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.002295		mg/L		92	80 - 120

Lab Sample ID: MB 680-879583/1-A
Matrix: Water
Analysis Batch: 879628

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 879583

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/24/25 11:28	03/24/25 16:53	1

Lab Sample ID: LCS 680-879583/2-A
Matrix: Water
Analysis Batch: 879628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 879583

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.002457		mg/L		98	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 180-187983-1 MS
Matrix: Water
Analysis Batch: 879628

Client Sample ID: BAW-1
Prep Type: Total/NA
Prep Batch: 879583

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.0000800		0.00100	0.0009381		mg/L		94	80 - 120		

Lab Sample ID: 180-187983-1 MSD
Matrix: Water
Analysis Batch: 879628

Client Sample ID: BAW-1
Prep Type: Total/NA
Prep Batch: 879583

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.0000800		0.00100	0.0009155		mg/L		92	80 - 120	2	20

Lab Sample ID: MB 680-879778/1-A
Matrix: Water
Analysis Batch: 879876

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 879778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		03/26/25 10:42	03/26/25 15:20	1

Lab Sample ID: LCS 680-879778/2-A
Matrix: Water
Analysis Batch: 879876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 879778

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00250	0.002711		mg/L		108	80 - 120		

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 180-492251/1
Matrix: Water
Analysis Batch: 492251

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			03/20/25 11:36	1

Lab Sample ID: LCS 180-492251/2
Matrix: Water
Analysis Batch: 492251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			239	212.0		mg/L		89	85 - 115		

Lab Sample ID: 180-187983-1 DU
Matrix: Water
Analysis Batch: 492251

Client Sample ID: BAW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	<10.0			10.00		mg/L				NC	10

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: MB 180-492254/1
Matrix: Water
Analysis Batch: 492254

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			03/20/25 11:47	1

Lab Sample ID: LCS 180-492254/2
Matrix: Water
Analysis Batch: 492254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	420	398.0		mg/L		95	85 - 115

Lab Sample ID: 180-187983-2 DU
Matrix: Water
Analysis Batch: 492254

Client Sample ID: BAW-2A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10.0		<10.0		mg/L		NC	10

Lab Sample ID: MB 180-492255/1
Matrix: Water
Analysis Batch: 492255

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			03/20/25 11:54	1

Lab Sample ID: LCS 180-492255/2
Matrix: Water
Analysis Batch: 492255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	420	394.0		mg/L		94	85 - 115

Lab Sample ID: 180-187983-7 DU
Matrix: Water
Analysis Batch: 492255

Client Sample ID: EB-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10.0		<10.0		mg/L		NC	10

Lab Sample ID: MB 180-492441/1
Matrix: Water
Analysis Batch: 492441

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			03/24/25 13:17	1

Lab Sample ID: LCS 180-492441/2
Matrix: Water
Analysis Batch: 492441

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	420	396.0		mg/L		94	85 - 115

QC Association Summary

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-1

HPLC/IC

Analysis Batch: 492231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total/NA	Water	EPA 9056A	
180-187983-2	BAW-2A	Total/NA	Water	EPA 9056A	
180-187983-3	BAW-3	Total/NA	Water	EPA 9056A	
180-187983-8	DUP-01	Total/NA	Water	EPA 9056A	
MB 180-492231/42	Method Blank	Total/NA	Water	EPA 9056A	
MB 180-492231/77	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-492231/43	Lab Control Sample	Total/NA	Water	EPA 9056A	
LCS 180-492231/78	Lab Control Sample	Total/NA	Water	EPA 9056A	
180-187983-1 MS	BAW-1	Total/NA	Water	EPA 9056A	
180-187983-1 MSD	BAW-1	Total/NA	Water	EPA 9056A	

Analysis Batch: 492232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-4	BAW-4	Total/NA	Water	EPA 9056A	
MB 180-492232/6	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-492232/7	Lab Control Sample	Total/NA	Water	EPA 9056A	

Analysis Batch: 492705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-6	FB-01	Total/NA	Water	EPA 9056A	
MB 180-492705/86	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-492705/89	Lab Control Sample	Total/NA	Water	EPA 9056A	

Analysis Batch: 492773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-5	BAW-5	Total/NA	Water	EPA 9056A	
180-187983-7	EB-01	Total/NA	Water	EPA 9056A	
MB 180-492773/46	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-492773/47	Lab Control Sample	Total/NA	Water	EPA 9056A	

Analysis Batch: 492849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188111-1	BAW-7	Total/NA	Water	EPA 9056A	
180-188111-2	DUP-02	Total/NA	Water	EPA 9056A	
MB 180-492849/6	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-492849/7	Lab Control Sample	Total/NA	Water	EPA 9056A	

Metals

Prep Batch: 879517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total Recoverable	Water	3005A	
180-187983-2	BAW-2A	Total Recoverable	Water	3005A	
180-187983-3	BAW-3	Total Recoverable	Water	3005A	
180-187983-4	BAW-4	Total Recoverable	Water	3005A	
180-187983-5	BAW-5	Total Recoverable	Water	3005A	
MB 680-879517/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-879517/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Metals

Prep Batch: 879518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-6	FB-01	Total Recoverable	Water	3005A	
180-187983-7	EB-01	Total Recoverable	Water	3005A	
180-187983-8	DUP-01	Total Recoverable	Water	3005A	
MB 680-879518/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-879518/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-187983-6 MS	FB-01	Total Recoverable	Water	3005A	
180-187983-6 MSD	FB-01	Total Recoverable	Water	3005A	

Prep Batch: 879582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-2	BAW-2A	Total/NA	Water	7470A	
180-187983-3	BAW-3	Total/NA	Water	7470A	
180-187983-4	BAW-4	Total/NA	Water	7470A	
180-187983-5	BAW-5	Total/NA	Water	7470A	
180-187983-7	EB-01	Total/NA	Water	7470A	
180-187983-8	DUP-01	Total/NA	Water	7470A	
MB 680-879582/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-879582/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 879583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total/NA	Water	7470A	
180-187983-6	FB-01	Total/NA	Water	7470A	
MB 680-879583/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-879583/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-187983-1 MS	BAW-1	Total/NA	Water	7470A	
180-187983-1 MSD	BAW-1	Total/NA	Water	7470A	

Analysis Batch: 879626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-6	FB-01	Total Recoverable	Water	6020B	879518
180-187983-7	EB-01	Total Recoverable	Water	6020B	879518
180-187983-8	DUP-01	Total Recoverable	Water	6020B	879518
MB 680-879518/1-A	Method Blank	Total Recoverable	Water	6020B	879518
LCS 680-879518/2-A	Lab Control Sample	Total Recoverable	Water	6020B	879518
180-187983-6 MS	FB-01	Total Recoverable	Water	6020B	879518
180-187983-6 MSD	FB-01	Total Recoverable	Water	6020B	879518

Analysis Batch: 879628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total/NA	Water	7470A	879583
180-187983-2	BAW-2A	Total/NA	Water	7470A	879582
180-187983-3	BAW-3	Total/NA	Water	7470A	879582
180-187983-4	BAW-4	Total/NA	Water	7470A	879582
180-187983-5	BAW-5	Total/NA	Water	7470A	879582
180-187983-6	FB-01	Total/NA	Water	7470A	879583
180-187983-7	EB-01	Total/NA	Water	7470A	879582
180-187983-8	DUP-01	Total/NA	Water	7470A	879582
MB 680-879582/1-A	Method Blank	Total/NA	Water	7470A	879582
MB 680-879583/1-A	Method Blank	Total/NA	Water	7470A	879583
LCS 680-879582/2-A	Lab Control Sample	Total/NA	Water	7470A	879582

Metals (Continued)

Analysis Batch: 879628 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-879583/2-A	Lab Control Sample	Total/NA	Water	7470A	879583
180-187983-1 MS	BAW-1	Total/NA	Water	7470A	879583
180-187983-1 MSD	BAW-1	Total/NA	Water	7470A	879583

Analysis Batch: 879676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total Recoverable	Water	6020B	879517
180-187983-2	BAW-2A	Total Recoverable	Water	6020B	879517
180-187983-3	BAW-3	Total Recoverable	Water	6020B	879517
180-187983-4	BAW-4	Total Recoverable	Water	6020B	879517
180-187983-5	BAW-5	Total Recoverable	Water	6020B	879517
MB 680-879517/1-A	Method Blank	Total Recoverable	Water	6020B	879517
LCS 680-879517/2-A	Lab Control Sample	Total Recoverable	Water	6020B	879517

Prep Batch: 879741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188111-1	BAW-7	Total Recoverable	Water	3005A	
180-188111-2	DUP-02	Total Recoverable	Water	3005A	
MB 680-879741/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-879741/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-188111-2 MS	DUP-02	Total Recoverable	Water	3005A	
180-188111-2 MSD	DUP-02	Total Recoverable	Water	3005A	

Prep Batch: 879778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188111-1	BAW-7	Total/NA	Water	7470A	
180-188111-2	DUP-02	Total/NA	Water	7470A	
MB 680-879778/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-879778/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 879876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188111-1	BAW-7	Total/NA	Water	7470A	879778
180-188111-2	DUP-02	Total/NA	Water	7470A	879778
MB 680-879778/1-A	Method Blank	Total/NA	Water	7470A	879778
LCS 680-879778/2-A	Lab Control Sample	Total/NA	Water	7470A	879778

Analysis Batch: 879926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188111-1	BAW-7	Total Recoverable	Water	6020B	879741
180-188111-2	DUP-02	Total Recoverable	Water	6020B	879741
MB 680-879741/1-A	Method Blank	Total Recoverable	Water	6020B	879741
LCS 680-879741/2-A	Lab Control Sample	Total Recoverable	Water	6020B	879741
180-188111-2 MS	DUP-02	Total Recoverable	Water	6020B	879741
180-188111-2 MSD	DUP-02	Total Recoverable	Water	6020B	879741

General Chemistry

Analysis Batch: 492251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 492251 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-4	BAW-4	Total/NA	Water	SM 2540C	
180-187983-5	BAW-5	Total/NA	Water	SM 2540C	
MB 180-492251/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-492251/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-187983-1 DU	BAW-1	Total/NA	Water	SM 2540C	

Analysis Batch: 492254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-2	BAW-2A	Total/NA	Water	SM 2540C	
180-187983-8	DUP-01	Total/NA	Water	SM 2540C	
MB 180-492254/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-492254/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-187983-2 DU	BAW-2A	Total/NA	Water	SM 2540C	

Analysis Batch: 492255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-3	BAW-3	Total/NA	Water	SM 2540C	
180-187983-6	FB-01	Total/NA	Water	SM 2540C	
180-187983-7	EB-01	Total/NA	Water	SM 2540C	
MB 180-492255/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-492255/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-187983-7 DU	EB-01	Total/NA	Water	SM 2540C	

Analysis Batch: 492441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188111-1	BAW-7	Total/NA	Water	SM 2540C	
180-188111-2	DUP-02	Total/NA	Water	SM 2540C	
MB 180-492441/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-492441/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 493578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total/NA	Water	Field Sampling	
180-187983-2	BAW-2A	Total/NA	Water	Field Sampling	
180-187983-3	BAW-3	Total/NA	Water	Field Sampling	
180-187983-4	BAW-4	Total/NA	Water	Field Sampling	
180-187983-5	BAW-5	Total/NA	Water	Field Sampling	

Analysis Batch: 493587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188111-1	BAW-7	Total/NA	Water	Field Sampling	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Heydendorfer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Daniel Ash Pond B CCR	Project #: 18020047			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B Custom 14 (App III and IV)	7470 Mercury	90656 Chloride Fluoride Sulfate	Total Dissolved Solids	Ra 226 Ra 228 and Combined	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BAW-1	3-17-25	1234	G	water	No		X	X	X	X	X	7	
BAW-2A	3-17-25	1355	G	water	No		X	X	X	X	X	7	
BAW-3	3-18-25	1011	G	water	No		X	X	X	X	X	7	
BAW-4	3 17-25	1638	G	water	No		X	X	X	X	X	7	
BAW-5	3-18-25	1129	G	water	No		X	X	X	X	X	7	
~~BAW-7~~ Rolled 3-18-25													
FB- 01	3-18-25	0847	G	water	No		X	X	X	X	X	7	
EB- 01	3-18-25	0901	G	water	No		X	X	X	X	X	7	
DUP- 01	3-17-25	1255	G	water	No		X	X	X	X	X	7	

180-187983 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	3-18-25 1627	SCS ENV.		3/19/25 0930	EUFINS
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.. | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hagendorfer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:

Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Birmingham	TAT Requested (days):		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: Alabama			
Phone: 205 992 6283	PO #:		Other:
Email: SCS Contacts	WO #:		
Project Name: Daniel Ash Pond B General Chemistry	Project #: 18020047		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B Metals (Ca, K, Mg, Na, St)	9056A Chloride & Sulfate	Alkalinity, Total Bicarb, Carb	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
BAW-1	3-17-25	1234	G	water	No		X	X	X	2	
BAW-2A	3-17-25	1355	G	water	No		X	X	X	2	
BAW-3	3-18-25	1011	G	water	No		X	X	X	2	
FB-01	3-18-25	0847	G	water	No		X	X	X	2	
EB-01	3-18-25	0901	G	water	No		X	X	X	2	
DUP-01	3-17-25	1255	G	water	No		X	X	X	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time: 3-18-25 1452	Company: RSH EM	Received by:	Date/Time: 3/19/25 0930	Company: EHNB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

4/11/2025 (Rev. 1)

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Heyendorfer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:

Address	Due Date Requested:
3535 Colonnade Pkwy Bin S 530 EC	
City: Birmingham	TAT Requested (days):
State, Zip: Alabama	
Phone: 205 992 6283	PO #:
Email: SCS Contacts	WO #:
Project Name: Daniel Ash Pond B CCR	Project #: 18020047
Site	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B Custom 14 (App III and IV)	7470 Mercury	90656 Chloride Fluoride Sulfate	Total Dissolved Solids	Ra 226 Ra 228 and Combined	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BAW-1													
BAW-2A													
BAW-3													
BAW-4													
BAW-5 RDH 3-20-25													
BAW-7	3-18-25	1737	G	water	No		X	X	1	X	X	7	
FB-													
EB-													
DUP- RDH 3 20-25													
DWP-02	3-18-25	1637	G	water	No		X	X	X	X	X	7	

180-188111 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
1	[signature]	3-20-25 1137	RDH ENV.	[signature]	3-21-25 0915	EUFINANCE
2	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Do Not [illegible] this Tag

Do N

180-187983 Waybill

:BIXA (999) 999-9999
CA PITTSBURGH LAB
DR
, PA 15238
ATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE
DIMS: 26x15x14 IN

BILL THIRD

IFINS

LPHA DR
PARK
SBURGH PA 15238
7058 REF:
DEPT:

198-7028FL

ETP: 28
1002826022710001523800286
SP:XX:100:

PRIORITY OVE

corrected temp 1.7 °C
ermometer ID 25
-0.6 Initials

-SR-001 effective 7/26/13

4 of 12
365 8335 1206
865 8335 1170 0201
AGCA
PA-

WED - 19 MAI
PRIORITY OVI

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

198-7028FL

ETP: 28
1002826022710001523800286
SP:XX:100:

PRIORITY OVERNIGHT
15238-2907 US
4150 WED 03/19 07:24
301 ALPHA DR
PITTSBURGH PA
230052

Uncorrected temp 2.4 °C
Thermometer ID 25
CF -0.6 Initials

PT-WI-SR-001 effective 7/26/13

2 of 12
MPS# 0263 2865 8335 1180
Mstr# 2865 8335 1170 0201
XS AGCA
15238
PA-US PIT

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT

Part # 165297-488-ARMS 0324 EXP 10/25

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 3.4 °C
Thermometer ID 25
CF -0.6 Initials

PT-WI-SR-001 effective 7/26/13

FedEx Express

7 of 12
MPS# 0263 2865 8335 1239
Mstr# 2865 8335 1170 0201
XS AGCA
15238
PA-US PIT

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT

Part # 165297-488-ARMS 0324 EXP 10/25

(Rev. 1)

Do Not Lift Using ...

Do Not ... Using This Tag

RIGIN ID:BIXA (999) 999-9999
ESTAMERICA PITTSBURGH LAB
01 ALPHA DR
ITTSBURGH, PA 15238
NITED STATES US

SHIP DATE: 18MA
ACTWGT: 60.00 L
CAD: 6993800/SS
DIMS: 26x15x14

BILL THIRD PART

EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

412) 963-7058 REF:
NV:
O: DEPT:

Uncorrected temp 3.8 °C
Thermometer ID 25
CF -0.6 Initials

PT-WI-SR-001 effective 7/26/13

3 of 12

PS# 263 2865 8335 1191

Mstr# 2865 8335 1170

0201

WED - 19 M
PRIORITY O

XS AGCA

PA

4/11/2025 (Rev. 1)

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18
ACTWGT: 60.00
CAD: 6993800/
DIMS: 26x15x1

BILL THIRD PA

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 4.3 °C
Thermometer ID 25
CF -0.6 Initials

PT-WI-SR-001 effective 7/26/13

6 of 12

MPS# 0263 2865 8335 1228

Mstr# 2865 8335 1170

0201

WED - 19 M
PRIORITY O

XS AGCA

PA-

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN

BILL THIRD PARTY

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 3.6 °C
Thermometer ID 25
CF -0.6 Initials

PT-WI-SR-001 effective 7/26/13

FedEx Express

J25102412170luv

12 of 12

MPS# 0263 2865 8335 1283

Mstr# 2865 8335 1170

0201

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PIT
PA-US

Part # 1 of 1

13 12 11 10 9 8 7 6 5 4 3 2 1

Using This Tag

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 3.1 °C
Thermometer ID 25
CF -0.6 Initials SR
PT-WI-SR-001 effective 7/26/13

FedEx Express

J251024121701uv

8 of 12
MPS# 0263 2865 8335 1240
Mstr# 2865 8335 1170 0201

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT

Part # 156297-[illegible] 10/25

Do Not Lift Using This Tag

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 2.2 °C
Thermometer ID 25
CF -0.6 Initials SR
PT-WI-SR-001 effective 7/26/13

FedEx Express

J251024121701uv

10 of 12
MPS# 0263 2865 8335 1261
Mstr# 2865 8335 1170 0201

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT

XS AGCA

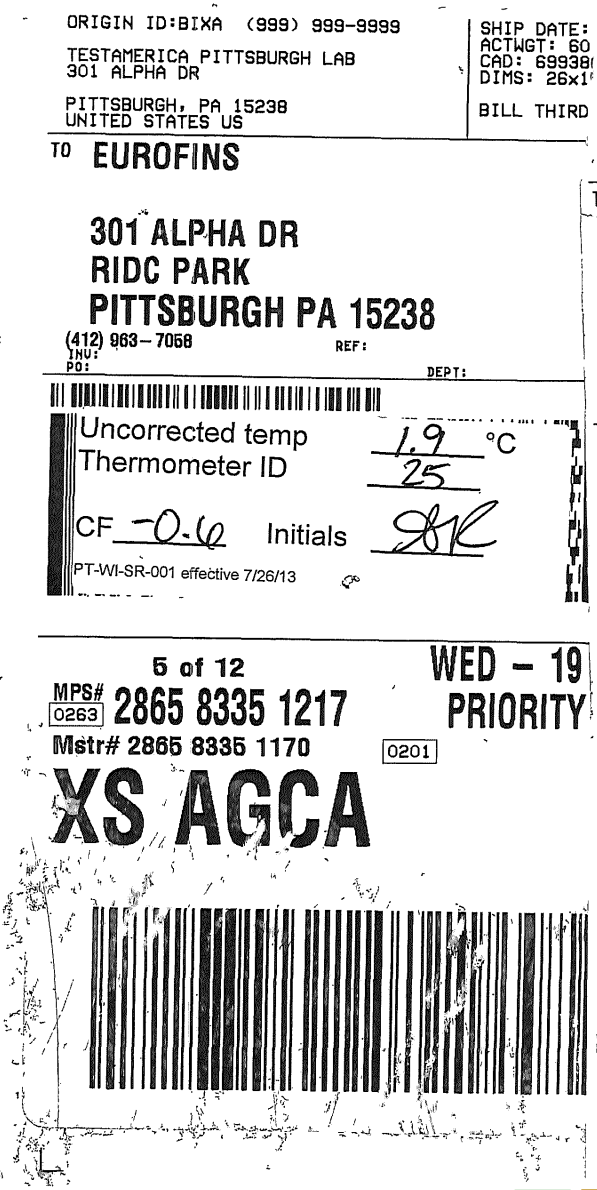
15238
PA-US PIT

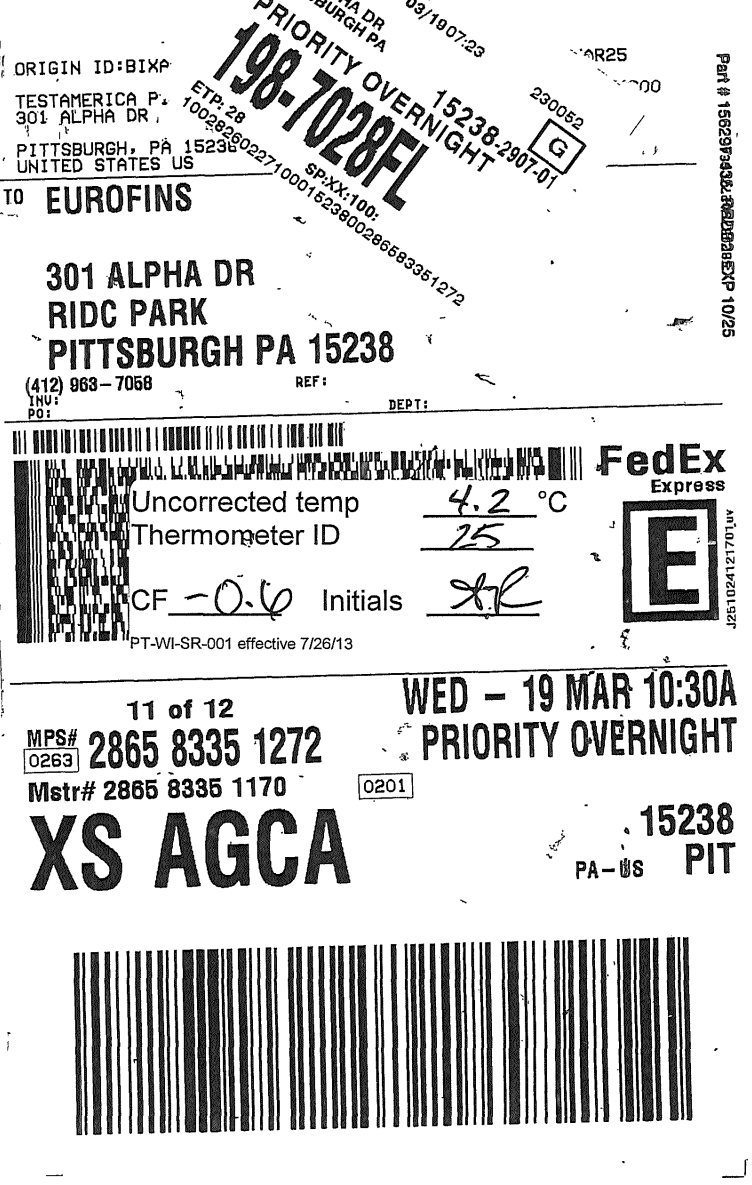
Part # 156297-[illegible] 10/25

Not Lift Using This Tag

Do Not Lift Using This Tag







Align FedEx® pouch here.

ORIGIN ID:VPSA (850) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 20MAR25
ACTWGT: 67.55 LB
CAD: 6570893/ROSA2610
DIMS: 25x14x13 IN

BILL THIRD PARTY

Part # 156297-435 ARDB2 EXP 07/25

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058

INV:
PO:
REF:
DEPT:

Uncorrected temp 0.9 °C
Thermometer ID 24
CF -0.4 Initials MR

PT-WI-SR-001 effective 7/26/13

FedEx Express

J2510241217013u

180-188111 Waybill

3 of 3

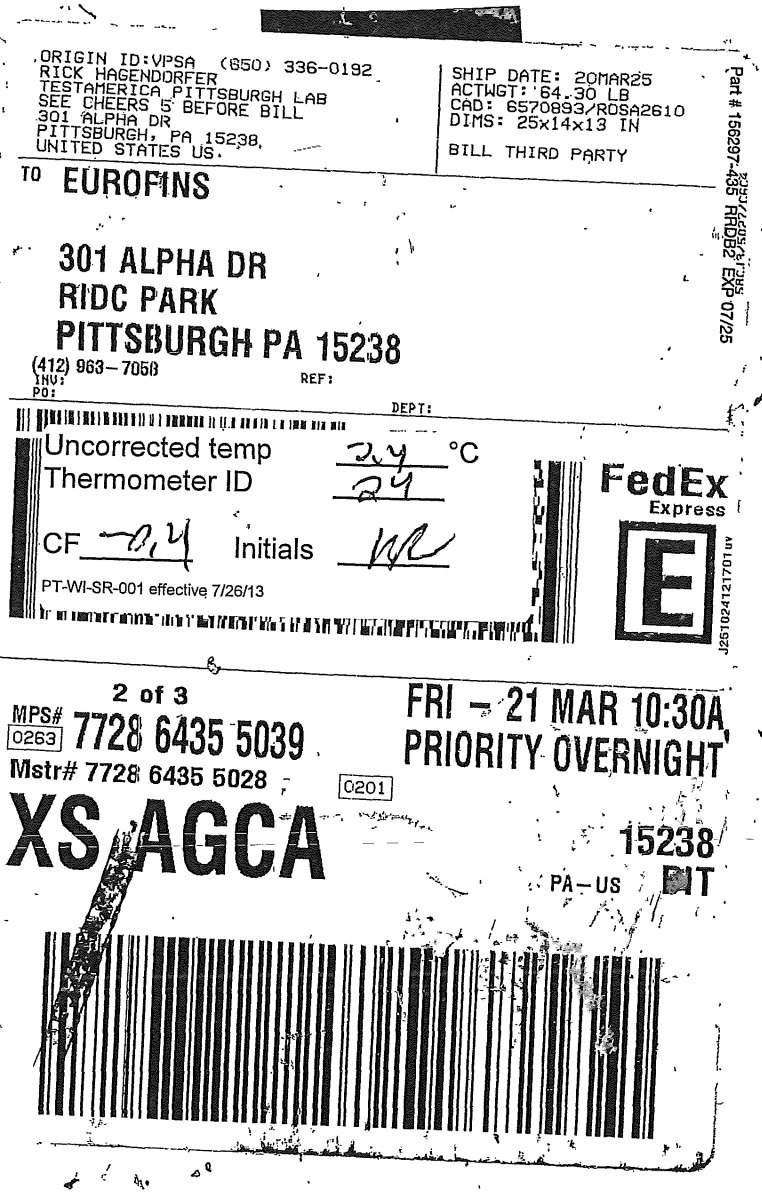
MPS# 0263 7728 6435 5040

Mstr# 7728 6435 5028 0201

FRI - 21 MAR 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT



ORIGIN ID:VPSA (650) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US.

SHIP DATE: 20MAR25
ACTWGT: 64.30 LB
CAD: 6570893/ROSA2610
DIMS: 25x14x13 IN

BILL THIRD PARTY

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058

INV:
PO:
REF:
DEPT:

Uncorrected temp 2.4 °C
Thermometer ID 24
CF -0.4 Initials NR
PT-WI-SR-001 effective 7/26/13

FedEx Express

2 of 3
MPS# 0263 7728 6435 5039
Mstr# 7728 6435 5028

FRI - 21 MAR 10:30A
PRIORITY OVERNIGHT

0201

XS AGCA

15238
PA-US PIT

Part # 156297-435 RRDB2 EXP 07/25

Align open end of FedEx pouch here.

Align FedEx® pouch here.

ORIGIN ID:VPSA (850) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 20MAR25
ACTWGT: 73.30 LB
CAD: 6570893/ROSA2610
DIMS: 25x14x13 IN
BILL THIRD PARTY

Part # 156207-435 RRDB2-EXP 07/25

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058

INV:
PO:
REF:
DEPT:

Uncorrected temp 4.2 °C
Thermometer ID 24
CF -0.4 Initials

PT-WI-SR-001 effective 7/26/13

FedEx Express

J251024121701uv

1 of 3

TRK# 0201 7728 6435 5028

MASTER

XS AGCA

FRI - 21 MAR 10:30A
PRIORITY OVERNIGHT

15238
PA-US PIT

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-535110.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Mississippi	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): N/A		Job #: 180-187983-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 4/1/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Daniel Ash Pond B	Project #: 18020047			Other: N/A
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Standard Target List	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
BAW-1 (180-187983-1)	3/17/25	12:34 Central	G	Water			X	X	X	3	
BAW-2A (180-187983-2)	3/17/25	13:55 Central	G	Water			X	X	X	3	
BAW-3 (180-187983-3)	3/18/25	10:11 Central	G	Water			X	X	X	3	
BAW-4 (180-187983-4)	3/17/25	16:38 Central	G	Water			X	X	X	3	
BAW-5 (180-187983-5)	3/18/25	11:29 Central	G	Water			X	X	X	3	
FB-01 (180-187983-6)	3/18/25	08:47 Central	G	Water			X	X	X	3	
EB-01 (180-187983-7)	3/18/25	09:01 Central	G	Water			X	X	X	3	
DUP-01 (180-187983-8)	3/17/25	12:55 Central	G	Water			X	X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	3/20/25 1700	ETA-STL		0815 MAR 21 2025	ETA-STL
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-535113.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Mississippi	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): N/A		Job #: 180-187983-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 4/1/2025			
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Daniel Ash Pond B	Project #: 18020047			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A (MOD) Custom 14 (AppIII + App IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/3005A Custom 14 (AppIII + App IV)	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
BAW-1 (180-187983-1)	3/17/25	12:34 Central	G	Water			X	X		2	
BAW-2A (180-187983-2)	3/17/25	13:55 Central	G	Water			X	X		2	
BAW-3 (180-187983-3)	3/18/25	10:11 Central	G	Water			X	X		2	
BAW-4 (180-187983-4)	3/17/25	16:38 Central	G	Water				X	X	2	
BAW-5 (180-187983-5)	3/18/25	11:29 Central	G	Water				X	X	2	
FB-01 (180-187983-6)	3/18/25	08:47 Central	G	Water			X	X		2	
EB-01 (180-187983-7)	3/18/25	09:01 Central	G	Water			X	X		2	
DUP-01 (180-187983-8)	3/17/25	12:55 Central	G	Water			X	X		2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	3/20/25 1700	BTMS			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 3/21/25 1050	Company Eurofins

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 10.1/10.1

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-187983-1

Login Number: 187983
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-187983-1

Login Number: 187983
List Number: 3
Creator: Munro, Caroline

List Source: Eurofins Savannah
List Creation: 03/21/25 07:33 PM

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-187983-1

Login Number: 188111
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-187983-1

Login Number: 188111
List Number: 2
Creator: Faught, Timothy

List Source: Eurofins Savannah
List Creation: 03/25/25 11:59 AM

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 4/24/2025 8:24:23 PM

JOB DESCRIPTION

Plant Daniel Ash Pond B

JOB NUMBER

180-187983-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

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.

PA Lab ID: 02-00416

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 Pittsburgh Project Manager.

Authorization



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4/24/2025 8:24:23 PM

Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Definitions/Glossary 5
Certification Summary 6
Sample Summary 7
Method Summary 8
Lab Chronicle 9
Client Sample Results 13
QC Sample Results 19
QC Association Summary 22
Chain of Custody 23
Receipt Checklists 33

Job Narrative
180-187983-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/19/2025 9:30 AM and 3/21/2025 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 14 coolers at receipt time were 0.5°C, 0.8°C, 1.1°C, 1.3°C, 1.6°C, 1.8°C, 2.0°C, 2.3°C, 2.5°C, 2.8°C, 3.0°C, 3.2°C, 3.6°C and 3.7°C.

Gas Flow Proportional Counter
Method 9320_Ra228: Radium 228 Batch 709341

The Radium-228 laboratory control sample (LCS) associated with the following samples recovered at 127%: (LCS 160-709341/2-C). The limits in our LIMS system at 75-125 % reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of 68-154%. The LCS is within criteria and no further action is required.

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

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

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-2

Qualifiers

Rad

Qualifier	Qualifier Description
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

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-2

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-25 *
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-25
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	06-30-25
Oklahoma	NELAP	9997	08-31-25
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-25
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-187983-1	BAW-1	Water	03/17/25 12:34	03/19/25 09:30
180-187983-2	BAW-2A	Water	03/17/25 13:55	03/19/25 09:30
180-187983-3	BAW-3	Water	03/18/25 10:11	03/19/25 09:30
180-187983-4	BAW-4	Water	03/17/25 16:38	03/19/25 09:30
180-187983-5	BAW-5	Water	03/18/25 11:29	03/19/25 09:30
180-187983-6	FB-01	Water	03/18/25 08:47	03/19/25 09:30
180-187983-7	EB-01	Water	03/18/25 09:01	03/19/25 09:30
180-187983-8	DUP-01	Water	03/17/25 12:55	03/19/25 09:30
180-188111-1	BAW-7	Water	03/18/25 17:37	03/21/25 09:15
180-188111-2	DUP-02	Water	03/18/25 16:37	03/21/25 09:15

Method Summary

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-2

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	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:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

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

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-2

Client Sample ID: BAW-1
Date Collected: 03/17/25 12:34
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1009.50 mL	1.0 g	709049	03/24/25 07:28	OGC	EET SL
Total/NA	Analysis	9315		1			713630	04/20/25 13:04	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1009.50 mL	1.0 g	709050	03/24/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			713080	04/18/25 13:57	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			714305	04/24/25 16:13	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: BAW-2A
Date Collected: 03/17/25 13:55
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1006.09 mL	1.0 g	709049	03/24/25 07:28	OGC	EET SL
Total/NA	Analysis	9315		1			713336	04/19/25 09:20	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1006.09 mL	1.0 g	709050	03/24/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			713080	04/18/25 13:57	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			714305	04/24/25 16:13	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: BAW-3
Date Collected: 03/18/25 10:11
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1004.40 mL	1.0 g	709049	03/24/25 07:28	OGC	EET SL
Total/NA	Analysis	9315		1			713630	04/20/25 13:04	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1004.40 mL	1.0 g	709050	03/24/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			713080	04/18/25 13:57	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			714305	04/24/25 16:13	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: BAW-4
Date Collected: 03/17/25 16:38
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.24 mL	1.0 g	709049	03/24/25 07:28	OGC	EET SL
Total/NA	Analysis	9315		1			713630	04/20/25 13:04	SWS	EET SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-2

Client Sample ID: BAW-4
Date Collected: 03/17/25 16:38
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1001.24 mL	1.0 g	709050	03/24/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			713073	04/18/25 13:51	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			714305	04/24/25 16:13	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: BAW-5
Date Collected: 03/18/25 11:29
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.83 mL	1.0 g	709049	03/24/25 07:28	OGC	EET SL
Total/NA	Analysis	9315		1			713630	04/20/25 13:04	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1001.83 mL	1.0 g	709050	03/24/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			713073	04/18/25 13:51	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			714305	04/24/25 16:13	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-01
Date Collected: 03/18/25 08:47
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1011.00 mL	1.0 g	709049	03/24/25 07:28	OGC	EET SL
Total/NA	Analysis	9315		1			713630	04/20/25 13:04	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1011.00 mL	1.0 g	709050	03/24/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			713073	04/18/25 13:51	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			714305	04/24/25 16:13	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-01
Date Collected: 03/18/25 09:01
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.32 mL	1.0 g	709049	03/24/25 07:28	OGC	EET SL
Total/NA	Analysis	9315		1			713462	04/20/25 13:03	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1000.32 mL	1.0 g	709050	03/24/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			713073	04/18/25 13:51	FLC	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-2

Client Sample ID: EB-01
Date Collected: 03/18/25 09:01
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			714305	04/24/25 16:13	CAH	EET SL

Client Sample ID: DUP-01
Date Collected: 03/17/25 12:55
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1003.50 mL	1.0 g	709049	03/24/25 07:28	OGC	EET SL
Total/NA	Analysis	9315		1			713462	04/20/25 13:03	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1003.50 mL	1.0 g	709050	03/24/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			713073	04/18/25 13:51	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			714305	04/24/25 16:13	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: BAW-7
Date Collected: 03/18/25 17:37
Date Received: 03/21/25 09:15

Lab Sample ID: 180-188111-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1007.53 mL	1.0 g	709340	03/26/25 07:43	OGC	EET SL
Total/NA	Analysis	9315		1			713893	04/23/25 19:20	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1007.53 mL	1.0 g	709341	03/26/25 07:47	OGC	EET SL
Total/NA	Analysis	9320		1			713901	04/23/25 12:08	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			714305	04/24/25 16:13	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02
Date Collected: 03/18/25 16:37
Date Received: 03/21/25 09:15

Lab Sample ID: 180-188111-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1003.84 mL	1.0 g	709340	03/26/25 07:43	OGC	EET SL
Total/NA	Analysis	9315		1			713902	04/23/25 20:05	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1003.84 mL	1.0 g	709341	03/26/25 07:47	OGC	EET SL
Total/NA	Analysis	9320		1			713901	04/23/25 12:08	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			714305	04/24/25 16:13	CAH	EET SL
	Instrument ID: NOEQUIP									

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

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-2

Analyst References:

Lab: EET SL

Batch Type: Prep

OGC = Olivia Carr

Batch Type: Analysis

CAH = Chris Hough

FLC = Fernando Cruz

SWS = Seth Stubblefield

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-2

Client Sample ID: BAW-1

Date Collected: 03/17/25 12:34
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.251		0.147	0.149	1.00	0.189	pCi/L	03/24/25 07:28	04/20/25 13:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.4*		*30 - 110*	*03/24/25 07:28*	*04/20/25 13:04*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0499	U	0.377	0.377	1.00	0.727	pCi/L	03/24/25 07:31	04/18/25 13:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.4*		*30 - 110*	*03/24/25 07:31*	*04/18/25 13:57*	*1*
Y Carrier	*79.6*		*30 - 110*	*03/24/25 07:31*	*04/18/25 13:57*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.201	U	0.405	0.405	5.00	0.727	pCi/L		04/24/25 16:13	1

Client Sample ID: BAW-2A

Date Collected: 03/17/25 13:55
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.206	U	0.181	0.182	1.00	0.275	pCi/L	03/24/25 07:28	04/19/25 09:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*03/24/25 07:28*	*04/19/25 09:20*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.262	U	0.402	0.403	1.00	0.683	pCi/L	03/24/25 07:31	04/18/25 13:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*03/24/25 07:31*	*04/18/25 13:57*	*1*
Y Carrier	*79.6*		*30 - 110*	*03/24/25 07:31*	*04/18/25 13:57*	*1*

Client Sample ID: BAW-2A
Date Collected: 03/17/25 13:55
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-2
Matrix: Water

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.469	U	0.441	0.442	5.00	0.683	pCi/L		04/24/25 16:13	1

Client Sample ID: BAW-3
Date Collected: 03/18/25 10:11
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-3
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.186	U	0.135	0.136	1.00	0.193	pCi/L	03/24/25 07:28	04/20/25 13:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*03/24/25 07:28*	*04/20/25 13:04*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.228	U	0.372	0.373	1.00	0.745	pCi/L	03/24/25 07:31	04/18/25 13:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*03/24/25 07:31*	*04/18/25 13:57*	*1*
Y Carrier	*83.4*		*30 - 110*	*03/24/25 07:31*	*04/18/25 13:57*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0426	U	0.396	0.397	5.00	0.745	pCi/L		04/24/25 16:13	1

Client Sample ID: BAW-4
Date Collected: 03/17/25 16:38
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-4
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.179	U	0.155	0.155	1.00	0.237	pCi/L	03/24/25 07:28	04/20/25 13:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*03/24/25 07:28*	*04/20/25 13:04*	*1*

Client Sample ID: BAW-4

Lab Sample ID: 180-187983-4

Date Collected: 03/17/25 16:38

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0943	U	0.369	0.369	1.00	0.714	pCi/L	03/24/25 07:31	04/18/25 13:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*03/24/25 07:31*	*04/18/25 13:51*	*1*
Y Carrier	*81.1*		*30 - 110*	*03/24/25 07:31*	*04/18/25 13:51*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0850	U	0.400	0.400	5.00	0.714	pCi/L		04/24/25 16:13	1

Client Sample ID: BAW-5

Lab Sample ID: 180-187983-5

Date Collected: 03/18/25 11:29

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.521**		0.208	0.214	1.00	0.228	pCi/L	03/24/25 07:28	04/20/25 13:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*30 - 110*	*03/24/25 07:28*	*04/20/25 13:04*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.70**		0.752	0.792	1.00	0.837	pCi/L	03/24/25 07:31	04/18/25 13:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*30 - 110*	*03/24/25 07:31*	*04/18/25 13:51*	*1*
Y Carrier	*75.9*		*30 - 110*	*03/24/25 07:31*	*04/18/25 13:51*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**3.22**		0.780	0.820	5.00	0.837	pCi/L		04/24/25 16:13	1

Client Sample ID: FB-01

Lab Sample ID: 180-187983-6

Date Collected: 03/18/25 08:47

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0382	U	0.0870	0.0871	1.00	0.202	pCi/L	03/24/25 07:28	04/20/25 13:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*03/24/25 07:28*	*04/20/25 13:04*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.234	U	0.403	0.403	1.00	0.691	pCi/L	03/24/25 07:31	04/18/25 13:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*03/24/25 07:31*	*04/18/25 13:51*	*1*
Y Carrier	*82.6*		*30 - 110*	*03/24/25 07:31*	*04/18/25 13:51*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.196	U	0.412	0.412	5.00	0.691	pCi/L		04/24/25 16:13	1

Client Sample ID: EB-01

Lab Sample ID: 180-187983-7

Date Collected: 03/18/25 09:01

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00536	U	0.0842	0.0842	1.00	0.176	pCi/L	03/24/25 07:28	04/20/25 13:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*03/24/25 07:28*	*04/20/25 13:03*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.737	U	0.529	0.534	1.00	0.814	pCi/L	03/24/25 07:31	04/18/25 13:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*03/24/25 07:31*	*04/18/25 13:51*	*1*
Y Carrier	*80.7*		*30 - 110*	*03/24/25 07:31*	*04/18/25 13:51*	*1*

Client Sample ID: EB-01
Date Collected: 03/18/25 09:01
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-7
Matrix: Water

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.742	U	0.536	0.541	5.00	0.814	pCi/L		04/24/25 16:13	1

Client Sample ID: DUP-01
Date Collected: 03/17/25 12:55
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187983-8
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.145	U	0.156	0.157	1.00	0.253	pCi/L	03/24/25 07:28	04/20/25 13:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.2*		*30 - 110*	*03/24/25 07:28*	*04/20/25 13:03*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.709**		0.465	0.470	1.00	0.695	pCi/L	03/24/25 07:31	04/18/25 13:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.2*		*30 - 110*	*03/24/25 07:31*	*04/18/25 13:51*	*1*
Y Carrier	*80.7*		*30 - 110*	*03/24/25 07:31*	*04/18/25 13:51*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.854**		0.490	0.496	5.00	0.695	pCi/L		04/24/25 16:13	1

Client Sample ID: BAW-7
Date Collected: 03/18/25 17:37
Date Received: 03/21/25 09:15

Lab Sample ID: 180-188111-1
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.261**		0.175	0.177	1.00	0.221	pCi/L	03/26/25 07:43	04/23/25 19:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.6*		*30 - 110*	*03/26/25 07:43*	*04/23/25 19:20*	*1*

Client Sample ID: BAW-7

Lab Sample ID: 180-188111-1

Date Collected: 03/18/25 17:37

Matrix: Water

Date Received: 03/21/25 09:15

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.545	U	0.375	0.378	1.00	0.567	pCi/L	03/26/25 07:47	04/23/25 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.6*		*30 - 110*	*03/26/25 07:47*	*04/23/25 12:08*	*1*
Y Carrier	*83.7*		*30 - 110*	*03/26/25 07:47*	*04/23/25 12:08*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.806**		0.414	0.417	5.00	0.567	pCi/L		04/24/25 16:13	1

Client Sample ID: DUP-02

Lab Sample ID: 180-188111-2

Date Collected: 03/18/25 16:37

Matrix: Water

Date Received: 03/21/25 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.327**		0.230	0.232	1.00	0.322	pCi/L	03/26/25 07:43	04/23/25 20:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.0*		*30 - 110*	*03/26/25 07:43*	*04/23/25 20:05*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.279	U	0.361	0.362	1.00	0.601	pCi/L	03/26/25 07:47	04/23/25 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.0*		*30 - 110*	*03/26/25 07:47*	*04/23/25 12:08*	*1*
Y Carrier	*83.7*		*30 - 110*	*03/26/25 07:47*	*04/23/25 12:08*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.606**		0.428	0.430	5.00	0.601	pCi/L		04/24/25 16:13	1

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-709049/1-A
Matrix: Water
Analysis Batch: 713336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709049

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1343	U	0.179	0.179	1.00	0.300	pCi/L	03/24/25 07:28	04/19/25 09:20	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.7*		*30 - 110*	*03/24/25 07:28*	*04/19/25 09:20*	*1*

Lab Sample ID: LCS 160-709049/2-A
Matrix: Water
Analysis Batch: 713336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709049

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.139		1.17	1.00	0.290	pCi/L	95	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*86.6*		*30 - 110*

Lab Sample ID: 180-187983-2 DU
Matrix: Water
Analysis Batch: 713630

Client Sample ID: BAW-2A
Prep Type: Total/NA
Prep Batch: 709049

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.206	U		0.2463		0.151	1.00	0.197	pCi/L			0.12	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*87.3*		*30 - 110*

Lab Sample ID: MB 160-709340/1-A
Matrix: Water
Analysis Batch: 713901

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709340

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1771	U	0.241	0.241	1.00	0.405	pCi/L	03/26/25 07:43	04/23/25 17:35	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.4*		*30 - 110*	*03/26/25 07:43*	*04/23/25 17:35*	*1*

Lab Sample ID: LCS 160-709340/2-A
Matrix: Water
Analysis Batch: 713901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709340

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.652		1.32	1.00	0.307	pCi/L	101	75 - 125		

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-709340/2-A
Matrix: Water
Analysis Batch: 713901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709340

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	80.2		30 - 110

Lab Sample ID: 180-188111-1 DU
Matrix: Water
Analysis Batch: 713902

Client Sample ID: BAW-7
Prep Type: Total/NA
Prep Batch: 709340

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.261			0.1853	U	0.199	1.00	0.318	pCi/L			0.20	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	90.2		30 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-709050/1-A
Matrix: Water
Analysis Batch: 713079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709050

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3995	U	0.379	0.381	1.00	0.606	pCi/L	03/24/25 07:31	04/18/25 12:01	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		30 - 110	03/24/25 07:31	04/18/25 12:01	1
Y Carrier	77.0		30 - 110	03/24/25 07:31	04/18/25 12:01	1

Lab Sample ID: LCS 160-709050/2-A
Matrix: Water
Analysis Batch: 713079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709050

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.53	10.58		1.43	1.00	0.558	pCi/L	111	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.6		30 - 110
Y Carrier	80.0		30 - 110

Lab Sample ID: 180-187983-2 DU
Matrix: Water
Analysis Batch: 713080

Client Sample ID: BAW-2A
Prep Type: Total/NA
Prep Batch: 709050

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.262	U		0.2342	U	0.428	1.00	0.736	pCi/L			0.03	1

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 180-187983-2 DU
Matrix: Water
Analysis Batch: 713080

Client Sample ID: BAW-2A
Prep Type: Total/NA
Prep Batch: 709050

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	87.3		30 - 110
Y Carrier	81.9		30 - 110

Lab Sample ID: MB 160-709341/1-C
Matrix: Water
Analysis Batch: 713893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709341

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.09803	U	0.327	0.328	1.00	0.586	pCi/L	03/26/25 07:47	04/23/25 11:53	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	83.4		30 - 110	03/26/25 07:47	04/23/25 11:53	1
Y Carrier	84.1		30 - 110	03/26/25 07:47	04/23/25 11:53	1

Lab Sample ID: LCS 160-709341/2-C
Matrix: Water
Analysis Batch: 713893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709341

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.51	12.05		1.59	1.00	0.601	pCi/L	127	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	80.2		30 - 110
Y Carrier	83.4		30 - 110

Lab Sample ID: 180-188111-1 DU
Matrix: Water
Analysis Batch: 713901

Client Sample ID: BAW-7
Prep Type: Total/NA
Prep Batch: 709341

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.545	U		0.2861	U	0.372	1.00	0.618	pCi/L			0.35	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	90.2		30 - 110
Y Carrier	79.6		30 - 110

QC Association Summary

Client: Southern Company
Project/Site: Plant Daniel Ash Pond B

Job ID: 180-187983-2

Rad

Prep Batch: 709049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total/NA	Water	PrecSep-21	
180-187983-2	BAW-2A	Total/NA	Water	PrecSep-21	
180-187983-3	BAW-3	Total/NA	Water	PrecSep-21	
180-187983-4	BAW-4	Total/NA	Water	PrecSep-21	
180-187983-5	BAW-5	Total/NA	Water	PrecSep-21	
180-187983-6	FB-01	Total/NA	Water	PrecSep-21	
180-187983-7	EB-01	Total/NA	Water	PrecSep-21	
180-187983-8	DUP-01	Total/NA	Water	PrecSep-21	
MB 160-709049/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-709049/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-187983-2 DU	BAW-2A	Total/NA	Water	PrecSep-21	

Prep Batch: 709050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187983-1	BAW-1	Total/NA	Water	PrecSep_0	
180-187983-2	BAW-2A	Total/NA	Water	PrecSep_0	
180-187983-3	BAW-3	Total/NA	Water	PrecSep_0	
180-187983-4	BAW-4	Total/NA	Water	PrecSep_0	
180-187983-5	BAW-5	Total/NA	Water	PrecSep_0	
180-187983-6	FB-01	Total/NA	Water	PrecSep_0	
180-187983-7	EB-01	Total/NA	Water	PrecSep_0	
180-187983-8	DUP-01	Total/NA	Water	PrecSep_0	
MB 160-709050/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-709050/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-187983-2 DU	BAW-2A	Total/NA	Water	PrecSep_0	

Prep Batch: 709340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188111-1	BAW-7	Total/NA	Water	PrecSep-21	
180-188111-2	DUP-02	Total/NA	Water	PrecSep-21	
MB 160-709340/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-709340/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-188111-1 DU	BAW-7	Total/NA	Water	PrecSep-21	

Prep Batch: 709341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188111-1	BAW-7	Total/NA	Water	PrecSep_0	
180-188111-2	DUP-02	Total/NA	Water	PrecSep_0	
MB 160-709341/1-C	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-709341/2-C	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-188111-1 DU	BAW-7	Total/NA	Water	PrecSep_0	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Heydendorfer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Daniel Ash Pond B CCR	Project #: 18020047			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B Custom 14 (App III and IV)	7470 Mercury	90656 Chloride Fluoride Sulfate	Total Dissolved Solids	Ra 226 Ra 228 and Combined	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BAW-1	3-17-25	1234	G	water	No		X	X	X	X	X	7	
BAW-2A	3-17-25	1355	G	water	No		X	X	X	X	X	7	
BAW-3	3-18-25	1011	G	water	No		X	X	X	X	X	7	
BAW-4	3 17-25	1638	G	water	No		X	X	X	X	X	7	
BAW-5	3-18-25	1129	G	water	No		X	X	X	X	X	7	
~~BAW-7~~ Rolled 3-18-25													
FB- 01	3-18-25	0847	G	water	No		X	X	X	X	X	7	
EB- 01	3-18-25	0901	G	water	No		X	X	X	X	X	7	
DUP- 01	3-17-25	1255	G	water	No		X	X	X	X	X	7	

180-187983 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	3-18-25 1627	SCS ENV.	[signature]	3/19/25 0930	EUFANS
2						
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.. | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hagendorfer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:

Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Birmingham	TAT Requested (days):		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: Alabama			
Phone: 205 992 6283	PO #:		Other:
Email: SCS Contacts	WO #:		
Project Name: Daniel Ash Pond B General Chemistry	Project #: 18020047		
Site	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B Metals (Ca, K, Mg, Na, St)	9056A Chloride & Sulfate	Alkalinity, Total Bicarb, Carb	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
BAW-1	3-17-25	1234	G	water	No		X	X	X	2	
BAW-2A	3-17-25	1355	G	water	No		X	X	X	2	
BAW-3	3-18-25	1011	G	water	No		X	X	X	2	
FB-01	3-18-25	0847	G	water	No		X	X	X	2	
EB-01	3-18-25	0901	G	water	No		X	X	X	2	
DUP-01	3-17-25	1255	G	water	No		X	X	X	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time: 3-18-25 1452	Company: RSH EM	Received by:	Date/Time: 3/19/25 0930	Company: EHNB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Heyendorfer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:

Address	Due Date Requested:
3535 Colonnade Pkwy Bin S 530 EC	
City: Birmingham	TAT Requested (days):
State, Zip: Alabama	
Phone: 205 992 6283	PO #:
Email: SCS Contacts	WO #:
Project Name: Daniel Ash Pond B CCR	Project #: 18020047
Site	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B Custom 14 (App III and IV)	7470 Mercury	90656 Chloride Fluoride Sulfate	Total Dissolved Solids	Ra 226 Ra 228 and Combined	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BAW-1													
BAW-2A													
BAW-3													
BAW-4													
BAW-5 RDH 3-20-25													
BAW-7	3-18-25	1737	G	water	No		X	X	1	X	X	7	
FB-													
EB-													
DUP- RDH 3 20-25													
DWP-02	3-18-25	1637	G	water	No		X	X	X	X	X	7	

180-188111 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
[signature]	3-20-25 1137	RDH ENV.	[signature]	3-21-25 0915	EPI ANE
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Do Not [illegible] this Tag

Do N

180-187983 Waybill

:BIXA (999) 999-9999
CA PITTSBURGH LAB
DR
, PA 15238
ATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE
DIMS: 26x15x14 IN

BILL THIRD

IFINS

LPHA DR
PARK
SBURGH PA 15238
7058 REF:
DEPT:

198-7028FL

ETP: 28
1002826022710001523802286
SPrXX:100:

PRIORITY OV

corrected temp 1.7 °C
rmometer ID 25
-0.6 Initials

-SR-001 effective 7/26/13

4 of 12
65 8335 1206
865 8335 1170 0201
AGCA
PA-

WED - 19 MAI
PRIORITY OVI

4/24/2025

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

198-7028FL

ETP: 28
1002826022710001523802286
SPrXX:100:

PRIORITY OVERNIGHT
15238-2907 01

4150 WED 03/19 07:24
301 ALPHA DR
PITTSBURGH PA
230052

Uncorrected temp 2.4 °C
Thermometer ID 25
CF -0.6 Initials

PT-WI-SR-001 effective 7/26/13

Part # 165297-488-2-FMIB 2285 EXP 10/25

2 of 12
MPS# 0263 2865 8335 1180
Mstr# 2865 8335 1170 0201
XS AGCA
PA-US

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT
15238
PIT

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 3.4 °C
Thermometer ID 25
CF -0.6 Initials

PT-WI-SR-001 effective 7/26/13

FedEx Express

Part # 165297-488-2-FMIB 2285 EXP 10/25

7 of 12
MPS# 0263 2865 8335 1239
Mstr# 2865 8335 1170 0201
XS AGCA
PA-US

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT
15238
PIT

Do Not Lift Using ...

Do Not ... Using This Tag

RIGIN ID:BIXA (999) 999-9999
ESTAMERICA PITTSBURGH LAB
01 ALPHA DR
ITTSBURGH, PA 15238
NITED STATES US

SHIP DATE: 18MA
ACTWGT: 60.00 L
CAD: 6993800/SS
DIMS: 26x15x14

BILL THIRD PART

EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

412) 963-7058 REF:
NV:
O: DEPT:

Uncorrected temp 3.8 °C
Thermometer ID 25
CF -0.6 Initials SR

PT-WI-SR-001 effective 7/26/13

3 of 12

PS# 263 2865 8335 1191

Mstr# 2865 8335 1170

0201

WED - 19 MA
PRIORITY OV

XS AGCA

PA

4124/2025

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18
ACTWGT: 60.00
CAD: 6993800/
DIMS: 26x15x1

BILL THIRD PA

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 4.3 °C
Thermometer ID 25
CF -0.6 Initials SR

PT-WI-SR-001 effective 7/26/13

6 of 12

MPS# 0263 2865 8335 1228

Mstr# 2865 8335 1170

0201

WED - 19 MA
PRIORITY OV

XS AGCA

PA-

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN

BILL THIRD PARTY

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 3.6 °C
Thermometer ID 25
CF -0.6 Initials SR

PT-WI-SR-001 effective 7/26/13

FedEx Express

J251024121701uv

12 of 12

MPS# 0263 2865 8335 1283

Mstr# 2865 8335 1170

0201

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT

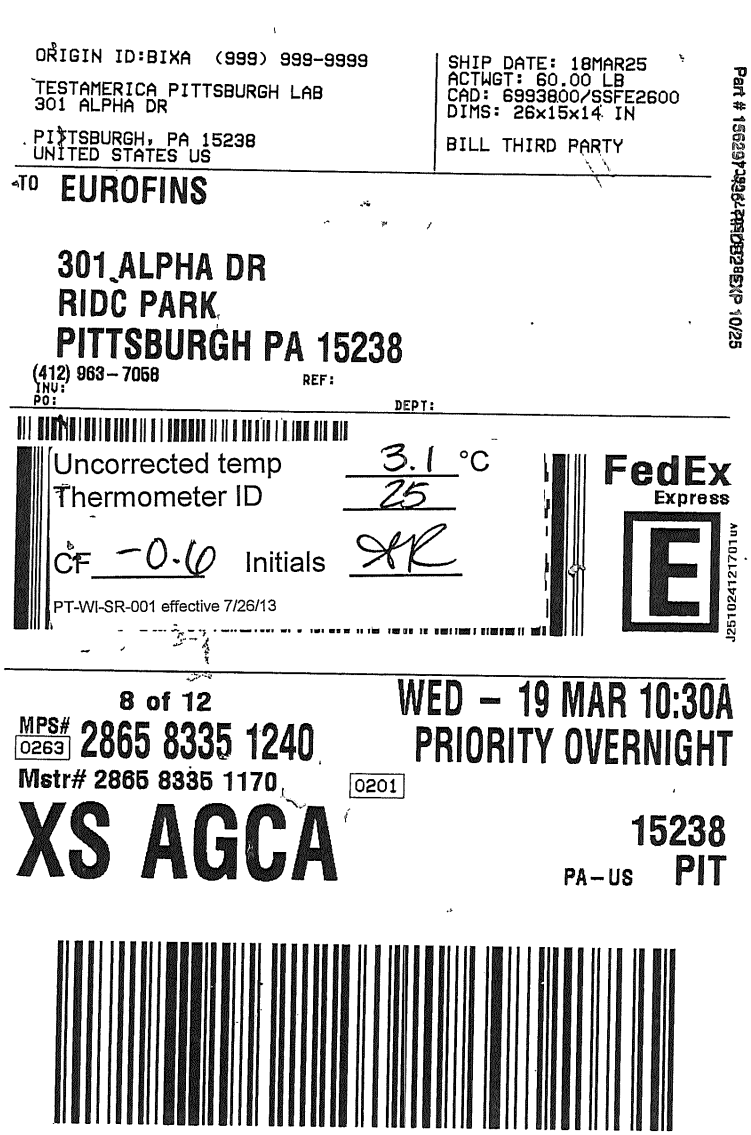
XS AGCA

15238
PA-US PIT

Part # 1 of 1 ... 1/25

Using This Tag

Do Not Lift Using This Tag



ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 3.1 °C
Thermometer ID 25
CF -0.6 Initials
PT-WI-SR-001 effective 7/26/13

FedEx Express

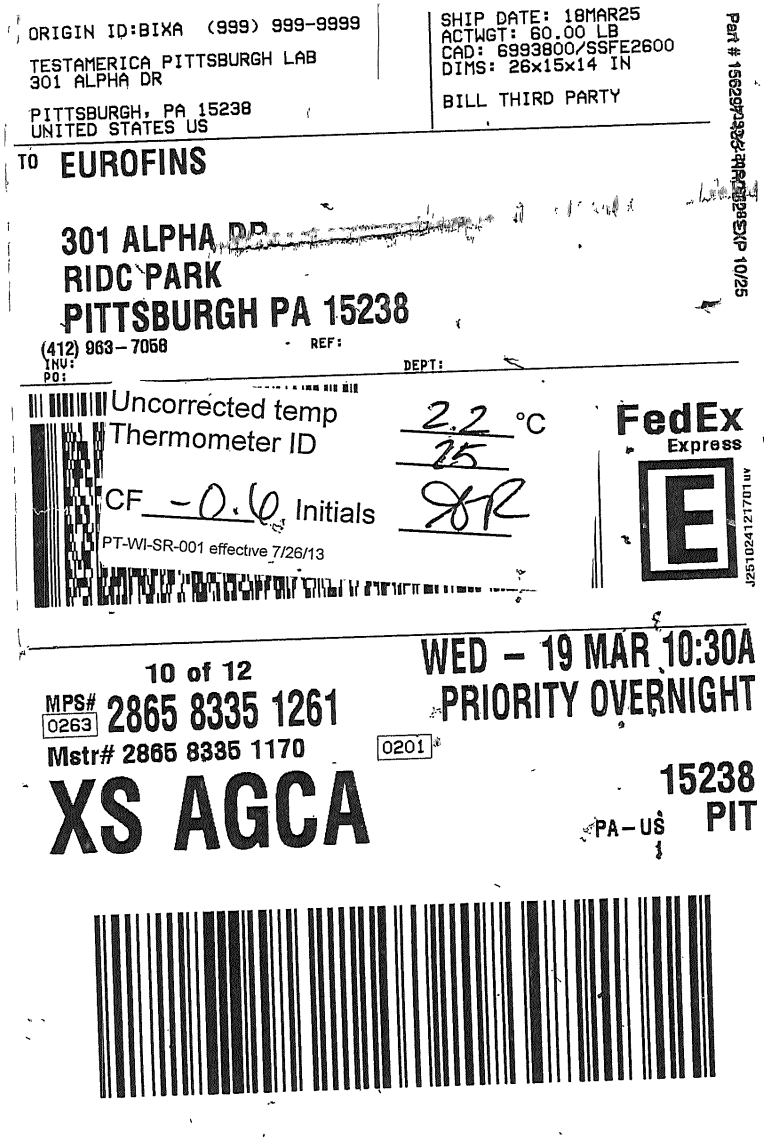
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8 of 12
MPS# 0263 2865 8335 1240
Mstr# 2865 8335 1170 0201

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT



ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 2.2 °C
Thermometer ID 25
CF -0.6 Initials
PT-WI-SR-001 effective 7/26/13

FedEx Express

J2510241217101uv

10 of 12
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PRIORITY OVERNIGHT

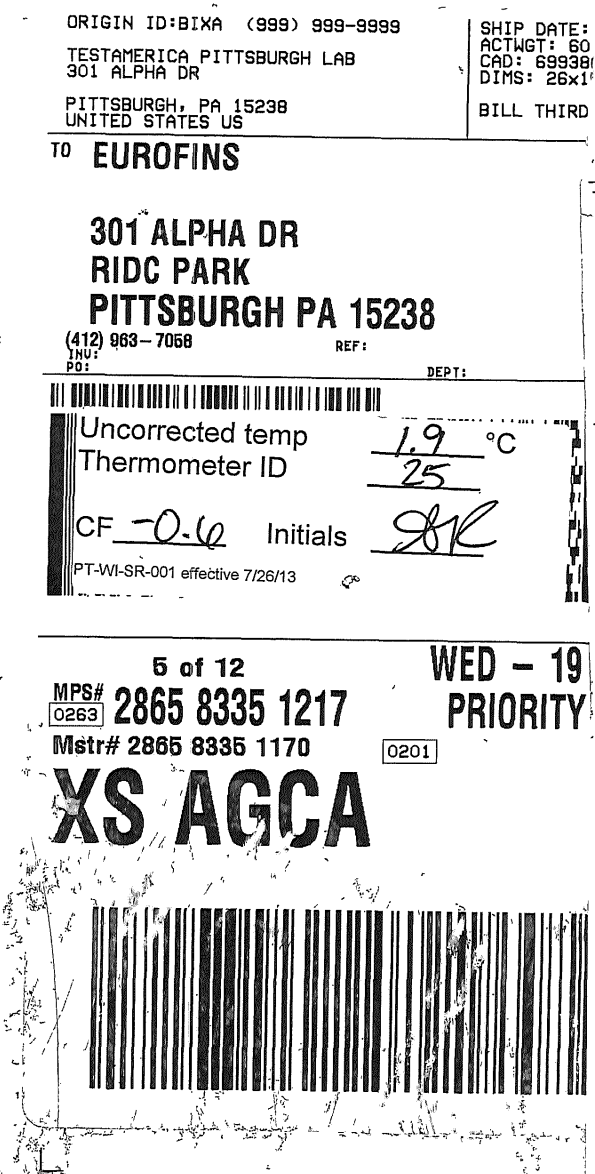
XS AGCA

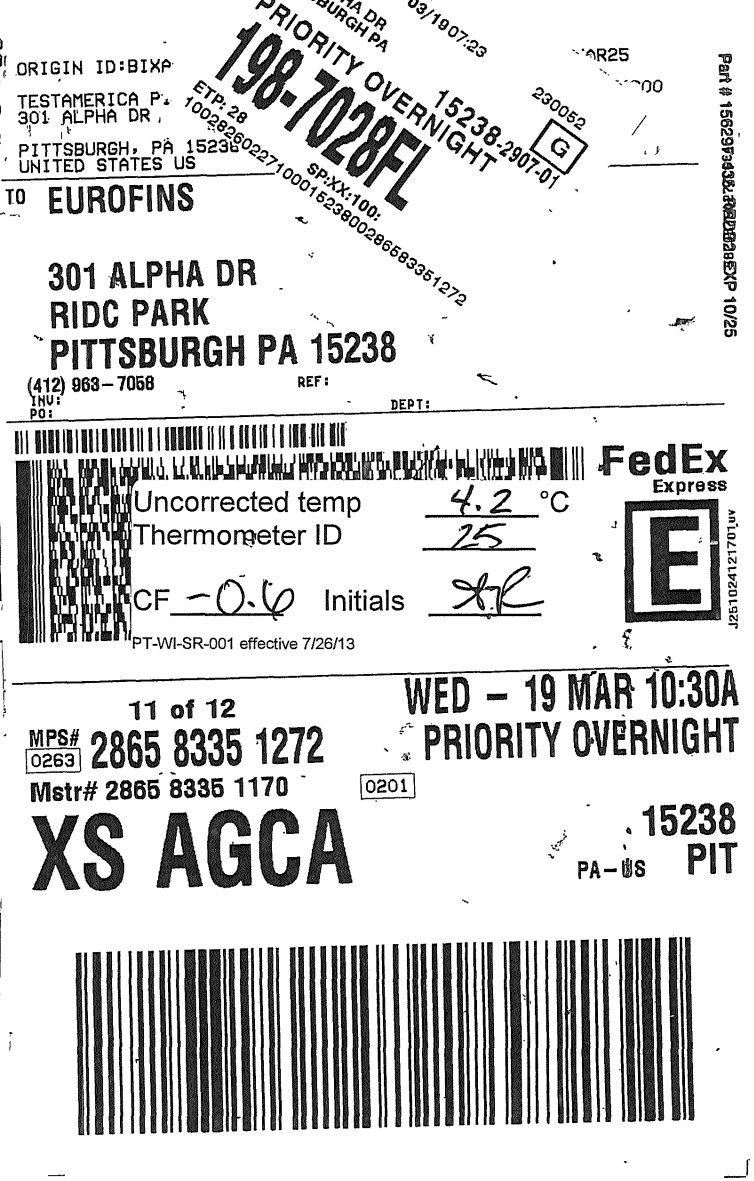
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PA-US PIT

Not Lift Using This Tag

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Align FedEx® pouch here.

ORIGIN ID:VPSA (850) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 20MAR25
ACTWGT: 67.55 LB
CAD: 6570893/ROSA2610
DIMS: 25x14x13 IN

BILL THIRD PARTY

Part # 156297-435 ARDB2 EXP 07/25

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058

INV:
PO:
REF:
DEPT:

Uncorrected temp 0.9 °C
Thermometer ID 24
CF -0.4 Initials MR

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180-188111 Waybill

3 of 3

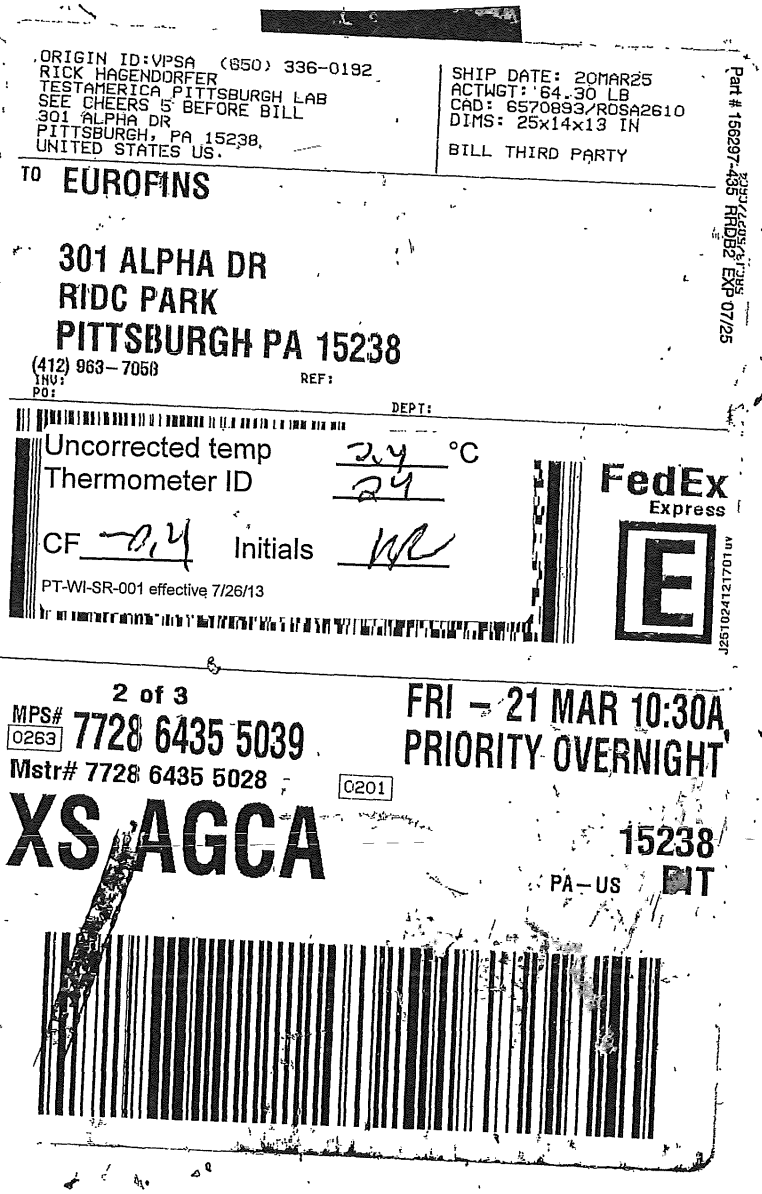
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FRI - 21 MAR 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT



ORIGIN ID:VPSA (650) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US.

SHIP DATE: 20MAR25
ACTWGT: 64.30 LB
CAD: 6570893/ROSA2610
DIMS: 25x14x13 IN

BILL THIRD PARTY

Part # 156297-435 RRDB2 EXP 07/25

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(412) 963-7058

INV:
PO:
REF:
DEPT:

Uncorrected temp 2.4 °C
Thermometer ID 24
CF -0.4 Initials NR

PT-WI-SR-001 effective 7/26/13

FedEx Express

2 of 3

MPS# 0263 7728 6435 5039
Mstr# 7728 6435 5028

0201

XS AGCA

FRI - 21 MAR 10:30A
PRIORITY OVERNIGHT

15238
PA-US PIT

Align open end of FedEx pouch here.

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ORIGIN ID:VPSA (850) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 20MAR25
ACTWGT: 73.30 LB
CAD: 6570893/ROSA2610
DIMS: 25x14x13 IN
BILL THIRD PARTY

Part # 156207-435 RRDB2-EXP 07/25

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058

INV:
PO:
REF:
DEPT:

Uncorrected temp 4.2 °C
Thermometer ID 24
CF -0.4 Initials

PT-WI-SR-001 effective 7/26/13

FedEx Express

J251024121701uv

1 of 3

TRK# 0201 7728 6435 5028

MASTER

XS AGCA

FRI - 21 MAR 10:30A
PRIORITY OVERNIGHT

15238
PA-US PIT

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-187983-2

Login Number: 187983
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-187983-2

Login Number: 187983
List Number: 2
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 03/21/25 11:57 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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 <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-187983-2

Login Number: 188111
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-187983-2

Login Number: 188111
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 03/25/25 09:47 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
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 <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Southern Company

APPENDIX C

Statistical Analysis

GROUNDWATER STATS CONSULTING

July 2, 2025

Southern Company Services
Attn: Mr. Trey Singleton
3535 Colonnade Parkway
Birmingham, AL 35243

Re: Plant Daniel Bottom Ash Pond
2025 Annual Statistical Analysis – March 2025 Sample Event

Dear Mr. Singleton,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater data for the March 2025 Groundwater Detection and Assessment Monitoring report for Mississippi Power Company's Plant Daniel Bottom Ash Pond. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015) as well as with the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began at Daniel Bottom Ash Pond for the CCR program in 2016. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** BAW-1, BAW-2, and BAW-2A
- **Downgradient wells:** BAW-3, BAW-4, BAW-5, and BAW-7

Upgradient well BAW-2 was last sampled in October 2017 and has since been abandoned; however, data from this well are included in construction of interwell prediction limits and upper tolerance limits to represent historical groundwater quality upgradient of the ash pond. Replacement upgradient well BAW-2A was first sampled in March 2018 and has since been sampled to supplement existing upgradient data for well BAW-2.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting.

The CCR program monitors the constituents listed below. The terms "parameters" and "constituents" are used interchangeably.

- **Appendix III** (Detection Monitoring) **-** boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)
- **Appendix IV** (Assessment Monitoring) **–** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A list of Appendix IV downgradient well/constituent pairs containing 100% non-detects follow this letter. For all constituents, a substitution of the most recent reporting limit is used for non-detect data. This generally gives the most conservative limit in each case.

Time series plots for Appendix III and IV parameters are provided for all wells and are used to evaluate concentrations over time. Additionally, box plots are included for all constituents at upgradient and downgradient wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graph. The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells.

During the previous screening, data at all wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided with the screening to demonstrate that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance recommendations as discussed below.

Summary of Statistical Methods

Based on the evaluation for federal regulatory requirements, the following methods were selected for Appendix III constituents:

- Interwell prediction limits, combined with a 1-of-2 resample plan for boron, calcium, chloride, fluoride, pH, sulfate, and TDS

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits (or tolerance limits or confidence intervals as applicable) are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric prediction limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric prediction limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The following approaches are used for handling non-detects (USEPA, 2009):

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric limits. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data following each sampling event after careful screening for any new outliers. In some cases, deselecting the earlier portion of data may be necessary prior to construction of limits so that resulting statistical limits are conservative (lower) from a regulatory perspective and capable of rapidly detecting changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Summary of Background Screening Conducted in October 2017

Outlier Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not conservative from a regulatory perspective, in proposed background data. Suspected outliers at all wells for Appendix III and Appendix IV parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. No suspected outliers were observed in any of the proposed background data at upgradient wells. When any values are identified as outliers, the measurements are plotted in a lighter font on the time series graph.

Seasonality

No seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Test Evaluation

While trends may be visual, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at each well to identify statistically significant increasing or decreasing trends. In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, earlier data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When the historical records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

The results of the trend analyses showed a couple statistically significant decreasing and increasing trends. All trends noted were relatively low in magnitude when compared to average concentrations; therefore, no adjustments were made to any of the data sets at that time.

Appendix III – Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA showed no variation for calcium, chloride, pH, sulfate, and TDS, making these parameters eligible for interwell methods. Boron and fluoride contained 100% non-detects and, therefore, could not be tested with the ANOVA. These parameters are also eligible for interwell methods since no variation is present. A summary table of the ANOVA results was included with the October 2017 screening.

Summary of Background Update Conducted in 2025

Outlier Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at upgradient wells for Appendix III and Appendix IV parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. When the most recent value is identified as an outlier, values are often not flagged in the database at this time as the measurements may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected.

Using the Tukey's box plot method and visual screening, Tukey's test identified elevated observations for combined radium 226 + 228 and pH; however, these observations were not flagged in the database as the measurements appeared to be representative of remaining observations among respective pooled upgradient concentrations and would not drastically change resulting limits if flagged. Because the highest value for lithium at upgradient well BAW-1 was not identified by Tukey's test, the observation was unflagged as an outlier during this analysis.

When any values are flagged in the database as outliers, the measurements are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Test Evaluation

While trends can be identified by visual inspection, a quantification of the trend and its statistical significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at each upgradient well to identify statistically significant increasing or decreasing trends. In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits. The following statistically significant trends were identified at upgradient wells:

Appendix III

Increasing:

- Chloride: BAW-2A
- Sulfate: BAW-2A

Decreasing:

- Calcium: BAW-2
- pH: BAW-2
- Sulfate: BAW-1

Appendix IV

Increasing:

- Barium: BAW-1
- Combined Radium 226 + 228: BAW-2A

Decreasing:

- Fluoride: BAW-2A

Although the results of the trend analyses showed statistically significant decreasing and increasing trends for the Appendix III and IV parameters; the magnitudes of the trends noted, particularly for Appendix IV parameters, were relatively low compared to average pooled upgradient concentrations, and overall upgradient concentrations were low relative to their respective MCLs. Therefore, no adjustments were made to the data sets at this time. If the observed decreasing or increasing trends persist over a longer time frame and influence resulting statistical limits, some records may require truncation.

Statistical Analysis of Appendix III Parameters – March 2025

Prior to constructing interwell prediction limits, data through the March 2025 sample event at upgradient wells were re-evaluated for outliers using visual screening and Tukey's outlier test. No additional outliers were suspected or flagged during this analysis. Tukey's outlier test had previously identified an outlier for calcium at upgradient well BAW-2 during the November 2019 statistical analysis; however, a similar measurement exists in replacement upgradient well BAW-2A. Therefore, the measurement for calcium is not flagged as an outlier and no outliers are flagged for Appendix III parameters.

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample strategy, were established for each of the Appendix III parameters using pooled historical upgradient well data through March 2025. The reported measurements at downgradient wells for the March 2025 sample event were compared to the interwell prediction limits to determine whether initial exceedances are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result and, therefore, no further action is necessary. Complete graphical results of the prediction limits may be found following this letter. Exceedances were identified for the following well/constituent pairs:

- Boron: BAW-5
- Calcium: BAW-4 and BAW-5
- Fluoride: BAW-5
- pH: BAW-5 (upper limit)
- Sulfate: BAW-5
- TDS: BAW-5

Trend Test Evaluation

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable. Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. The existence of similar trends in both upgradient and downgradient wells is an indication of variability in groundwater that is assumed to be unrelated to practices at the site. Statistically significant trends were identified for the following well/constituent pairs:

Increasing:
- Calcium: BAW-4
- Sulfate: BAW-2A (upgradient) and BAW-5

Decreasing:
- Calcium: BAW-2 (upgradient)
- pH: BAW-2 (upgradient) and BAW-5
- Sulfate: BAW-1 (upgradient)

As mentioned above, upgradient well BAW-2 was abandoned but data from this well are still used for constructing interwell statistical limits.

Statistical Methods – Appendix IV Parameters

Appendix IV parameters are evaluated by statistically comparing the average concentrations of each downgradient well/constituent pair against corresponding Groundwater Protection Standards (GWPS). The GWPS may be either regulatory (MCL or CCR rule-specified limits) or site-specific limits that are based on upgradient groundwater quality. Site-specific background limits are determined using upper tolerance limits, and the comparison of downgradient means or medians to GWPS is performed using confidence intervals. The methods are described below.

Evaluation of Appendix IV Parameters – March 2025

For Appendix IV parameters, confidence intervals for each downgradient well/constituent pair were compared against corresponding GWPS. Well/constituent pairs containing 100% non-detects do not require analysis.

Data from upgradient wells for Appendix IV parameters are reassessed for outliers during each analysis. No additional values were flagged during this analysis. Tukey's outlier test had previously identified an outlier for lithium at upgradient well BAW-1 during the November 2019 statistical analysis; however, Tukey's test did not identify this value as an outlier and the reported measurement of 0.012 mg/L is well below the MCL of 0.04 mg/L. Therefore, was unflagged during this analysis. No measurements are flagged as outliers among upgradient wells for the Appendix IV constituents.

Interwell Upper Tolerance Limits

Parametric upper tolerance limits were used to calculate background limits from pooled upgradient well data through March 2025 when data followed a normal distribution for Appendix IV parameters with a target of 95% confidence and 95% coverage to determine background limits. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were constructed. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples.

Groundwater Protection Standards

The interwell upper tolerance limits were compared to the Maximum Contaminant Levels (MCLs), CCR Rule-Specified levels, and background limits in the GWPS table following this letter to determine the highest limit for use as the GWPS in the Confidence Interval comparisons.

Confidence Intervals

Confidence intervals were then constructed on downgradient wells using all data through March 2025 for each of the Appendix IV parameters. The Sanitas software was used to calculate the confidence intervals, either parametric or nonparametric, as appropriate. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The confidence level associated with nonparametric confidence intervals is dependent upon the number samples available. Only when the entire confidence interval is above a GWPS

is the well/constituent pair considered to exceed its respective standard. Complete graphical results of the confidence intervals follow this letter. An exceedance was identified for the following well/constituent pair:

- Lithium: BAW-5

Trend Test Evaluation – Appendix IV

When confidence interval exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 95% confidence level. Utilizing the 95% confidence level for trend tests readily identifies significant trends and is more sensitive than the 99% confidence level without drastically increasing the false negative rate. Upgradient wells are included in the trend analyses for all parameters found to exceed their confidence intervals in downgradient wells. When similar patterns exist upgradient of the site, it is an indication of variability in groundwater which may be unrelated to practices at the site. Statistically significant trends were identified for the following well/constituent pairs:

Increasing:

- None

Decreasing:

- Lithium: BAW-5

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for the Daniel Bottom Ash Pond. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

Tristan Clark
Groundwater Analyst

Andrew Collins
Project Manager

Table of Contents

Summary Tables	12
Time Series	23
Box Plots	51
Outlier Summary & Tukey's Outlier Test	58
Trend Tests - Upgradient Wells	68
Interwell Prediction Limits	91
Trend Tests - Prediction Limit Exceedances	103
Upper Tolerance Limits	113
Groundwater Protection Standards	123
Confidence Intervals	125
Trend Tests - Confidence Interval Exceedances	146

Summary Tables

100% Non-Detects: Appendix IV Downgradient

Analysis Run 5/6/2025 3:25 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Antimony (mg/L)
BAW-3, BAW-4, BAW-5, BAW-7

Arsenic (mg/L)
BAW-3

Beryllium (mg/L)
BAW-4, BAW-5

Cadmium (mg/L)
BAW-4, BAW-7

Molybdenum (mg/L)
BAW-3

Selenium (mg/L)
BAW-4

Thallium (mg/L)
BAW-4, BAW-5

Appendix III - Interwell Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/6/2025, 3:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**BAW-5**	**0.0928**	**n/a**	**3/18/2025**	**0.772**	**Yes**	**53**	**81.13**	**n/a**	**n/a**	**0.0006789**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**BAW-4**	**2.8**	**n/a**	**3/17/2025**	**6.06**	**Yes**	**53**	**3.774**	**n/a**	**n/a**	**0.0006789**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BAW-5**	**2.8**	**n/a**	**3/18/2025**	**34.5**	**Yes**	**53**	**3.774**	**n/a**	**n/a**	**0.0006789**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	**BAW-5**	**0.1**	**n/a**	**3/18/2025**	**0.145**	**Yes**	**53**	**81.13**	**n/a**	**n/a**	**0.0006789**	**NP Inter (NDs) 1 of 2**
pH (SU)	**BAW-5**	**5.77**	**4.59**	**3/18/2025**	**6.22**	**Yes**	**51**	**0**	**n/a**	**n/a**	**0.001446**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BAW-5**	**7.68**	**n/a**	**3/18/2025**	**42.7**	**Yes**	**51**	**37.25**	**n/a**	**n/a**	**0.0007231**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**BAW-5**	**58.1**	**n/a**	**3/18/2025**	**168**	**Yes**	**51**	**7.843**	**None**	**sqrt(x)**	**0.00188**	**Param Inter 1 of 2**

Appendix III - Interwell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/6/2025, 3:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	BAW-3	0.0928	n/a	3/18/2025	0.08ND	No	53	81.13	n/a	n/a	0.0006789	NP Inter (NDs) 1 of 2
Boron (mg/L)	BAW-4	0.0928	n/a	3/17/2025	0.0398J	No	53	81.13	n/a	n/a	0.0006789	NP Inter (NDs) 1 of 2
Boron (mg/L)	**BAW-5**	**0.0928**	**n/a**	**3/18/2025**	**0.772**	**Yes**	**53**	**81.13**	**n/a**	**n/a**	**0.0006789**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	BAW-7	0.0928	n/a	3/18/2025	0.027J	No	53	81.13	n/a	n/a	0.0006789	NP Inter (NDs) 1 of 2
Calcium (mg/L)	BAW-3	2.8	n/a	3/18/2025	0.799	No	53	3.774	n/a	n/a	0.0006789	NP Inter (normality) 1 of 2
Calcium (mg/L)	**BAW-4**	**2.8**	**n/a**	**3/17/2025**	**6.06**	**Yes**	**53**	**3.774**	**n/a**	**n/a**	**0.0006789**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BAW-5**	**2.8**	**n/a**	**3/18/2025**	**34.5**	**Yes**	**53**	**3.774**	**n/a**	**n/a**	**0.0006789**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BAW-7	2.8	n/a	3/18/2025	0.94	No	53	3.774	n/a	n/a	0.0006789	NP Inter (normality) 1 of 2
Chloride (mg/L)	BAW-3	16.4	n/a	3/18/2025	5.19	No	51	0	n/a	n/a	0.0007231	NP Inter (normality) 1 of 2
Chloride (mg/L)	BAW-4	16.4	n/a	3/17/2025	6.8	No	51	0	n/a	n/a	0.0007231	NP Inter (normality) 1 of 2
Chloride (mg/L)	BAW-5	16.4	n/a	3/18/2025	9.76	No	51	0	n/a	n/a	0.0007231	NP Inter (normality) 1 of 2
Chloride (mg/L)	BAW-7	16.4	n/a	3/18/2025	5.02	No	51	0	n/a	n/a	0.0007231	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BAW-3	0.1	n/a	3/18/2025	0.0294J	No	53	81.13	n/a	n/a	0.0006789	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	BAW-4	0.1	n/a	3/17/2025	0.0657J	No	53	81.13	n/a	n/a	0.0006789	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**BAW-5**	**0.1**	**n/a**	**3/18/2025**	**0.145**	**Yes**	**53**	**81.13**	**n/a**	**n/a**	**0.0006789**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	BAW-7	0.1	n/a	3/18/2025	0.0432J	No	53	81.13	n/a	n/a	0.0006789	NP Inter (NDs) 1 of 2
pH (SU)	BAW-3	5.77	4.59	3/18/2025	4.66	No	51	0	n/a	n/a	0.001446	NP Inter (normality) 1 of 2
pH (SU)	BAW-4	5.77	4.59	3/17/2025	5.77	No	51	0	n/a	n/a	0.001446	NP Inter (normality) 1 of 2
pH (SU)	**BAW-5**	**5.77**	**4.59**	**3/18/2025**	**6.22**	**Yes**	**51**	**0**	**n/a**	**n/a**	**0.001446**	**NP Inter (normality) 1 of 2**
pH (SU)	BAW-7	5.77	4.59	3/18/2025	5.03	No	51	0	n/a	n/a	0.001446	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BAW-3	7.68	n/a	3/18/2025	6.81	No	51	37.25	n/a	n/a	0.0007231	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BAW-4	7.68	n/a	3/17/2025	7.47	No	51	37.25	n/a	n/a	0.0007231	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BAW-5**	**7.68**	**n/a**	**3/18/2025**	**42.7**	**Yes**	**51**	**37.25**	**n/a**	**n/a**	**0.0007231**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BAW-7	7.68	n/a	3/18/2025	0.941J	No	51	37.25	n/a	n/a	0.0007231	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BAW-3	58.1	n/a	3/18/2025	14	No	51	7.843	None	sqrt(x)	0.00188	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BAW-4	58.1	n/a	3/17/2025	37	No	51	7.843	None	sqrt(x)	0.00188	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	**BAW-5**	**58.1**	**n/a**	**3/18/2025**	**168**	**Yes**	**51**	**7.843**	**None**	**sqrt(x)**	**0.00188**	**Param Inter 1 of 2**
Total Dissolved Solids (mg/L)	BAW-7	58.1	n/a	3/18/2025	26	No	51	7.843	None	sqrt(x)	0.00188	Param Inter 1 of 2

Appendix III - Trend Test Summary - Significant Results

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/6/2025, 3:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**BAW-2 (bg)**	**-0.5725**	**-31**	**-25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BAW-4**	**0.3438**	**170**	**124**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**BAW-2 (bg)**	**-0.5393**	**-29**	**-25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**BAW-5**	**-0.04046**	**-164**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BAW-1 (bg)**	**-0.3946**	**-134**	**-118**	**Yes**	**26**	**42.31**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BAW-2A (bg)**	**0.7975**	**71**	**58**	**Yes**	**16**	**6.25**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BAW-5**	**2.378**	**125**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - Trend Test Summary - All Results

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/6/2025, 3:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BAW-1 (bg)	0	4	124	No	27	96.3	n/a	n/a	0.01	NP
Boron (mg/L)	BAW-2 (bg)	0	0	25	No	9	100	n/a	n/a	0.01	NP
Boron (mg/L)	BAW-2A (bg)	-0.002445	-50	-63	No	17	47.06	n/a	n/a	0.01	NP
Boron (mg/L)	BAW-5	0.03781	104	124	No	27	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BAW-1 (bg)	0.03185	112	124	No	27	3.704	n/a	n/a	0.01	NP
Calcium (mg/L)	**BAW-2 (bg)**	**-0.5725**	**-31**	**-25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BAW-2A (bg)	-0.03107	-36	-63	No	17	5.882	n/a	n/a	0.01	NP
Calcium (mg/L)	**BAW-4**	**0.3438**	**170**	**124**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BAW-5	1.215	89	124	No	27	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	BAW-1 (bg)	0	-43	-124	No	27	88.89	n/a	n/a	0.01	NP
Fluoride (mg/L)	BAW-2 (bg)	0	0	25	No	9	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	BAW-2A (bg)	-0.0009448	-53	-63	No	17	58.82	n/a	n/a	0.01	NP
Fluoride (mg/L)	BAW-5	0.002859	82	124	No	27	3.704	n/a	n/a	0.01	NP
pH (SU)	BAW-1 (bg)	-0.003352	-22	-118	No	26	0	n/a	n/a	0.01	NP
pH (SU)	**BAW-2 (bg)**	**-0.5393**	**-29**	**-25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	BAW-2A (bg)	-0.002966	-9	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	**BAW-5**	**-0.04046**	**-164**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BAW-1 (bg)**	**-0.3946**	**-134**	**-118**	**Yes**	**26**	**42.31**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BAW-2 (bg)	0	-11	-25	No	9	77.78	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BAW-2A (bg)**	**0.7975**	**71**	**58**	**Yes**	**16**	**6.25**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BAW-5**	**2.378**	**125**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	BAW-1 (bg)	1.017	82	118	No	26	11.54	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BAW-2 (bg)	-5.236	-4	-25	No	9	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BAW-2A (bg)	0.9204	12	58	No	16	6.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BAW-5	8.925	101	118	No	26	0	n/a	n/a	0.01	NP

PLANT DANIEL BOTTOM ASH GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.002	0.006
Arsenic, Total (mg/L)	0.01		0.001	0.01
Barium, Total (mg/L)	2		0.051	2
Beryllium, Total (mg/L)	0.004		0.001	0.004
Cadmium, Total (mg/L)	0.005		0.001	0.005
Chromium, Total (mg/L)	0.1		0.0029	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0017	0.006
Combined Radium, Total (pCi/L)	5		2.5	5
Fluoride, Total (mg/L)	4		0.1	4
Lead, Total (mg/L)	0.015		0.001	0.015
Lithium, Total (mg/L)	n/a	0.04	0.012	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.005	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Standard*

Appendix IV - Confidence Intervals - Significant Results

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/6/2025, 3:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	**BAW-5**	**0.1792**	**0.1327**	**0.04**	**Yes**	**26**	**0.1481**	**0.05524**	**0**	**None**	**x^2**	**0.01**	**Param.**

Appendix IV - Confidence Intervals - All Results

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/6/2025, 3:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	BAW-4	0.001497	0.0007946	0.01	No	26	0.001491	0.001226	15.38	Kaplan-Meier	ln(x)	0.01	Param.
Arsenic (mg/L)	BAW-5	0.004814	0.002312	0.01	No	26	0.003908	0.003068	0	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BAW-7	0.001	0.00052	0.01	No	26	0.0009623	0.0001332	92.31	None	No	0.01	NP (NDs)
Barium (mg/L)	BAW-3	0.03365	0.02493	2	No	26	0.02929	0.008946	0	None	No	0.01	Param.
Barium (mg/L)	BAW-4	0.0221	0.0093	2	No	26	0.01436	0.007329	0	None	No	0.01	NP (normality)
Barium (mg/L)	BAW-5	0.0688	0.0424	2	No	26	0.05663	0.02394	0	None	No	0.01	NP (normality)
Barium (mg/L)	BAW-7	0.0225	0.0117	2	No	26	0.01917	0.01682	0	None	No	0.01	NP (normality)
Beryllium (mg/L)	BAW-3	0.001	0.00026	0.004	No	24	0.0008727	0.0002908	83.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BAW-7	0.001	0.000185	0.004	No	24	0.000966	0.0001664	95.83	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BAW-3	0.0008257	0.0005538	0.005	No	26	0.0006898	0.0002789	3.846	None	No	0.01	Param.
Cadmium (mg/L)	BAW-5	0.001	0.000155	0.005	No	26	0.0009675	0.0001657	96.15	None	No	0.01	NP (NDs)
Chromium (mg/L)	BAW-3	0.003	0.00165	0.1	No	25	0.002683	0.00343	84	None	No	0.01	NP (NDs)
Chromium (mg/L)	BAW-4	0.002	0.0015	0.1	No	25	0.001926	0.0002211	84	None	No	0.01	NP (NDs)
Chromium (mg/L)	BAW-5	0.0024	0.00175	0.1	No	25	0.002094	0.0006338	84	None	No	0.01	NP (NDs)
Chromium (mg/L)	BAW-7	0.00206	0.00171	0.1	No	25	0.002216	0.001127	88	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BAW-3	0.0073	0.005363	0.006	No	26	0.006331	0.001987	0	None	No	0.01	Param.
Cobalt (mg/L)	BAW-4	0.001432	0.001077	0.006	No	26	0.001255	0.0003644	0	None	No	0.01	Param.
Cobalt (mg/L)	BAW-5	0.000885	0.0005	0.006	No	26	0.0007805	0.0005488	65.38	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BAW-7	0.00141	0.000729	0.006	No	26	0.001264	0.0009916	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	BAW-3	0.857	0.126	5	No	26	0.582	0.6808	7.692	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	BAW-4	0.53	0.085	5	No	26	0.558	0.7598	11.54	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	BAW-5	1.078	0.4525	5	No	25	0.8608	0.7557	4	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BAW-7	0.9959	0.3635	5	No	26	0.7986	0.758	11.54	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BAW-3	0.1	0.0537	4	No	27	0.08792	0.02618	81.48	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BAW-4	0.0657	0.04	4	No	27	0.05688	0.02469	22.22	None	No	0.01	NP (normality)
Fluoride (mg/L)	BAW-5	0.07802	0.0553	4	No	27	0.07049	0.03121	3.704	None	ln(x)	0.01	Param.
Fluoride (mg/L)	BAW-7	0.1	0.0432	4	No	27	0.09039	0.02366	85.19	None	No	0.01	NP (NDs)
Lead (mg/L)	BAW-3	0.001	0.00036	0.015	No	25	0.0007141	0.0003685	60	None	No	0.01	NP (NDs)
Lead (mg/L)	BAW-4	0.001	0.00042	0.015	No	25	0.0008582	0.0002935	80	None	No	0.01	NP (NDs)
Lead (mg/L)	BAW-5	0.001	0.00032	0.015	No	25	0.0009389	0.0002129	92	None	No	0.01	NP (NDs)
Lead (mg/L)	BAW-7	0.001	0.000345	0.015	No	25	0.000939	0.0002136	92	None	No	0.01	NP (NDs)
Lithium (mg/L)	BAW-3	0.005	0.0033	0.04	No	26	0.00437	0.001255	53.85	None	No	0.01	NP (NDs)
Lithium (mg/L)	BAW-4	0.02485	0.01694	0.04	No	26	0.02089	0.008123	0	None	No	0.01	Param.
Lithium (mg/L)	**BAW-5**	**0.1792**	**0.1327**	**0.04**	**Yes**	**26**	**0.1481**	**0.05524**	**0**	**None**	**x^2**	**0.01**	**Param.**
Lithium (mg/L)	BAW-7	0.00555	0.00375	0.04	No	26	0.005013	0.002159	50	None	No	0.01	NP (normality)
Mercury (mg/L)	BAW-3	0.000497	0.000133	0.002	No	22	0.000202	0.00007269	81.82	None	No	0.01	NP (NDs)
Mercury (mg/L)	BAW-4	0.0002	0.000135	0.002	No	22	0.0001881	0.00003247	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	BAW-5	0.0002	0.000134	0.002	No	22	0.0001913	0.00002973	90.91	None	No	0.01	NP (NDs)
Mercury (mg/L)	BAW-7	0.000235	0.000151	0.002	No	22	0.0002364	0.0002176	77.27	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BAW-4	0.005	0.00109	0.1	No	24	0.003582	0.001922	62.5	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BAW-5	0.003815	0.001841	0.1	No	24	0.006168	0.005488	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	BAW-7	0.005	0.0038	0.1	No	24	0.00495	0.0002449	95.83	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	BAW-3	0.005	0.00079	0.05	No	24	0.003516	0.00215	66.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BAW-5	0.005	0.00176	0.05	No	24	0.00467	0.001136	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BAW-7	0.005	0.0021	0.05	No	24	0.004095	0.001832	79.17	None	No	0.01	NP (NDs)
Thallium (mg/L)	BAW-3	0.001	0.000276	0.002	No	24	0.0008589	0.0003238	83.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	BAW-7	0.001	0.000153	0.002	No	24	0.0009647	0.0001729	95.83	None	No	0.01	NP (NDs)

Appendix IV Trend Tests - Confidence Interval Excedances - Significant Results

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/14/2025, 4:27 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Lithium (mg/L)	**BAW-5**	**-0.01437**	**-155**	**-90**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Confidence Interval Exceedances - All Results

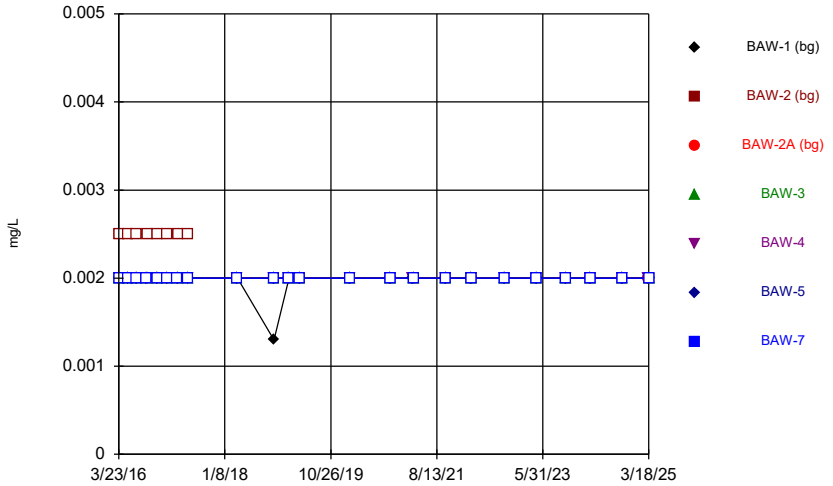
Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/14/2025, 4:27 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Lithium (mg/L)	BAW-1 (bg)	0	-43	-90	No	26	61.54	n/a	n/a	0.05	NP
Lithium (mg/L)	BAW-2 (bg)	0	0	17	No	8	100	n/a	n/a	0.05	NP
Lithium (mg/L)	BAW-2A (bg)	0	6	49	No	17	52.94	n/a	n/a	0.05	NP
Lithium (mg/L)	**BAW-5**	**-0.01437**	**-155**	**-90**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Time Series

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

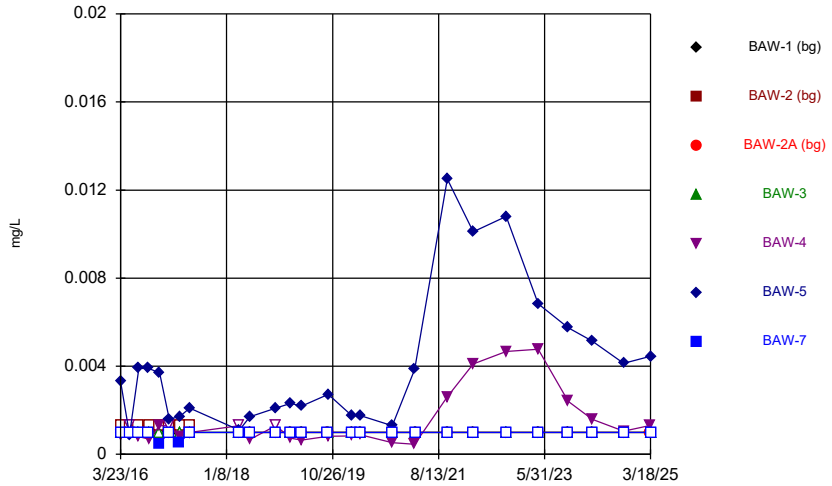
Time Series



Constituent: Antimony Analysis Run 5/14/2025 4:16 PM
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

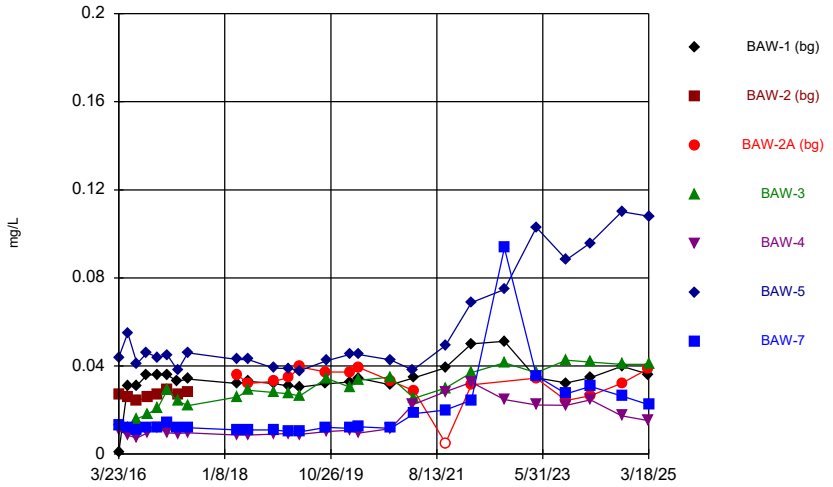
Time Series



Constituent: Arsenic Analysis Run 5/14/2025 4:16 PM
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

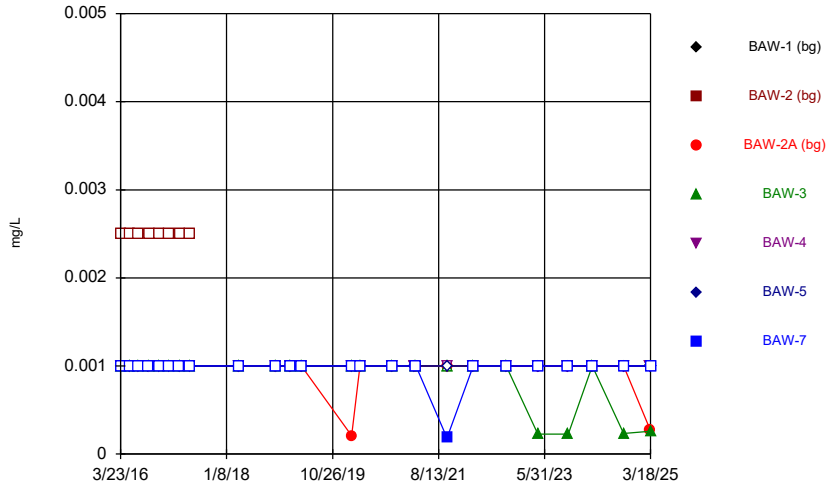
Time Series



Constituent: Barium Analysis Run 5/14/2025 4:16 PM
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

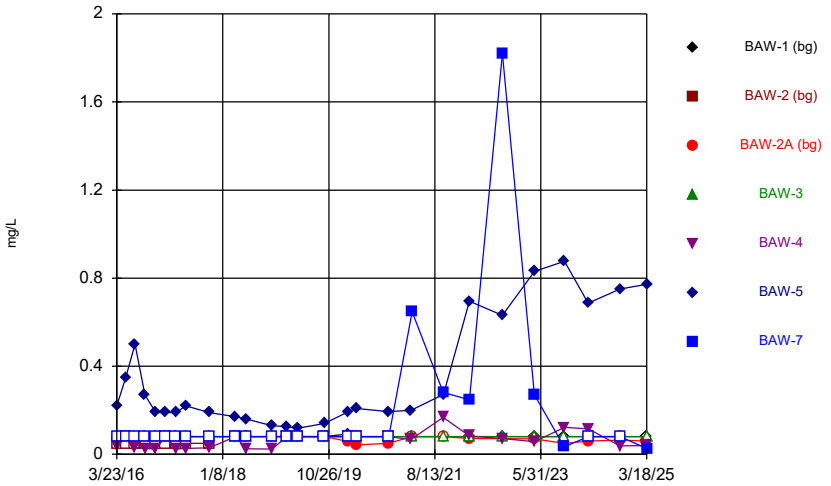
Time Series



Constituent: Beryllium Analysis Run 5/14/2025 4:16 PM
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

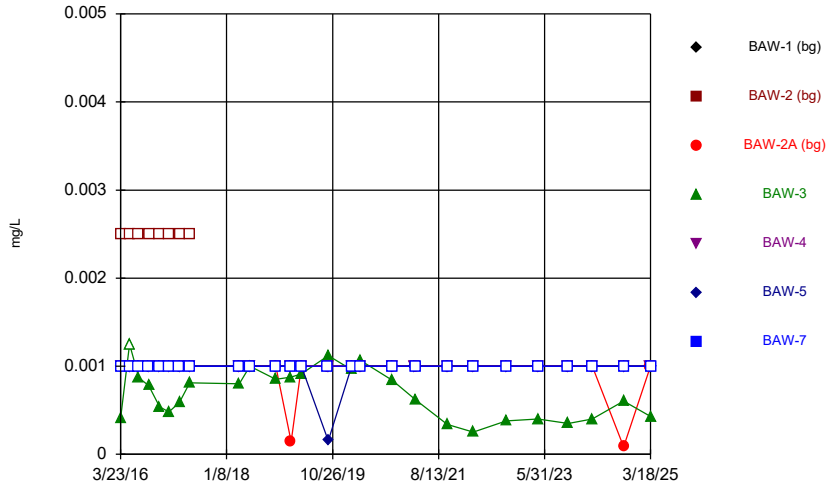
Time Series



Constituent: Boron Analysis Run 5/14/2025 4:16 PM
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

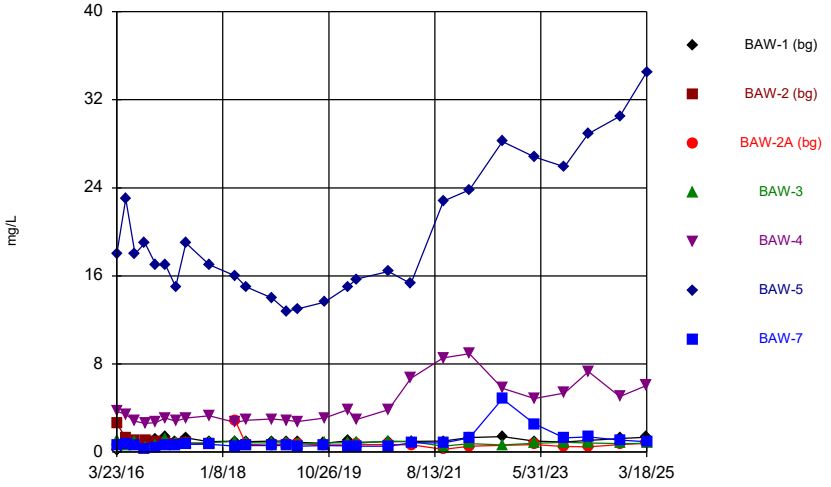
Time Series



Constituent: Cadmium Analysis Run 5/14/2025 4:16 PM
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

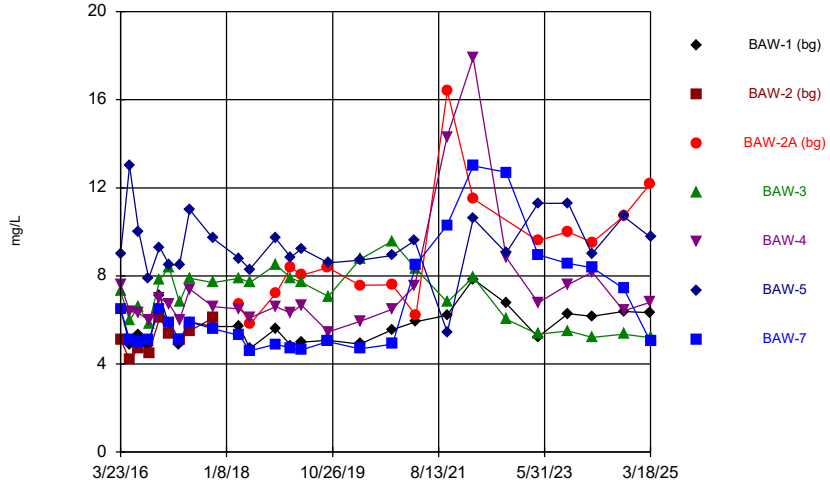
Time Series



Constituent: Calcium Analysis Run 5/14/2025 4:16 PM
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

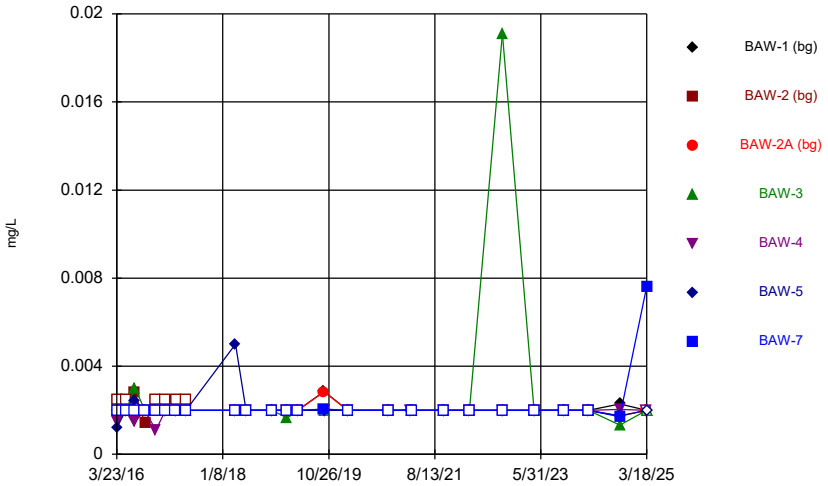
Time Series



Constituent: Chloride Analysis Run 5/14/2025 4:16 PM
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

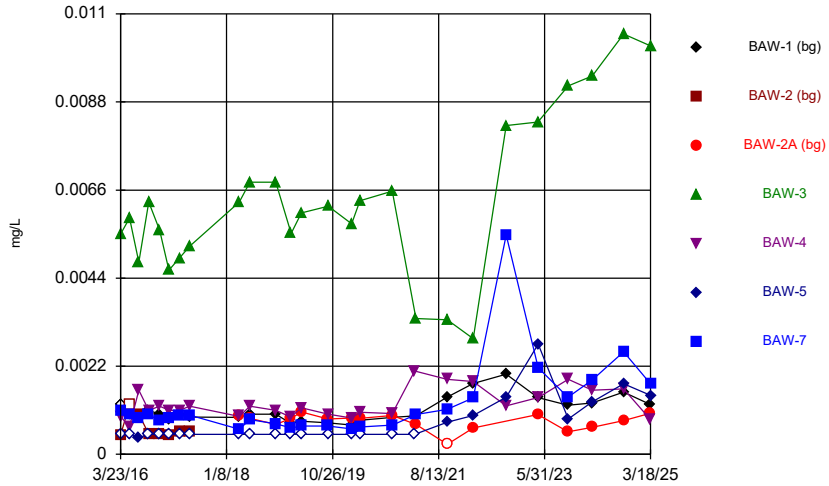
Time Series



Constituent: Chromium Analysis Run 5/14/2025 4:16 PM
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

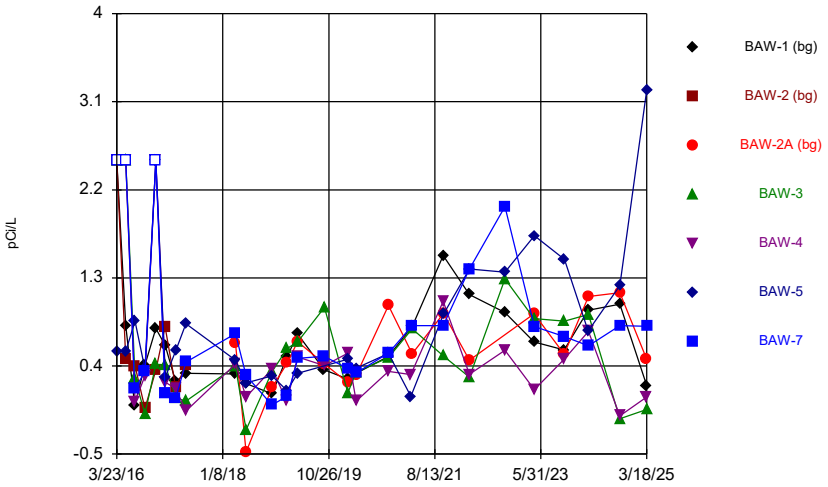
Time Series



Constituent: Cobalt Analysis Run 5/14/2025 4:16 PM
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

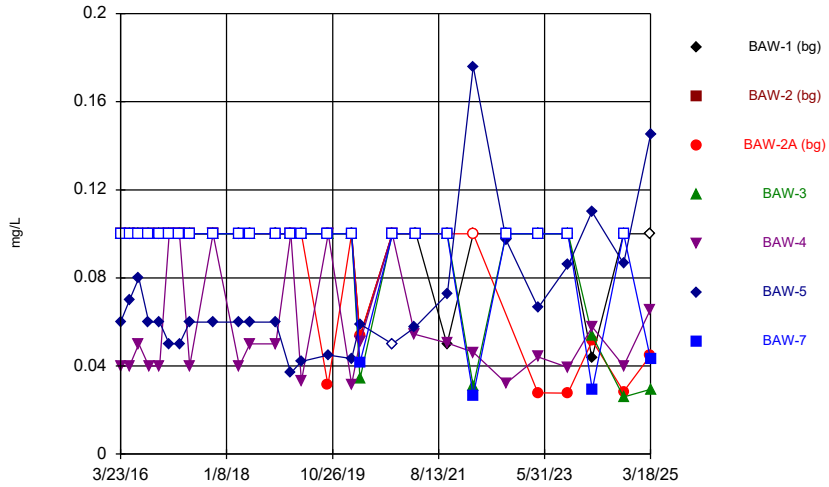
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/14/2025 4:16 PM
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

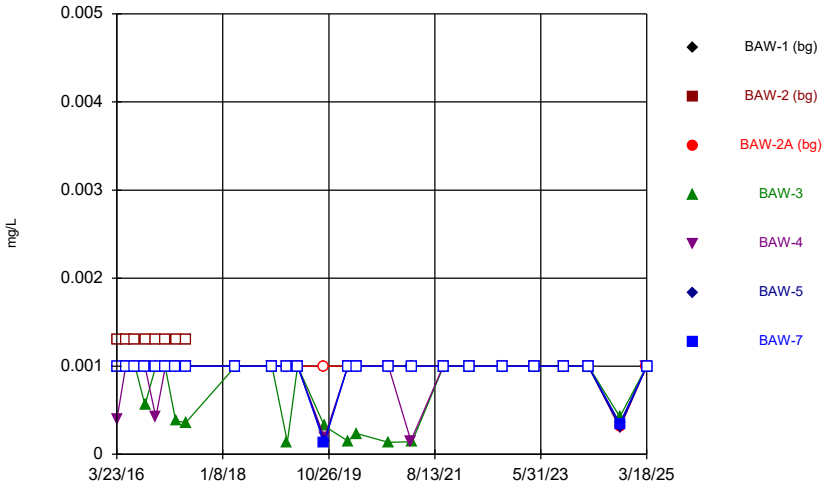
Time Series



Constituent: Fluoride Analysis Run 5/14/2025 4:16 PM
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

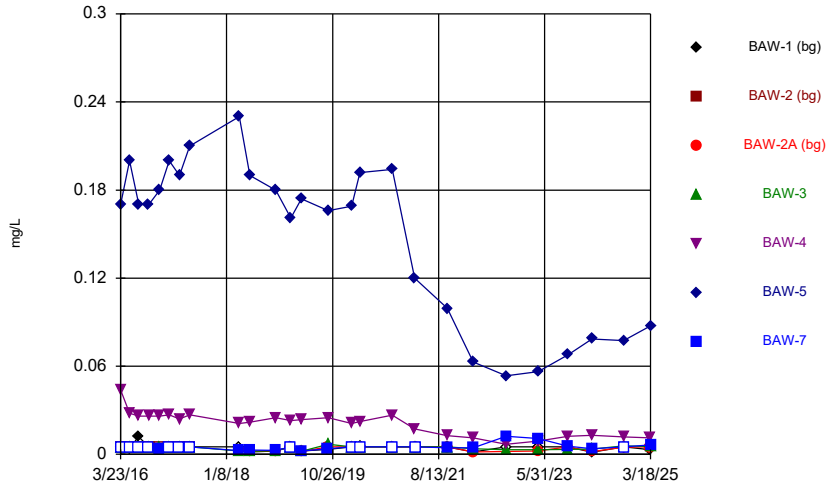
Time Series



Constituent: Lead Analysis Run 5/14/2025 4:16 PM
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

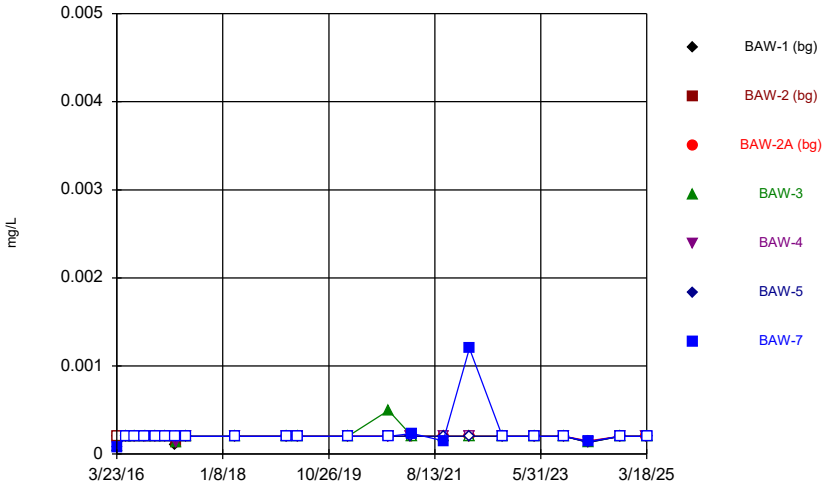
Time Series



Constituent: Lithium Analysis Run 5/14/2025 4:16 PM
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

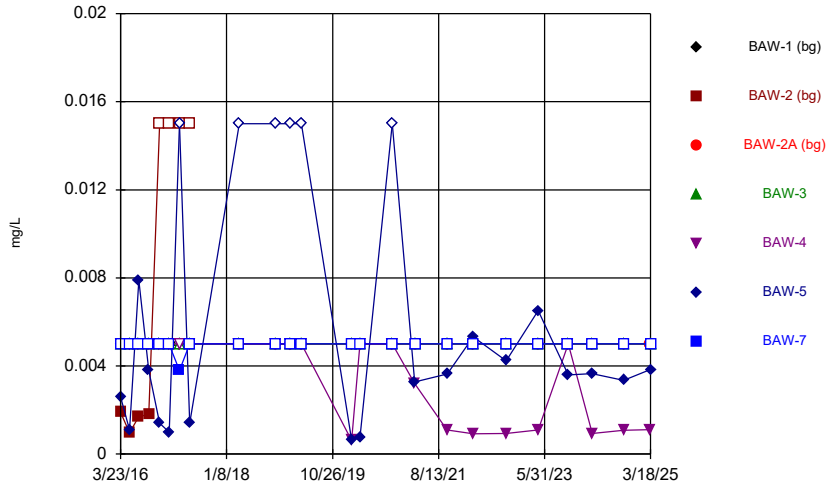
Time Series



Constituent: Mercury Analysis Run 5/14/2025 4:16 PM
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

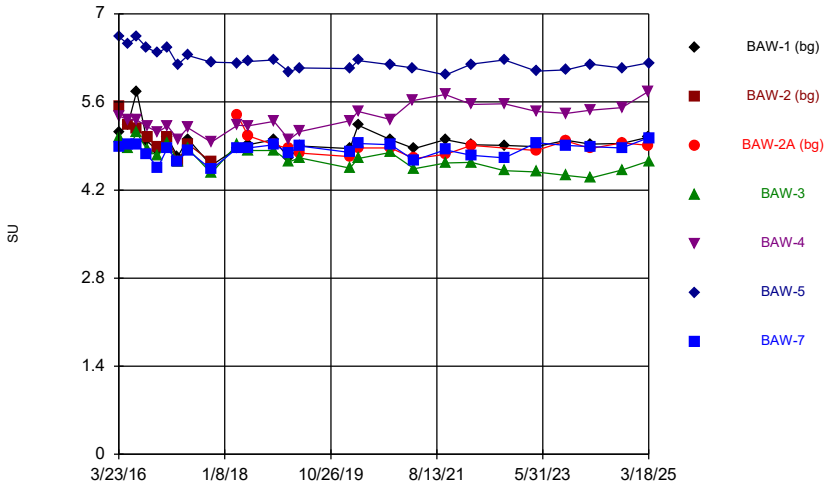
Time Series



Constituent: Molybdenum Analysis Run 5/14/2025 4:17 PM
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series



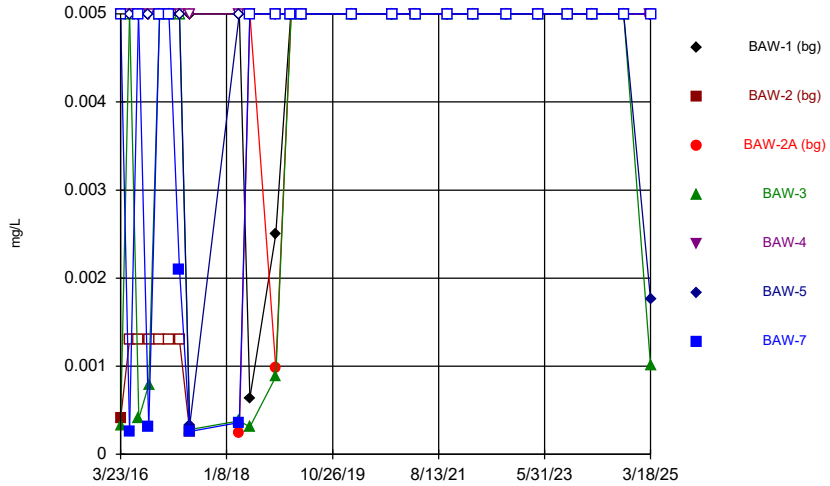
Constituent: pH Analysis Run 5/14/2025 4:17 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series



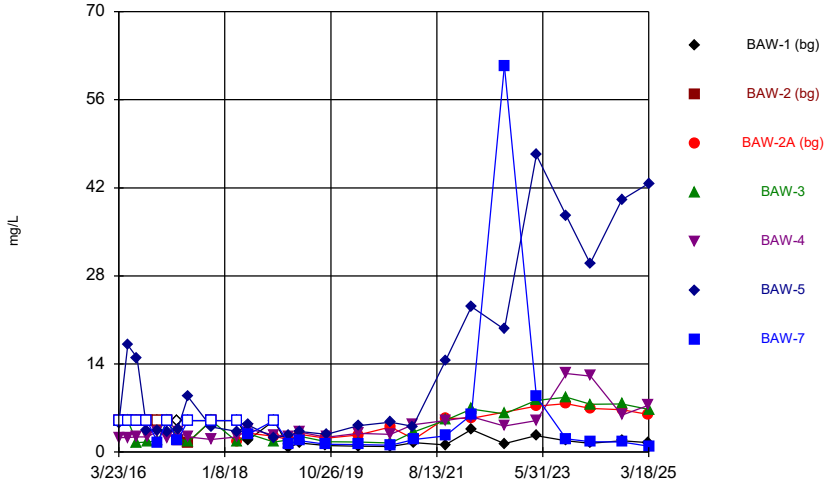
Constituent: Selenium Analysis Run 5/14/2025 4:17 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series



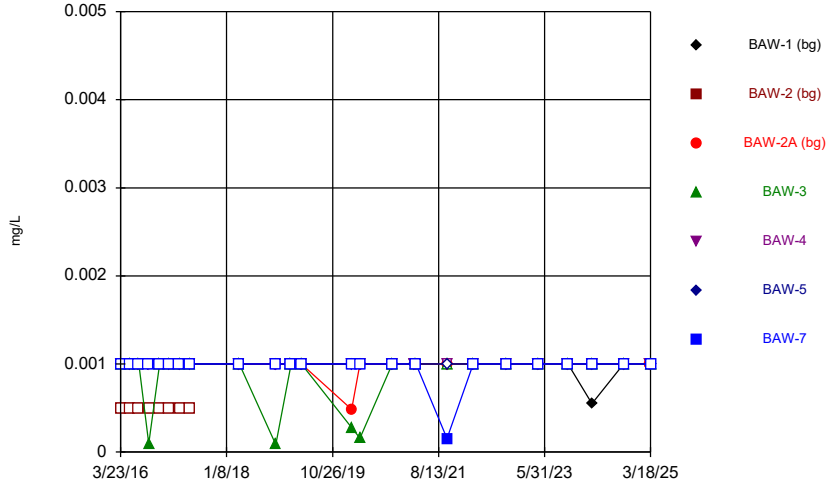
Constituent: Sulfate Analysis Run 5/14/2025 4:17 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series

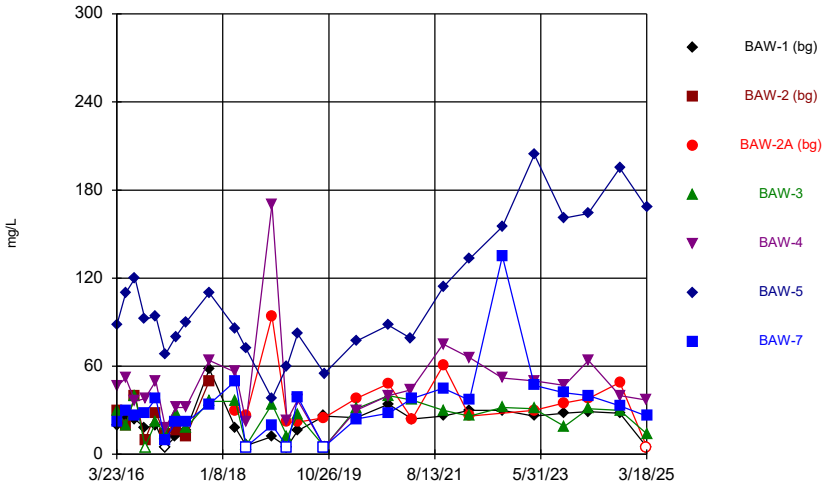


Constituent: Thallium Analysis Run 5/14/2025 4:17 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 5/14/2025 4:17 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.002	<0.0025		<0.002	<0.002	<0.002	<0.002
5/17/2016	<0.002				<0.002	<0.002	<0.002
5/18/2016		<0.0025		<0.002			
7/12/2016	<0.002						<0.002
7/13/2016		<0.0025		<0.002	<0.002	<0.002	
9/13/2016	<0.002					<0.002	<0.002
9/14/2016		<0.0025		<0.002	<0.002		
11/19/2016	<0.002	<0.0025		<0.002	<0.002	<0.002	<0.002
1/17/2017	<0.002	<0.0025		<0.002			<0.002
1/18/2017					<0.002	<0.002	
3/22/2017	<0.002						<0.002
3/23/2017		<0.0025		<0.002	<0.002	<0.002	
5/24/2017	<0.002	<0.0025		<0.002	<0.002	<0.002	<0.002
3/28/2018	<0.002		<0.002	<0.002	<0.002	<0.002	
3/29/2018							<0.002
11/8/2018	0.0013 (J)			<0.002	<0.002		
11/9/2018			<0.002			<0.002	<0.002
2/11/2019	<0.002				<0.002	<0.002	
2/12/2019			<0.002	<0.002			<0.002
4/17/2019	<0.002		<0.002	<0.002	<0.002	<0.002	
4/18/2019							<0.002
2/21/2020	<0.002		<0.002	<0.002			<0.002
2/22/2020					<0.002	<0.002	
10/30/2020	<0.002		<0.002	<0.002	<0.002	<0.002	
11/2/2020							<0.002
3/17/2021					<0.002	<0.002	
3/26/2021	<0.002		<0.002	<0.002			<0.002
10/5/2021	<0.002				<0.002		<0.002
10/6/2021			<0.002	<0.002		<0.002	
3/16/2022	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002
10/5/2022	<0.002			<0.002	<0.002		
10/6/2022						<0.002	<0.002
4/20/2023	<0.002		<0.002	<0.002			
4/21/2023					<0.002	<0.002	<0.002
10/24/2023	<0.002		<0.002				<0.002
10/25/2023				<0.002	<0.002	<0.002	
3/20/2024	<0.002					<0.002	
3/21/2024			<0.002	<0.002	<0.002		<0.002
10/2/2024	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002
3/17/2025	<0.002		<0.002		<0.002		
3/18/2025				<0.002		<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.001	<0.0013		<0.001	0.00087 (J)	0.0033	<0.001
5/17/2016	<0.001				<0.0013	0.00089 (J)	<0.001
5/18/2016		<0.0013		<0.001			
7/12/2016	<0.001						<0.001
7/13/2016		<0.0013		<0.001	0.00081 (J)	0.0039	
9/13/2016	<0.001					0.0039	<0.001
9/14/2016		<0.0013		<0.001	0.00069 (J)		
11/19/2016	<0.001	<0.0013		<0.001	0.0013	0.0037	0.0005 (J)
1/17/2017	<0.001	<0.0013		<0.001			<0.001
1/18/2017					<0.0013	0.0016	
3/22/2017	<0.001						0.00052 (J)
3/23/2017		<0.0013		<0.001	0.00078 (J)	0.0017	
5/24/2017	<0.001	<0.0013		<0.001	0.001 (J)	0.0021	<0.001
3/28/2018	<0.001		<0.001	<0.001	<0.0013	0.0011 (J)	
3/29/2018							<0.001
6/2/2018	<0.001		<0.001	<0.001	0.00068 (J)	0.0017	<0.001
11/8/2018	<0.001			<0.001	<0.0013		
11/9/2018			<0.001			0.0021	<0.001
2/11/2019	<0.001				0.000737 (J)	0.00232	
2/12/2019			<0.001	<0.001			<0.001
4/17/2019	<0.001		<0.001	<0.001	0.000645 (J)	0.00218	
4/18/2019							<0.001
9/27/2019	<0.001		<0.001				<0.001
9/30/2019				<0.001	0.000821 (J)	0.00272	
2/21/2020	<0.001		<0.001	<0.001			<0.001
2/22/2020					0.000837 (J)	0.00177	
4/14/2020	<0.001		<0.001	<0.001	0.000896 (J)	0.00177	<0.001
10/30/2020	<0.001		<0.001	<0.001	0.000529 (J)	0.0013	
11/2/2020							<0.001
3/17/2021					0.000454 (J)	0.00385	
3/26/2021	<0.001		<0.001	<0.001			<0.001
10/5/2021	<0.001				0.00259		<0.001
10/6/2021			<0.001	<0.001		0.0125	
3/16/2022	<0.001		<0.001	<0.001	0.00411	0.0101	<0.001
10/5/2022	<0.001			<0.001	0.00467		
10/6/2022						0.0108	<0.001
4/20/2023	<0.001		<0.001	<0.001			
4/21/2023					0.00477	0.00683	<0.001
10/24/2023	<0.001		<0.001				<0.001
10/25/2023				<0.001	0.00241	0.00575	
3/20/2024	<0.001					0.00515	
3/21/2024			<0.001	<0.001	0.00159		<0.001
10/2/2024	<0.001		<0.001	<0.001	0.00105	0.00414	<0.001
3/17/2025	<0.001		<0.001		0.00132		
3/18/2025				<0.001		0.00445	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	0.00084 (J)	0.027		0.013	0.011	0.044	0.013
5/17/2016	0.031				0.0085	0.055	0.012
5/18/2016		0.026		0.012			
7/12/2016	0.031						0.011
7/13/2016		0.024		0.016	0.0073	0.041	
9/13/2016	0.036					0.046	0.012
9/14/2016		0.026		0.018	0.0095		
11/19/2016	0.036	0.027		0.021	0.012	0.044	0.012
1/17/2017	0.036	0.029		0.029			0.014
1/18/2017					0.0096	0.045	
3/22/2017	0.033						0.012
3/23/2017		0.027		0.024	0.0093	0.038	
5/24/2017	0.034	0.028		0.022	0.0096	0.046	0.012
3/28/2018	0.032		0.036	0.026	0.0086	0.043	
3/29/2018							0.011
6/2/2018	0.033		0.032	0.029	0.0087	0.043	0.011
11/8/2018	0.032			0.028	0.0091		
11/9/2018			0.033			0.039	0.011
2/11/2019	0.0308				0.00931	0.0388	
2/12/2019			0.0348	0.0274			0.0102
4/17/2019	0.0305		0.0396	0.0263	0.00888	0.0378	
4/18/2019							0.0101
9/27/2019	0.0319		0.0373				0.0121
9/30/2019				0.0343	0.0103	0.0424	
2/21/2020	0.0327		0.0373	0.0304			0.0117
2/22/2020					0.0108	0.0453	
4/14/2020	0.0345		0.0394	0.0335	0.00949 (J)	0.0452	0.0124
10/30/2020	0.0314		0.0334	0.0349	0.0116	0.0428	
11/2/2020							0.0117
3/17/2021					0.0224	0.0382	
3/26/2021	0.0347		0.0287	0.0253			0.0184
10/5/2021	0.0391				0.0283		0.02
10/6/2021			<0.01	0.03		0.0493	
3/16/2022	0.05		0.0314	0.037	0.0326	0.0688	0.0245
10/5/2022	0.0512			0.0415	0.0248		
10/6/2022						0.0747	0.0937
4/20/2023	0.0347		0.0345	0.0369			
4/21/2023					0.0223	0.103	0.0355
10/24/2023	0.0323		0.0244				0.0274
10/25/2023				0.0427	0.0221	0.0883	
3/20/2024	0.0347					0.0958	
3/21/2024			0.0265	0.0418	0.0246		0.0307
10/2/2024	0.0399		0.0322	0.0407	0.0174	0.11	0.0264
3/17/2025	0.0362		0.0388		0.0152		
3/18/2025				0.0408		0.108	0.0225

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.001	<0.0025		<0.001	<0.001	<0.001	<0.001
5/17/2016	<0.001				<0.001	<0.001	<0.001
5/18/2016		<0.0025		<0.001			
7/12/2016	<0.001						<0.001
7/13/2016		<0.0025		<0.001	<0.001	<0.001	
9/13/2016	<0.001					<0.001	<0.001
9/14/2016		<0.0025		<0.001	<0.001		
11/19/2016	<0.001	<0.0025		<0.001	<0.001	<0.001	<0.001
1/17/2017	<0.001	<0.0025		<0.001			<0.001
1/18/2017					<0.001	<0.001	
3/22/2017	<0.001						<0.001
3/23/2017		<0.0025		<0.001	<0.001	<0.001	
5/24/2017	<0.001	<0.0025		<0.001	<0.001	<0.001	<0.001
3/28/2018	<0.001		<0.001	<0.001	<0.001	<0.001	
3/29/2018							<0.001
11/8/2018	<0.001			<0.001	<0.001		
11/9/2018			<0.001			<0.001	<0.001
2/11/2019	<0.001				<0.001	<0.001	
2/12/2019			<0.001	<0.001			<0.001
4/17/2019	<0.001		<0.001	<0.001	<0.001	<0.001	
4/18/2019							<0.001
2/21/2020	<0.001		0.000207 (J)	<0.001			<0.001
2/22/2020					<0.001	<0.001	
4/14/2020	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
10/30/2020	<0.001		<0.001	<0.001	<0.001	<0.001	
11/2/2020							<0.001
3/17/2021					<0.001	<0.001	
3/26/2021	<0.001		<0.001	<0.001			<0.001
10/5/2021	<0.001				<0.001		0.000185 (J)
10/6/2021			<0.001	<0.001		<0.001	
3/16/2022	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
10/5/2022	<0.001			<0.001	<0.001		
10/6/2022						<0.001	<0.001
4/20/2023	<0.001		<0.001	0.000225 (J)			
4/21/2023					<0.001	<0.001	<0.001
10/24/2023	<0.001		<0.001				<0.001
10/25/2023				0.000225 (J)	<0.001	<0.001	
3/20/2024	<0.001					<0.001	
3/21/2024			<0.001	<0.001	<0.001		<0.001
10/2/2024	<0.001		<0.001	0.000235 (J)	<0.001	<0.001	<0.001
3/17/2025	<0.001		0.000265 (J)		<0.001		
3/18/2025				0.00026 (J)		<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.08	<0.05		<0.08	0.037 (J)	0.22	<0.08
5/17/2016	<0.08				<0.08	0.35	<0.08
5/18/2016		<0.05		<0.08			
7/12/2016	<0.08						<0.08
7/13/2016		<0.05		<0.08	0.032 (J)	0.5	
9/13/2016	<0.08					0.27	<0.08
9/14/2016		<0.05		<0.08	0.027 (J)		
11/19/2016	<0.08	<0.05		<0.08	0.024 (J)	0.19	<0.08
1/17/2017	<0.08	<0.05		<0.08			<0.08
1/18/2017					<0.08	0.19	
3/22/2017	<0.08						<0.08
3/23/2017		<0.05		<0.08	0.024 (J)	0.19	
5/24/2017	<0.08	<0.05		<0.08	0.027 (J)	0.22	<0.08
10/16/2017	<0.08	<0.05		<0.08	0.03 (J)	0.19	<0.08
3/28/2018	<0.08		<0.08	<0.08	<0.08	0.17	
3/29/2018							<0.08
6/2/2018	<0.08		<0.08	<0.08	0.025 (J)	0.16	<0.08
11/8/2018	<0.08			<0.08	0.024 (J)		
11/9/2018			<0.08			0.13	<0.08
2/11/2019	<0.08				<0.08	0.126	
2/12/2019			<0.08	<0.08			<0.08
4/17/2019	<0.08		<0.08	<0.08	<0.08	0.118	
4/18/2019							<0.08
9/27/2019	<0.08		<0.08				<0.08
9/30/2019				<0.08	<0.08	0.14	
2/21/2020	0.0928		0.0589 (J)	<0.08			<0.08
2/22/2020					<0.08	0.193	
4/14/2020	<0.08		0.0424 (J)	<0.08	<0.08	0.209	<0.08
10/30/2020	<0.08		0.0495 (J)	<0.08	<0.08	0.194	
11/2/2020							<0.08
3/17/2021					0.0673 (J)	0.2	
3/26/2021	<0.08		<0.08	<0.08			0.647
10/5/2021	<0.08				0.168		0.281
10/6/2021			<0.08	<0.08		0.272	
3/16/2022	<0.08		0.0717 (J)	<0.08	0.084	0.695	0.247
10/5/2022	<0.08			<0.08	0.0714 (J)		
10/6/2022						0.631	1.82
4/20/2023	<0.08		0.0711 (J)	<0.08			
4/21/2023					0.058 (J)	0.831	0.271
10/24/2023	<0.08		0.0502 (J)				0.0336 (J)
10/25/2023				<0.08	0.122	0.877	
3/20/2024	<0.08					0.686	
3/21/2024			0.0604 (J)	<0.08	0.115		<0.08
10/2/2024	<0.08		0.0647 (J)	<0.08	0.0389 (J)	0.751	<0.08
3/17/2025	<0.08		0.0608 (J)		0.0398 (J)		
3/18/2025				<0.08		0.772	0.027 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.001	<0.0025		0.00041 (J)	<0.001	<0.001	<0.001
5/17/2016	<0.001				<0.001	<0.001	<0.001
5/18/2016		<0.0025		<0.0025			
7/12/2016	<0.001						<0.001
7/13/2016		<0.0025		0.00087 (J)	<0.001	<0.001	
9/13/2016	<0.001					<0.001	<0.001
9/14/2016		<0.0025		0.00078 (J)	<0.001		
11/19/2016	<0.001	<0.0025		0.00054 (J)	<0.001	<0.001	<0.001
1/17/2017	<0.001	<0.0025		0.00048 (J)			<0.001
1/18/2017					<0.001	<0.001	
3/22/2017	<0.001						<0.001
3/23/2017		<0.0025		0.00059 (J)	<0.001	<0.001	
5/24/2017	<0.001	<0.0025		0.00081 (J)	<0.001	<0.001	<0.001
3/28/2018	<0.001		<0.001	0.0008 (J)	<0.001	<0.001	
3/29/2018							<0.001
6/2/2018	<0.001		<0.001	0.001 (J)	<0.001	<0.001	<0.001
11/8/2018	<0.001			0.00085 (J)	<0.001		
11/9/2018			<0.001			<0.001	<0.001
2/11/2019	<0.001				<0.001	<0.001	
2/12/2019			0.000143 (J)	0.000877 (J)			<0.001
4/17/2019	<0.001		<0.001	0.000915 (J)	<0.001	<0.001	
4/18/2019							<0.001
9/27/2019	<0.001		<0.001				<0.001
9/30/2019				0.00112 (J)	<0.001	0.000155 (J)	
2/21/2020	<0.001		<0.001	0.000962 (J)			<0.001
2/22/2020					<0.001	<0.001	
4/14/2020	<0.001		<0.001	0.00107 (J)	<0.001	<0.001	<0.001
10/30/2020	<0.001		<0.001	0.00084 (J)	<0.001	<0.001	
11/2/2020							<0.001
3/17/2021					<0.001	<0.001	
3/26/2021	<0.001		<0.001	0.000615 (J)			<0.001
10/5/2021	<0.001				<0.001		<0.001
10/6/2021			<0.001	0.000338 (J)		<0.001	
3/16/2022	<0.001		<0.001	0.000252 (J)	<0.001	<0.001	<0.001
10/5/2022	<0.001			0.000379 (J)	<0.001		
10/6/2022						<0.001	<0.001
4/20/2023	<0.001		<0.001	0.0004 (J)			
4/21/2023					<0.001	<0.001	<0.001
10/24/2023	<0.001		<0.001				<0.001
10/25/2023				0.00035 (J)	<0.001	<0.001	
3/20/2024	<0.001					<0.001	
3/21/2024			<0.001	0.000401 (J)	<0.001		<0.001
10/2/2024	<0.001		8.5E-05 (J)	0.000605 (J)	<0.001	<0.001	<0.001
3/17/2025	<0.001		<0.001		<0.001		
3/18/2025				0.00043 (J)		<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.25	2.6		1.1	3.7	18	0.65
5/17/2016	0.84				3.4	23	0.68
5/18/2016		1.3		0.56			
7/12/2016	0.79						0.62
7/13/2016		1.1		0.95	2.8	18	
9/13/2016	0.42					19	0.25
9/14/2016		1.1		0.4	2.6		
11/19/2016	1.2	1		0.62	2.7	17	0.36
1/17/2017	1.4	0.87		1.2			0.66
1/18/2017					3.1	17	
3/22/2017	0.95						0.65
3/23/2017		0.74		0.87	2.8	15	
5/24/2017	1.3	0.84		0.81	3.1	19	0.72
10/16/2017	0.93	0.76		0.86	3.3	17	0.7
3/28/2018	1		2.8	0.97	2.7	16	
3/29/2018							0.55
6/2/2018	0.93		0.71	0.86	2.9	15	0.6
11/8/2018	1			0.84	3		
11/9/2018			0.61			14	0.59
2/11/2019	1				2.88	12.8	
2/12/2019			0.757	0.856			0.608
4/17/2019	0.893		0.755	0.711	2.77	13	
4/18/2019							0.55
9/27/2019	0.8		0.663				0.598
9/30/2019				0.826	3.08	13.6	
2/21/2020	1.02		0.648	0.841			0.552
2/22/2020					3.86	15	
4/14/2020	0.887		0.67	0.811	2.95	15.7	0.532
10/30/2020	0.945		0.672	1	3.84	16.4	
11/2/2020							0.535
3/17/2021					6.69	15.3	
3/26/2021	0.965		0.644	0.937			0.848
10/5/2021	0.996				8.57		0.829
10/6/2021			<0.5	0.532		22.8	
3/16/2022	1.32		0.539	0.78	8.94	23.8	1.28
10/5/2022	1.42			0.647	5.81		
10/6/2022						28.2	4.84
4/20/2023	0.996		0.685	0.789			
4/21/2023					4.87	26.8	2.56
10/24/2023	0.918		0.498 (J)				1.3
10/25/2023				0.875	5.35	25.9	
3/20/2024	1.05					28.9	
3/21/2024			0.469 (J)	0.818	7.31		1.38
10/2/2024	1.24		0.681	0.781	5.03	30.5	1.08
3/17/2025	1.34		0.795		6.06		
3/18/2025				0.799		34.5	0.94

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	6.5	5.1		7.3	7.6	9	6.5
5/17/2016	4.9				6.4	13	5.1
5/18/2016		4.2		6			
7/12/2016	5.3						5
7/13/2016		4.7		6.6	6.3	10	
9/13/2016	4.8 (F1)					7.9	5.1
9/14/2016		4.5		5.8	6		
11/19/2016	7.1	6.1		7.8	7	9.3	6.5
1/17/2017	5.8	5.4		8.4			5.9
1/18/2017					6.7	8.5	
3/22/2017	4.9						5.1
3/23/2017		5.1		6.8	6	8.5	
5/24/2017	5.9	5.5		7.9	7.4	11	5.9
10/16/2017	5.7	6.1		7.7	6.6	9.7	5.6
3/28/2018	5.7		6.7	7.9	6.5	8.8	
3/29/2018							5.3
6/2/2018	4.7		5.8	7.7	6.1	8.3	4.6
11/8/2018	5.6			8.5	6.6		
11/9/2018			7.2			9.7	4.9
2/11/2019	4.84				6.31	8.84	
2/12/2019			8.4	7.89			4.72
4/17/2019	4.99		8.03	7.71	6.68	9.24	
4/18/2019							4.64
9/27/2019	5.08		8.37				5.02
9/30/2019				7.07	5.45	8.59	
4/14/2020	4.91		7.57	8.75	5.93	8.71	4.68
10/30/2020	5.55		7.59	9.58	6.49	8.93	
11/2/2020							4.91
3/17/2021					7.55	9.6	
3/26/2021	5.92		6.21	8.32			8.5
10/5/2021	6.21				14.3		10.3
10/6/2021			16.4	6.8		5.44	
3/16/2022	7.85		11.5	7.94	17.9	10.6	13
10/5/2022	6.75			6.04	8.84		
10/6/2022						9.04	12.7
4/20/2023	5.22		9.6	5.36			
4/21/2023					6.78	11.3	8.95
10/24/2023	6.29		10				8.57
10/25/2023				5.5	7.6	11.3	
3/20/2024	6.17					9	
3/21/2024			9.52	5.21	8.17		8.37
10/2/2024	6.38		10.7	5.35	6.42	10.7	7.43
3/17/2025	6.32		12.2		6.8		
3/18/2025				5.19		9.76	5.02

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.002	<0.0025		<0.002	0.0015 (J)	0.0012 (J)	<0.002
5/17/2016	<0.002				<0.002	<0.002	<0.002
5/18/2016		<0.0025		<0.002			
7/12/2016	<0.002						<0.002
7/13/2016		0.0028		0.003	0.0015 (J)	0.0024 (J)	
9/13/2016	<0.002					<0.002	<0.002
9/14/2016		0.0014 (J)		<0.002	<0.002		
11/19/2016	<0.002	<0.0025		<0.002	0.0011 (J)	<0.002	<0.002
1/17/2017	<0.002	<0.0025		<0.002			<0.002
1/18/2017					<0.002	<0.002	
3/22/2017	<0.002						<0.002
3/23/2017		<0.0025		<0.002	<0.002	<0.002	
5/24/2017	<0.002	<0.0025		<0.002	<0.002	<0.002	<0.002
3/28/2018	<0.002		<0.002	<0.002	<0.002	0.005	
3/29/2018							<0.002
6/2/2018	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002
11/8/2018	<0.002			<0.002	<0.002		
11/9/2018			<0.002			<0.002	<0.002
2/11/2019	<0.002				<0.002	<0.002	
2/12/2019			<0.002	0.00165 (J)			<0.002
4/17/2019	<0.002		<0.002	<0.002	<0.002	<0.002	
4/18/2019							<0.002
9/27/2019	0.00286		0.00284				0.00206 (J)
9/30/2019				<0.002	<0.002	<0.002	
2/21/2020	<0.002		<0.002	<0.002			<0.002
2/22/2020					<0.002	<0.002	
10/30/2020	<0.002		<0.002	<0.002	<0.002	<0.002	
11/2/2020							<0.002
3/17/2021					<0.002	<0.002	
3/26/2021	<0.002		<0.002	<0.002			<0.002
10/5/2021	<0.002				<0.002		<0.002
10/6/2021			<0.002	<0.002		<0.002	
3/16/2022	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002
10/5/2022	<0.002			0.0191	<0.002		
10/6/2022						<0.002	<0.002
4/20/2023	<0.002		<0.002	<0.002			
4/21/2023					<0.002	<0.002	<0.002
10/24/2023	<0.002		<0.002				<0.002
10/25/2023				<0.002	<0.002	<0.002	
3/20/2024	<0.002					<0.002	
3/21/2024			<0.002	<0.002	<0.002		<0.002
10/2/2024	0.00229		0.00173 (J)	0.00133 (J)	0.00204	0.00175 (J)	0.00171 (J)
3/17/2025	<0.002		<0.002		<0.002		
3/18/2025				<0.002		<0.002	0.00762

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.0025	0.00048 (J)		0.0055	0.00094 (J)	<0.0005	0.0011 (J)
5/17/2016	0.00099 (J)				0.0007 (J)	<0.0005	0.001 (J)
5/18/2016		<0.0025		0.0059			
7/12/2016	0.00093 (J)						0.00091 (J)
7/13/2016		0.001 (J)		0.0048	0.0016 (J)	0.00042 (J)	
9/13/2016	0.0011 (J)					<0.0005	0.001 (J)
9/14/2016		0.00051 (J)		0.0063	0.0011 (J)		
11/19/2016	0.001 (J)	0.0005 (J)		0.0056	0.0012 (J)	<0.0005	0.00083 (J)
1/17/2017	0.00088 (J)	0.00049 (J)		0.0046			0.00091 (J)
1/18/2017					0.0011 (J)	<0.0005	
3/22/2017	0.001 (J)						0.00098 (J)
3/23/2017		0.00057 (J)		0.0049	0.0011 (J)	<0.0005	
5/24/2017	0.00093 (J)	0.00057 (J)		0.0052	0.0012 (J)	<0.0005	0.00098 (J)
3/28/2018	0.00092 (J)		0.00098 (J)	0.0063	0.00095 (J)	<0.0005	
3/29/2018							0.00063 (J)
6/2/2018	0.001 (J)		0.0009 (J)	0.0068	0.0012 (J)	<0.0005	0.00087 (J)
11/8/2018	0.001 (J)			0.0068	0.0011 (J)		
11/9/2018			0.00075 (J)			<0.0005	0.00076 (J)
2/11/2019	0.000768 (J)				0.00093 (J)	<0.0005	
2/12/2019			0.000896 (J)	0.00552			0.000661 (J)
4/17/2019	0.000825 (J)		0.00106 (J)	0.00603	0.00116 (J)	<0.0005	
4/18/2019							0.000705 (J)
9/27/2019	0.000783 (J)		0.000885 (J)				0.00071 (J)
9/30/2019				0.0062	0.001 (J)	<0.0005	
2/21/2020	0.00073 (J)		0.000909 (J)	0.00576			0.000634 (J)
2/22/2020					0.000907 (J)	<0.0005	
4/14/2020	0.000853 (J)		0.000899 (J)	0.00633	0.00105 (J)	<0.0005	0.000684 (J)
10/30/2020	0.000924 (J)		0.000972 (J)	0.00657	0.00102 (J)	<0.0005	
11/2/2020							0.000729 (J)
3/17/2021					0.00208	<0.0005	
3/26/2021	0.000961		0.000744	0.00339			0.000995
10/5/2021	0.00143				0.00187		0.00112
10/6/2021			<0.0005	0.00336		0.000802	
3/16/2022	0.00177		0.000658	0.00289	0.00182	0.000967	0.00141
10/5/2022	0.002			0.00821	0.00121		
10/6/2022						0.00143	0.00548
4/20/2023	0.00142		0.000995	0.0083			
4/21/2023					0.00142	0.00275	0.00216
10/24/2023	0.00123		0.000565				0.00143
10/25/2023				0.0092	0.00187	0.000885	
3/20/2024	0.00128					0.00131	
3/21/2024			0.000677	0.00945	0.0016		0.00186
10/2/2024	0.00155		0.000845	0.0105	0.00163	0.00176	0.00256
3/17/2025	0.00124		0.00103		0.000865		
3/18/2025				0.0102		0.00147	0.00176

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<5	<5		<5	<5	0.549	<5
5/17/2016	0.813				<5	0.551	<5
5/18/2016		0.471		<5			
7/12/2016	-0.00163 (U)						0.165 (U)
7/13/2016		0.401		0.27 (U)	0.0365 (U)	0.859	
9/13/2016	0.41 (U)					0.367 (U)	0.341 (U)
9/14/2016		-0.033 (U)		-0.0909 (U)	0.3 (U)		
11/19/2016	0.783	0.358		0.416	<5 (U)	<5 (U)	<5 (U)
1/17/2017	0.613	0.799		0.412 (U)			0.124 (U)
1/18/2017					0.235 (U)	0.289 (U)	
3/22/2017	0.241 (U)						0.0719 (U)
3/23/2017		0.182 (U)		0.0761 (U)	0.168 (U)	0.554	
5/24/2017	0.325	0.404		0.0415 (U)	-0.0607 (U)	0.831	0.441
3/28/2018	0.318 (U)		0.629	0.398	0.42	0.458	
3/29/2018							0.731
6/2/2018	0.222 (U)		-0.478 (U)	-0.253 (U)	0.0844 (U)	0.226 (U)	0.303 (U)
11/8/2018	0.117 (U)			0.343 (U)	0.367 (U)		
11/9/2018			0.179 (U)			0.298 (U)	0.00226 (U)
2/11/2019	0.493				0.0402 (U)	0.15 (U)	
2/12/2019			0.432	0.581			0.094 (U)
4/17/2019	0.729		0.648	0.646	0.493	0.326 (U)	
4/18/2019							0.48
9/27/2019	0.36 (U)		0.422 (U)				0.497
9/30/2019				1	0.404		
2/21/2020	0.268 (U)		0.23 (U)	0.126 (U)			0.375
2/22/2020					0.53	0.47	
4/14/2020	0.324 (U)		0.307 (U)	0.338	0.0408 (U)	0.376 (U)	0.329 (U)
10/30/2020	0.497		1.02	0.485	0.344	0.528	
11/2/2020							0.535
3/17/2021					0.312 (U)	0.0889 (U)	
3/26/2021	0.804		0.526	0.78			0.813
10/5/2021	1.53				1.06		0.814
10/6/2021			0.937	0.503		0.931	
3/16/2022	1.13		0.458	0.286 (U)	0.314 (U)	1.39	1.39
10/21/2022	0.946			1.29	0.562 (U)	1.36	2.03
4/20/2023	0.647		0.935	0.884			
4/21/2023					0.158 (U)	1.73	0.802
10/24/2023	0.563		0.521				0.7
10/25/2023				0.857	0.472 (U)	1.49	
3/20/2024	0.968					0.758	
3/21/2024			1.11	0.926	0.754		0.606
10/2/2024	1.03		1.15	-0.14 (U)	-0.111 (U)	1.22	0.813
3/17/2025	0.201 (U)		0.469 (U)		0.085 (U)		
3/18/2025				-0.0426 (U)		3.22	0.806

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.1	<0.1		<0.1	0.04 (J)	0.06 (J)	<0.1
5/17/2016	<0.1				0.04 (J)	0.07 (J)	<0.1
5/18/2016		<0.1		<0.1			
7/12/2016	<0.1						<0.1
7/13/2016		<0.1		<0.1	0.05 (J)	0.08 (J)	
9/13/2016	<0.1					0.06 (J)	<0.1
9/14/2016		<0.1		<0.1	0.04 (J)		
11/19/2016	<0.1	<0.1		<0.1	0.04 (J)	0.06 (J)	<0.1
1/17/2017	<0.1	<0.1		<0.1			<0.1
1/18/2017					<0.1	0.05 (J)	
3/22/2017	<0.1						<0.1
3/23/2017		<0.1		<0.1	<0.1	0.05 (J)	
5/24/2017	<0.1	<0.1		<0.1	0.04 (J)	0.06 (J)	<0.1 (D)
10/16/2017	<0.1	<0.1		<0.1	<0.1	0.06 (J)	<0.1
3/28/2018	<0.1		<0.1	<0.1	0.04 (J)	0.06 (J)	
3/29/2018							<0.1
6/2/2018	<0.1		<0.1	<0.1	0.05 (J)	0.06 (J)	<0.1
11/8/2018	<0.1			<0.1	0.05 (J)		
11/9/2018			<0.1			0.06 (J)	<0.1
2/11/2019	<0.1				<0.1	0.0368 (J)	
2/12/2019			<0.1	<0.1			<0.1
4/17/2019	<0.1		<0.1	<0.1	0.033 (J)	0.0421 (J)	
4/18/2019							<0.1
9/27/2019	<0.1		0.0313 (J)				<0.1
9/30/2019				<0.1	<0.1	0.045 (J)	
2/21/2020	<0.1		<0.1	<0.1			<0.1
2/22/2020					0.0317 (J)	0.0434 (J)	
4/14/2020	0.0532 (J)		0.0537 (J)	0.034 (J)	0.0508 (J)	0.059 (J)	0.0415 (J)
10/30/2020	<0.1		<0.1	<0.1	<0.1	<0.1	
11/2/2020							<0.1
3/17/2021					0.0544 (J)	0.0575 (J)	
3/26/2021	<0.1		<0.1	<0.1			<0.1
10/5/2021	0.0499 (J)				0.0505 (J)		<0.1
10/6/2021			<0.1	<0.1		0.0725 (J)	
3/16/2022	<0.1		<0.1	0.0307 (J)	0.0462 (J)	0.176	0.0266 (J)
10/5/2022	<0.1			<0.1	0.0322 (J)		
10/6/2022						0.0972 (J)	<0.1
4/20/2023	<0.1		0.0278 (J)	<0.1			
4/21/2023					0.0441 (J)	0.0665 (J)	<0.1
10/24/2023	<0.1		0.0276 (J)				<0.1
10/25/2023				<0.1	0.0393 (J)	0.0858 (J)	
3/20/2024	0.0436 (J)					0.11	
3/21/2024			0.0515 (J)	0.0537 (J)	0.0578 (J)		0.0292 (J)
10/2/2024	<0.1		0.0284 (J)	0.026 (J)	0.04 (J)	0.0865 (J)	<0.1
3/17/2025	<0.1		0.0448 (J)		0.0657 (J)		
3/18/2025				0.0294 (J)		0.145	0.0432 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.001	<0.0013		<0.001	0.00039 (J)	<0.001	<0.001
5/17/2016	<0.001				<0.001	<0.001	<0.001
5/18/2016		<0.0013		<0.001			
7/12/2016	<0.001						<0.001
7/13/2016		<0.0013		<0.001	<0.001	<0.001	
9/13/2016	<0.001					<0.001	<0.001
9/14/2016		<0.0013		0.00056 (J)	<0.001		
11/19/2016	<0.001	<0.0013		<0.001	0.00042 (J)	<0.001	<0.001
1/17/2017	<0.001	<0.0013		<0.001			<0.001
1/18/2017					<0.001	<0.001	
3/22/2017	<0.001						<0.001
3/23/2017		<0.0013		0.00038 (J)	<0.001	<0.001	
5/24/2017	<0.001	<0.0013		0.00036 (J)	<0.001	<0.001	<0.001
3/28/2018	<0.001		<0.001	<0.001	<0.001	<0.001	
3/29/2018							<0.001
11/8/2018	<0.001			<0.001	<0.001		
11/9/2018			<0.001			<0.001	<0.001
2/11/2019	<0.001				<0.001	<0.001	
2/12/2019			<0.001	0.000139 (J)			<0.001
4/17/2019	<0.001		<0.001	<0.001	<0.001	<0.001	
4/18/2019							<0.001
9/27/2019	<0.001		<0.001				0.000129 (J)
9/30/2019				0.000322 (J)	0.000191 (J)	0.000152 (J)	
2/21/2020	<0.001		<0.001	0.00015 (J)			<0.001
2/22/2020					<0.001	<0.001	
4/14/2020	<0.001		<0.001	0.000236 (J)	<0.001	<0.001	<0.001
10/30/2020	<0.001		<0.001	0.000136 (J)	<0.001	<0.001	
11/2/2020							<0.001
3/17/2021					0.000153 (J)	<0.001	
3/26/2021	<0.001		<0.001	0.000145 (J)			<0.001
10/5/2021	<0.001				<0.001		<0.001
10/6/2021			<0.001	<0.001		<0.001	
3/16/2022	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
10/5/2022	<0.001			<0.001	<0.001		
10/6/2022						<0.001	<0.001
4/20/2023	<0.001		<0.001	<0.001			
4/21/2023					<0.001	<0.001	<0.001
10/24/2023	<0.001		<0.001				<0.001
10/25/2023				<0.001	<0.001	<0.001	
3/20/2024	<0.001					<0.001	
3/21/2024			<0.001	<0.001	<0.001		<0.001
10/2/2024	0.00035 (J)		0.00032 (J)	0.000425 (J)	0.0003 (J)	0.00032 (J)	0.000345 (J)
3/17/2025	<0.001		<0.001		<0.001		
3/18/2025				<0.001		<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.005	<0.005		<0.005	0.044	0.17	<0.005
5/17/2016	0.0037 (J)				0.028	0.2	<0.005
5/18/2016		<0.005		<0.005			
7/12/2016	0.012						<0.005
7/13/2016		<0.005		<0.005	0.026	0.17	
9/13/2016	<0.005					0.17	<0.005
9/14/2016		<0.005		<0.005	0.026		
11/19/2016	<0.005	<0.005		<0.005	0.026	0.18	0.0035 (J)
1/17/2017	<0.005	<0.005		<0.005			<0.005
1/18/2017					0.027	0.2	
3/22/2017	<0.005						<0.005
3/23/2017		<0.005		<0.005	0.024	0.19	
5/24/2017	<0.005	<0.005		<0.005	0.027	0.21	<0.005
3/28/2018	<0.005		0.0026 (J)	0.0023 (J)	0.021	0.23	
3/29/2018							0.0026 (J)
6/2/2018	0.0017 (J)		0.0021 (J)	0.002 (J)	0.022	0.19	0.0029 (J)
11/8/2018	0.0023 (J)			0.0024 (J)	0.025		
11/9/2018			0.0024 (J)			0.18	0.0027 (J)
2/11/2019	<0.005				0.0229	0.161	
2/12/2019			<0.005	<0.005			<0.005
4/17/2019	0.00229 (J)		0.00191 (J)	0.00197 (J)	0.0236	0.174	
4/18/2019							0.00238 (J)
9/27/2019	0.00346 (J)		<0.005				0.00375 (J)
9/30/2019				0.00687	0.0249	0.166	
2/21/2020	<0.005		<0.005	<0.005			<0.005
2/22/2020					0.0211	0.169	
4/14/2020	0.00505		<0.005	<0.005	0.0224	0.192	<0.005
10/30/2020	<0.005		<0.005	<0.005	0.0267	0.194	
11/2/2020							<0.005
3/17/2021					0.0174	0.12	
3/26/2021	<0.005		<0.005	<0.005			<0.005
10/5/2021	<0.005				0.0127		0.0045 (J)
10/6/2021			<0.005	<0.005		0.0994	
3/16/2022	0.00171 (J)		0.00165 (J)	0.0038 (J)	0.0112	0.0629	0.00437 (J)
10/5/2022	<0.005			0.00322 (J)	0.00676		
10/6/2022						0.0534	0.0123
4/20/2023	<0.005		0.00235 (J)	0.00309 (J)			
4/21/2023					0.0091	0.0564	0.0107
10/24/2023	<0.005		<0.005				0.00555
10/25/2023				0.0033 (J)	0.0123	0.0679	
3/20/2024	0.00133 (J)					0.0786	
3/21/2024			0.00174 (J)	0.00355 (J)	0.013		0.0037 (J)
10/2/2024	<0.005		0.00485 (J)	0.00575	0.0119	0.0774	<0.005
3/17/2025	0.00316 (J)		<0.005		0.0113		
3/18/2025				0.00538		0.0874	0.0064

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.0002	<0.0002		8.4E-05 (JB)	7.3E-05 (JB)	7.4E-05 (JB)	7.1E-05 (JB)
5/17/2016	<0.0002				<0.0002	<0.0002	<0.0002
5/18/2016		<0.0002		<0.0002			
7/12/2016	<0.0002						<0.0002
7/13/2016		<0.0002		<0.0002	<0.0002	<0.0002	
9/13/2016	<0.0002					<0.0002	<0.0002
9/14/2016		<0.0002		<0.0002	<0.0002		
11/19/2016	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
1/17/2017	<0.0002	<0.0002		<0.0002			<0.0002
1/18/2017					<0.0002	<0.0002	
3/22/2017	0.00011 (J)						<0.0002
3/23/2017		0.00013 (J)		0.00013 (J)	0.00013 (J)	<0.0002	
5/24/2017	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
3/28/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	
3/29/2018							<0.0002
2/11/2019	<0.0002				<0.0002	<0.0002	
2/12/2019			<0.0002	<0.0002			<0.0002
4/17/2019	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	
4/18/2019							<0.0002
2/21/2020	<0.0002		<0.0002	<0.0002			<0.0002
2/22/2020					<0.0002	<0.0002	
10/30/2020	<0.0002		<0.0002	0.000497	<0.0002	<0.0002	
11/2/2020							<0.0002
3/17/2021					<0.0002	<0.0002	
3/26/2021	<0.0002		<0.0002	<0.0002			0.000235
10/5/2021	<0.0002				<0.0002		0.000151 (J)
10/6/2021			<0.0002	<0.0002		<0.0002	
3/16/2022	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	0.0012
10/5/2022	<0.0002			<0.0002	<0.0002		
10/6/2022						<0.0002	<0.0002
4/20/2023	<0.0002		<0.0002	<0.0002			
4/21/2023					<0.0002	<0.0002	<0.0002
10/24/2023	<0.0002		<0.0002				<0.0002
10/25/2023				<0.0002	<0.0002	<0.0002	
3/20/2024	0.000141 (J)					0.000134 (J)	
3/21/2024			0.00015 (J)	0.000133 (J)	0.000135 (J)		0.000143 (J)
10/2/2024	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/17/2025	<0.0002		<0.0002		<0.0002		
3/18/2025				<0.0002		<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.005	0.0019 (J)		<0.005	<0.005	0.0026 (J)	<0.005
5/17/2016	<0.005				<0.005	0.0011 (J)	<0.005
5/18/2016		0.00096 (J)		<0.005			
7/12/2016	<0.005						<0.005
7/13/2016		0.0017 (J)		<0.005	<0.005	0.0079 (J)	
9/13/2016	<0.005					0.0038 (J)	<0.005
9/14/2016		0.0018 (J)		<0.005	<0.005		
11/19/2016	<0.005	<0.015		<0.005	<0.005	0.0014 (J)	<0.005
1/17/2017	<0.005	<0.015		<0.005			<0.005
1/18/2017					<0.005	0.001 (J)	
3/22/2017	<0.005						0.0038 (J)
3/23/2017		<0.015		<0.005	<0.005	<0.015	
5/24/2017	<0.005	<0.015		<0.005	<0.005	0.0014 (J)	<0.005
3/28/2018	<0.005		<0.005	<0.005	<0.005	<0.015	
3/29/2018							<0.005
11/8/2018	<0.005			<0.005	<0.005		
11/9/2018			<0.005			<0.015	<0.005
2/11/2019	<0.005				<0.005	<0.015	
2/12/2019			<0.005	<0.005			<0.005
4/17/2019	<0.005		<0.005	<0.005	<0.005	<0.015	
4/18/2019							<0.005
2/21/2020	<0.005		<0.005	<0.005			<0.005
2/22/2020					0.000616 (J)	0.000627 (J)	
4/14/2020	<0.005		<0.005	<0.005	<0.005	0.000747 (J)	<0.005
10/30/2020	<0.005		<0.005	<0.005	<0.005	<0.015	
11/2/2020							<0.005
3/17/2021					0.0032 (J)	0.00328 (J)	
3/26/2021	<0.005		<0.005	<0.005			<0.005
10/5/2021	<0.005				0.00109 (J)		<0.005
10/6/2021			<0.005	<0.005		0.00364 (J)	
3/16/2022	<0.005		<0.005	<0.005	0.000916 (J)	0.00533	<0.005
10/5/2022	<0.005			<0.005	0.000939 (J)		
10/6/2022						0.00424 (J)	<0.005
4/20/2023	<0.005		<0.005	<0.005			
4/21/2023					0.00109 (J)	0.00651	<0.005
10/24/2023	<0.005		<0.005				<0.005
10/25/2023				<0.005	<0.005	0.0036 (J)	
3/20/2024	<0.005					0.00366 (J)	
3/21/2024			<0.005	<0.005	0.000937 (J)		<0.005
10/2/2024	<0.005		<0.005	<0.005	0.00108 (J)	0.00335 (J)	<0.005
3/17/2025	<0.005		<0.005		0.00111 (J)		
3/18/2025				<0.005		0.00384 (J)	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH (SU) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	5.12	5.52		5.05	5.38	6.64	4.89
5/17/2016	5.23				5.32	6.52	4.92
5/18/2016		5.24		4.86			
7/12/2016	5.77						4.93
7/13/2016		5.17		5.11	5.31	6.63	
9/13/2016	4.98					6.46	4.76
9/14/2016		5.04		4.84	5.21		
11/19/2016	4.82	4.88		4.74	5.12	6.38	4.56
1/17/2017	5.04	5.04		4.95			4.86
1/18/2017					5.22	6.47	
3/22/2017	4.73						4.66
3/23/2017		4.66		4.66	5.01	6.19	
5/24/2017	5.01	4.93		4.86	5.19	6.34	4.83
10/16/2017	4.59	4.65		4.47	4.96	6.23	4.53
3/28/2018	4.87		5.39	4.93	5.23	6.22	
3/29/2018							4.87
6/2/2018	4.92		5.06	4.83	5.22	6.24	4.87
11/8/2018	5			4.83	5.29		
11/9/2018			4.92			6.27	4.92
2/11/2019	4.7				5	6.08	
2/12/2019			4.86	4.65			4.79
4/17/2019	4.9		4.79	4.71	5.13	6.14	
4/18/2019							4.9
2/21/2020	4.86		4.73	4.55			4.8
2/22/2020					5.3	6.13	
4/14/2020	5.23		4.87	4.7	5.45	6.26	4.94
10/30/2020	5		4.87	4.8	5.32	6.19	
11/2/2020							4.92
3/17/2021					5.62	6.14	
3/26/2021	4.86		4.7	4.54			4.67
10/5/2021	5				5.72		4.84
10/6/2021			4.77	4.63		6.03	
3/16/2022	4.92		4.91	4.64	5.56	6.2	4.75
10/5/2022	4.91			4.51	5.57		
10/6/2022						6.27	4.71
4/20/2023	4.89		4.83	4.49			
4/21/2023					5.45	6.09	4.95
10/24/2023	4.99		4.98				4.91
10/25/2023				4.43	5.42	6.11	
3/20/2024	4.93					6.2	
3/21/2024			4.86	4.39	5.47		4.89
10/2/2024	4.94		4.95	4.52	5.51	6.14	4.87
3/17/2025	5.04		4.91		5.77		
3/18/2025				4.66		6.22	5.03

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.005	0.00041 (J)		0.00033 (J)	<0.005	<0.005	<0.005
5/17/2016	<0.005				<0.005	<0.005	0.00026 (J)
5/18/2016		<0.0013		<0.005			
7/12/2016	<0.005						<0.005
7/13/2016		<0.0013		0.00041 (J)	<0.005	<0.005	
9/13/2016	<0.005					<0.005	0.00031 (J)
9/14/2016		<0.0013		0.00079 (J)	<0.005		
11/19/2016	<0.005	<0.0013		<0.005	<0.005	<0.005	<0.005
1/17/2017	<0.005	<0.0013		<0.005			<0.005
1/18/2017					<0.005	<0.005	
3/22/2017	<0.005						0.0021
3/23/2017		<0.0013		<0.005	<0.005	<0.005	
5/24/2017	<0.005	0.00026 (J)		0.00028 (J)	<0.005	0.00033 (J)	0.00026 (J)
3/28/2018	<0.005		0.00024 (J)	0.00038 (J)	<0.005	<0.005	
3/29/2018							0.00036 (J)
6/2/2018	0.00064 (J)		<0.005	0.00031 (J)	<0.005	<0.005	<0.005
11/8/2018	0.0025			0.00088 (J)	<0.005		
11/9/2018			0.00098 (J)			<0.005	<0.005
2/11/2019	<0.005				<0.005	<0.005	
2/12/2019			<0.005	<0.005			<0.005
4/17/2019	<0.005		<0.005	<0.005	<0.005	<0.005	
4/18/2019							<0.005
2/21/2020	<0.005		<0.005	<0.005			<0.005
2/22/2020					<0.005	<0.005	
10/30/2020	<0.005		<0.005	<0.005	<0.005	<0.005	
11/2/2020							<0.005
3/17/2021					<0.005	<0.005	
3/26/2021	<0.005		<0.005	<0.005			<0.005
10/5/2021	<0.005				<0.005		<0.005
10/6/2021			<0.005	<0.005		<0.005	
3/16/2022	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
10/5/2022	<0.005			<0.005	<0.005		
10/6/2022						<0.005	<0.005
4/20/2023	<0.005		<0.005	<0.005			
4/21/2023					<0.005	<0.005	<0.005
10/24/2023	<0.005		<0.005				<0.005
10/25/2023				<0.005	<0.005	<0.005	
3/20/2024	<0.005					<0.005	
3/21/2024			<0.005	<0.005	<0.005		<0.005
10/2/2024	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
3/17/2025	<0.005		<0.005		<0.005		
3/18/2025				0.00101 (J)		0.00176 (J)	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<5	<5		<5	2.3 (J)	4.5 (J)	<5
5/17/2016	<5				2.3 (J)	17	<5
5/18/2016		<5		<5			
7/12/2016	<5						<5
7/13/2016		<5		1.5 (J)	2.4 (J)	15	
9/13/2016	<5					3.4 (J)	<5
9/14/2016		<5		1.6 (J)	2.4 (J)		
11/19/2016	<5	<5		1.8 (J)	3.3 (J)	3.5 (J)	1.5 (J)
1/17/2017	<5	<5		<5			<5
1/18/2017					2.3 (J)	3.2 (J)	
3/22/2017	<5						1.9 (J)
3/23/2017		1.8 (J)		2.3 (J)	3.2 (J)	3.7 (J)	
5/24/2017	<5	1.5 (J)		1.6 (J)	2.4 (J)	8.8	<5
10/16/2017	<5	<5		<5	2 (J)	4 (J)	<5
3/28/2018	<5		1.7 (J)	1.6 (J)	2.4 (J)	3.3 (J)	
3/29/2018							<5
6/2/2018	1.9 (J)		3 (J)	2.9 (J)	3.7 (J)	4.3 (J)	2.8 (J)
11/8/2018	<5			1.6 (J)	2.7 (J)		
11/9/2018			<5			2.3 (J)	<5
2/11/2019	0.774 (J)				2.5	2.64	
2/12/2019			1.97	1.97			1.35
4/17/2019	1.43		2.82	2.5	3.15	3.27	
4/18/2019							1.82
9/27/2019	1.03		2.19				1.22
9/30/2019				1.64	2.34	2.82	
4/14/2020	0.928 (J)		2.71	1.62	2.99	4.2	1.18
10/30/2020	0.91 (J)		3.97	1.44	2.84	4.76	
11/2/2020							1.08
3/17/2021					4.35	4.07	
3/26/2021	1.49		2.04	3.25			2
10/5/2021	1.13				5.02		2.55
10/6/2021			5.37	5.07		14.5	
3/16/2022	3.6		5.37	6.85	5.64	23.1	5.93
10/5/2022	1.34			6.07	4.12		
10/6/2022						19.5	61.4
4/20/2023	2.6		7.32	8.2			
4/21/2023					5	47.2	8.82
10/24/2023	1.8		7.68				2.11
10/25/2023				8.72	12.5	37.5	
3/20/2024	1.41					30	
3/21/2024			6.92	7.6	12.1		1.66
10/2/2024	1.79		6.73	7.63	5.89	40.1	1.61
3/17/2025	1.52		5.98		7.47		
3/18/2025				6.81		42.7	0.941 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/14/2025 4:18 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.001	<0.0005		<0.001	<0.001	<0.001	<0.001
5/17/2016	<0.001				<0.001	<0.001	<0.001
5/18/2016		<0.0005		<0.001			
7/12/2016	<0.001						<0.001
7/13/2016		<0.0005		<0.001	<0.001	<0.001	
9/13/2016	<0.001					<0.001	<0.001
9/14/2016		<0.0005		9.5E-05 (J)	<0.001		
11/19/2016	<0.001	<0.0005		<0.001	<0.001	<0.001	<0.001
1/17/2017	<0.001	<0.0005		<0.001			<0.001
1/18/2017					<0.001	<0.001	
3/22/2017	<0.001						<0.001
3/23/2017		<0.0005		<0.001	<0.001	<0.001	
5/24/2017	<0.001	<0.0005		<0.001	<0.001	<0.001	<0.001
3/28/2018	<0.001		<0.001	<0.001	<0.001	<0.001	
3/29/2018							<0.001
11/8/2018	<0.001			8.5E-05 (J)	<0.001		
11/9/2018			<0.001			<0.001	<0.001
2/11/2019	<0.001				<0.001	<0.001	
2/12/2019			<0.001	<0.001			<0.001
4/17/2019	<0.001		<0.001	<0.001	<0.001	<0.001	
4/18/2019							<0.001
2/21/2020	<0.001		0.000486 (J)	0.000276 (J)			<0.001
2/22/2020					<0.001	<0.001	
4/14/2020	<0.001		<0.001	0.000158 (J)	<0.001	<0.001	<0.001
10/30/2020	<0.001		<0.001	<0.001	<0.001	<0.001	
11/2/2020							<0.001
3/17/2021					<0.001	<0.001	
3/26/2021	<0.001		<0.001	<0.001			<0.001
10/5/2021	<0.001				<0.001		0.000153 (J)
10/6/2021			<0.001	<0.001		<0.001	
3/16/2022	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
10/5/2022	<0.001			<0.001	<0.001		
10/6/2022						<0.001	<0.001
4/20/2023	<0.001		<0.001	<0.001			
4/21/2023					<0.001	<0.001	<0.001
10/24/2023	<0.001		<0.001				<0.001
10/25/2023				<0.001	<0.001	<0.001	
3/20/2024	0.000549 (J)					<0.001	
3/21/2024			<0.001	<0.001	<0.001		<0.001
10/2/2024	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
3/17/2025	<0.001		<0.001		<0.001		
3/18/2025				<0.001		<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/14/2025 4:18 PM

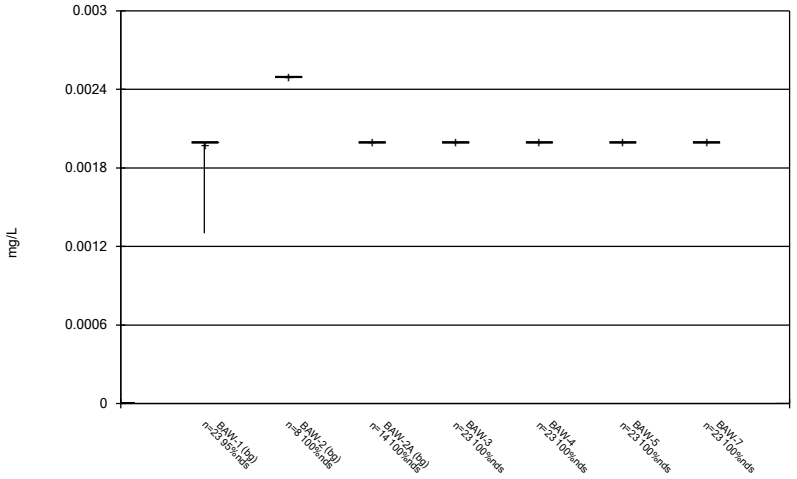
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-2 (bg)	BAW-2A (bg)	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	20	30		30	46	88	22
5/17/2016	24				52	110	30
5/18/2016		20		20			
7/12/2016	24						26
7/13/2016		40		40	36	120	
9/13/2016	18					92	28
9/14/2016		10		<10	38		
11/19/2016	20	28		22	50	94	38
1/17/2017	<10	14		14			10
1/18/2017					18	68	
3/22/2017	12						22
3/23/2017		16		28	32	80	
5/24/2017	16 (D)	12		18	32	90	22
10/16/2017	58	50		36	64	110	34
3/28/2018	18		30	36	56	86	
3/29/2018							50
6/2/2018	6		26	6	22	72	<10
11/8/2018	12			34	170		
11/9/2018			94			38	20
2/11/2019	<10				23	60	
2/12/2019			22	12			<10
4/17/2019	16		22	27	37	82	
4/18/2019							39
9/27/2019	26		25				<10
9/30/2019				<10	<10	55	
4/14/2020	25		38	31	30	77	24
10/30/2020	34		48	40	40	88	
11/2/2020							28
3/17/2021					44	79	
3/26/2021	24		24	37			38
10/5/2021	26				75		45
10/6/2021			61	30		114	
3/16/2022	30		26	26	66	133	37
10/5/2022	30			32	52		
10/6/2022						155	135
4/20/2023	26		30	31			
4/21/2023					50	204	47
10/24/2023	28		35				42
10/25/2023				19	47	161	
3/20/2024	29					164	
3/21/2024			38	31	64		40
10/2/2024	28		49	30	40	195	33
3/17/2025	<10		<10		37		
3/18/2025				14		168	26

ND substitution: RL or RL/2 if <15% NDs.

Box Plots

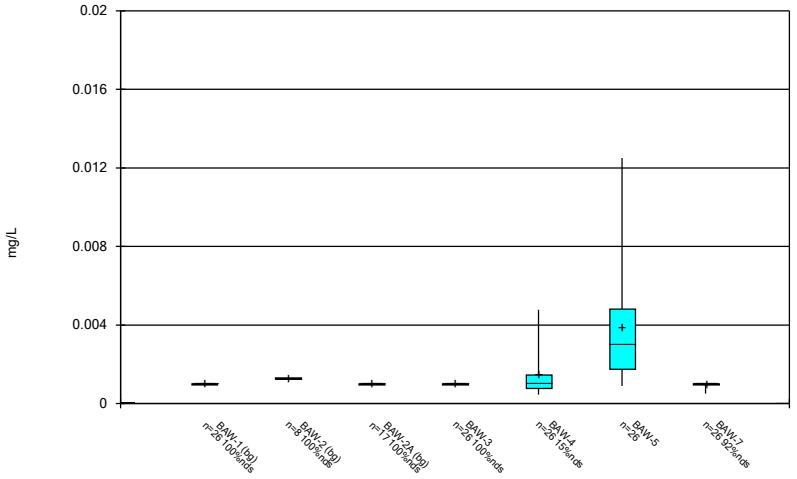
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

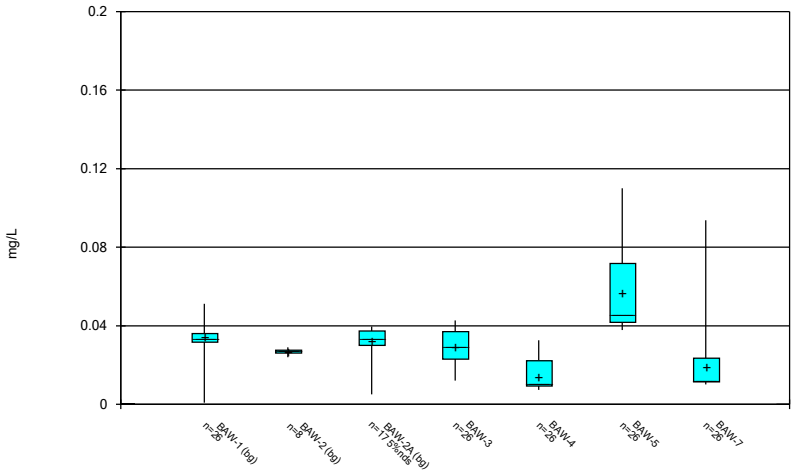
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

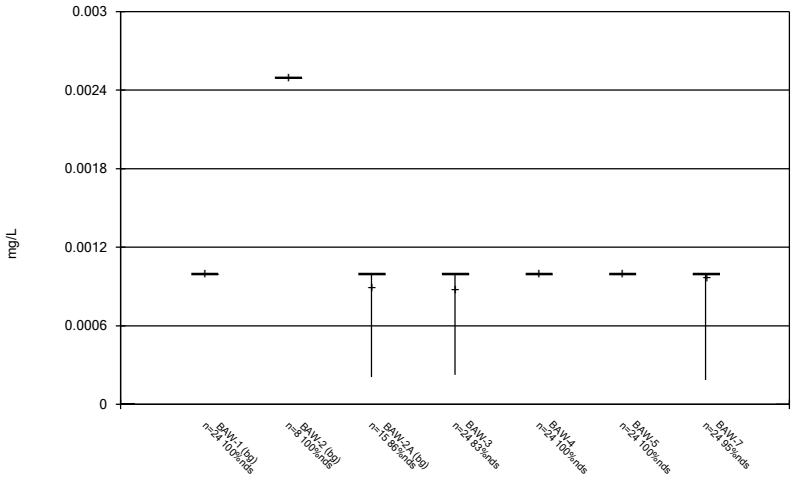
Box & Whiskers Plot



Constituent: Barium Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

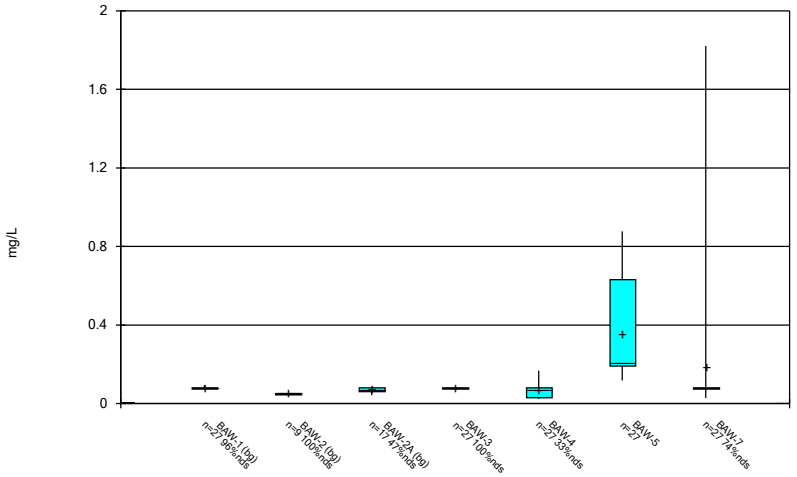
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Box & Whiskers Plot

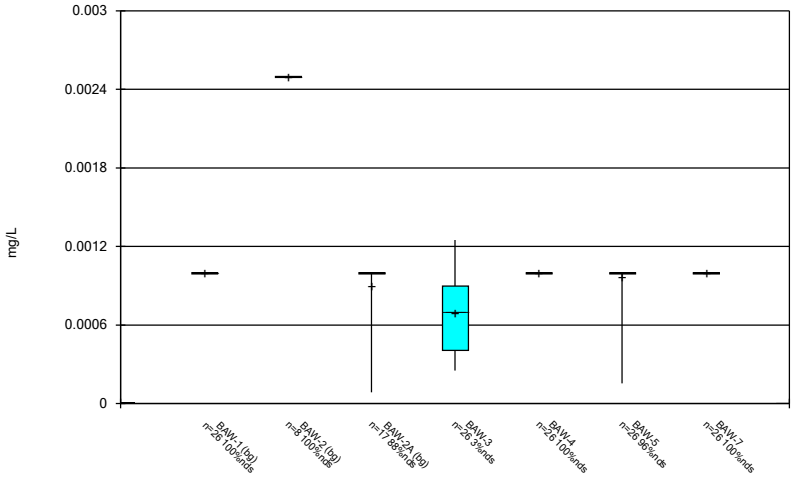


Constituent: Boron Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

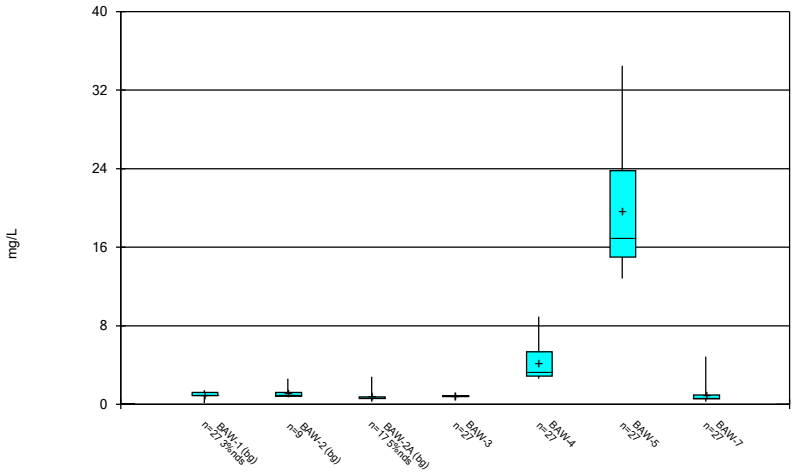


Constituent: Cadmium Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

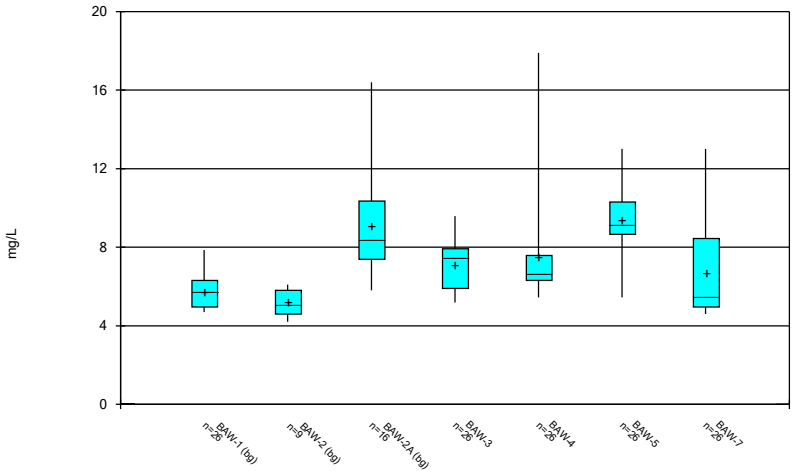


Constituent: Calcium Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

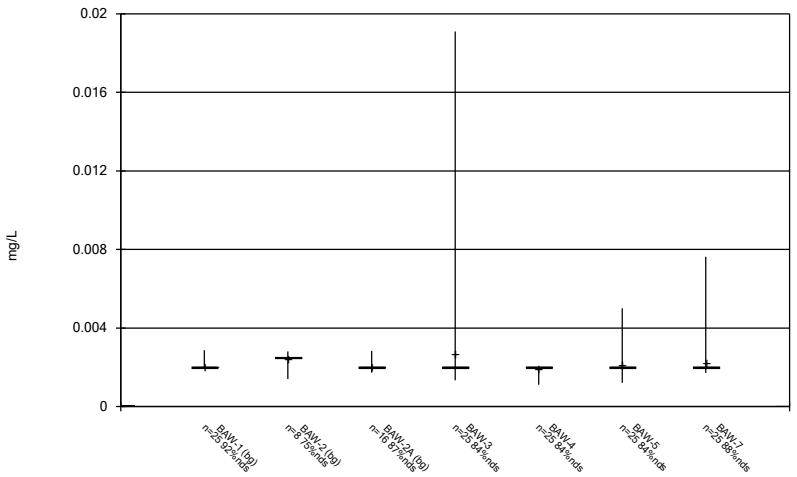
Box & Whiskers Plot



Constituent: Chloride Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Box & Whiskers Plot

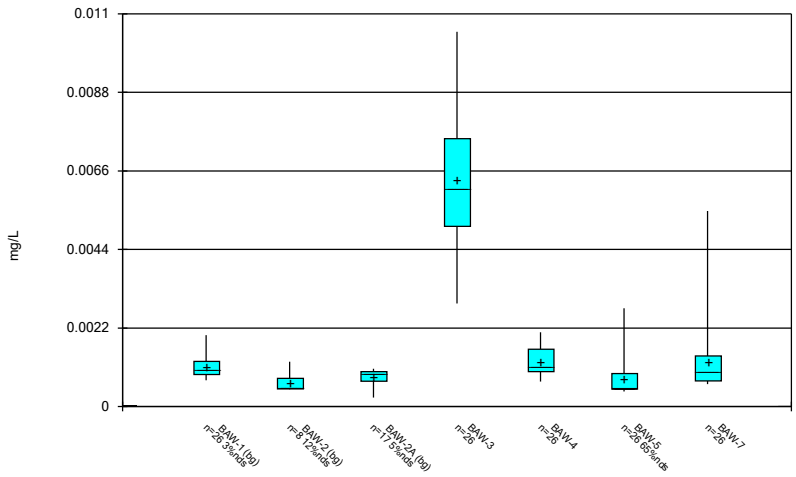


Constituent: Chromium Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

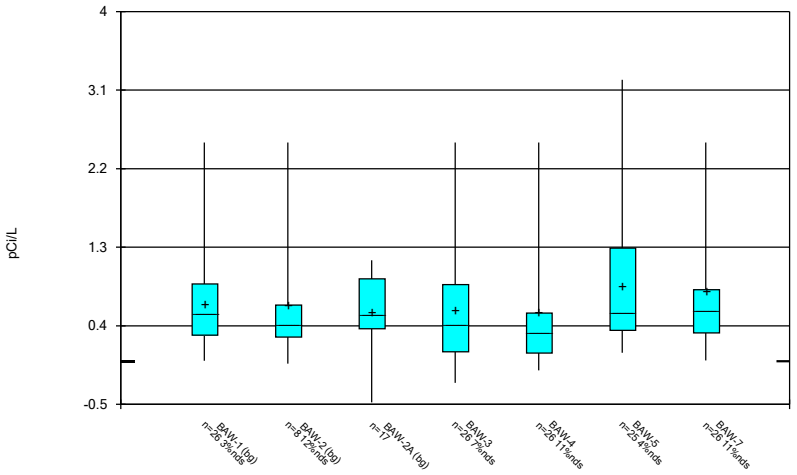


Constituent: Cobalt Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

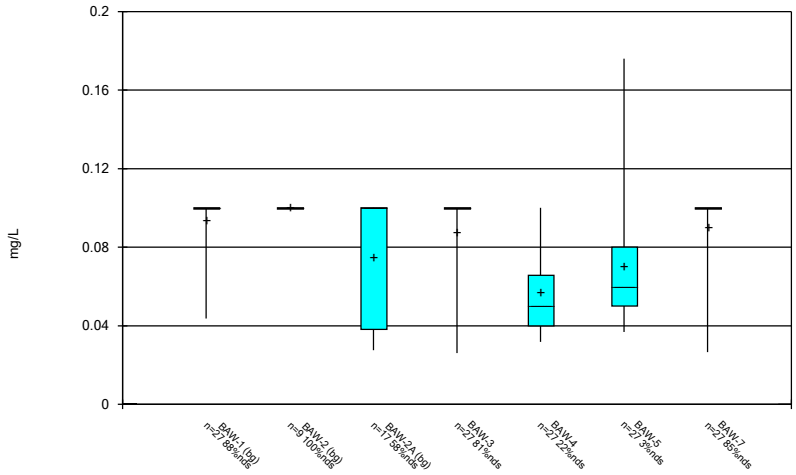


Constituent: Combined Radium 226 + 228 Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

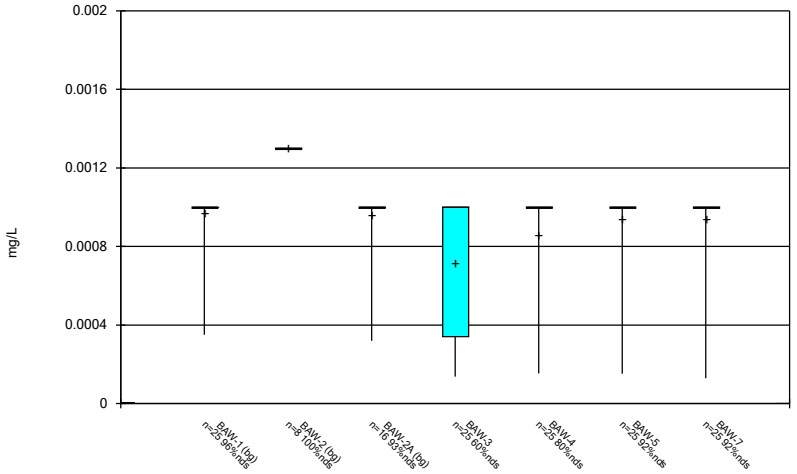
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Box & Whiskers Plot

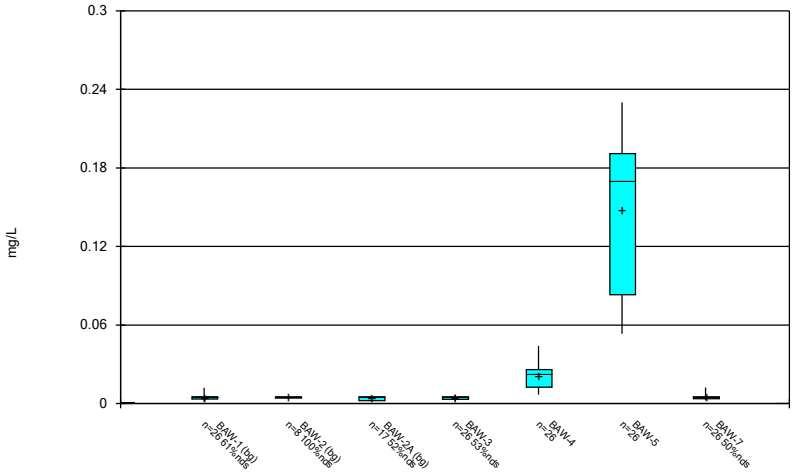


Constituent: Lead Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

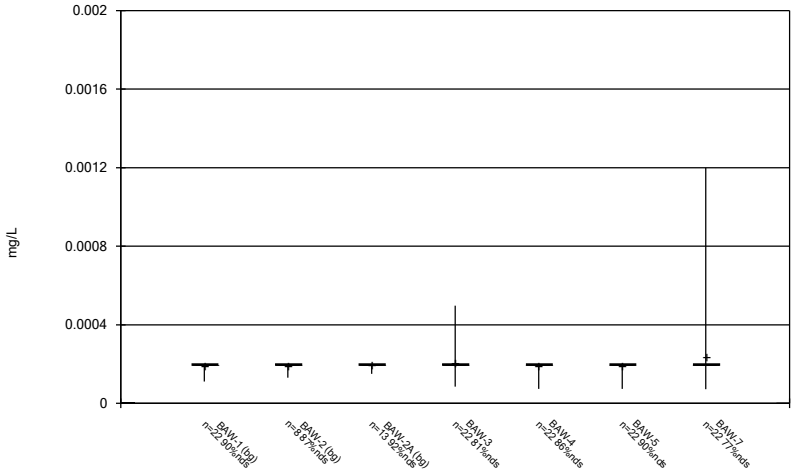


Constituent: Lithium Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

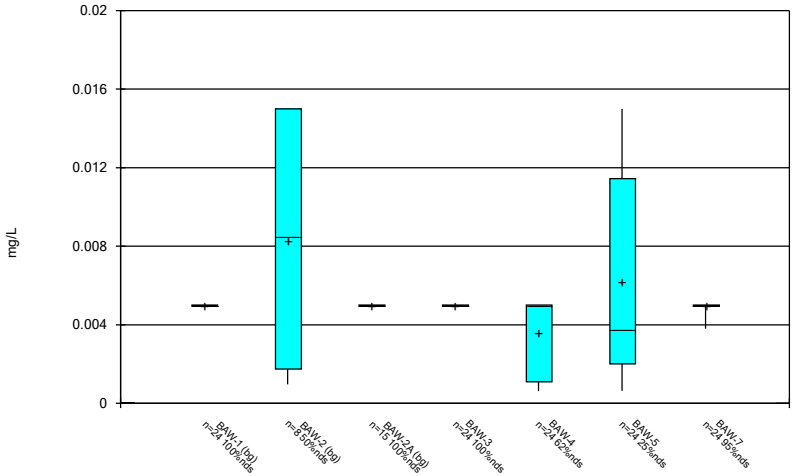


Constituent: Mercury Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

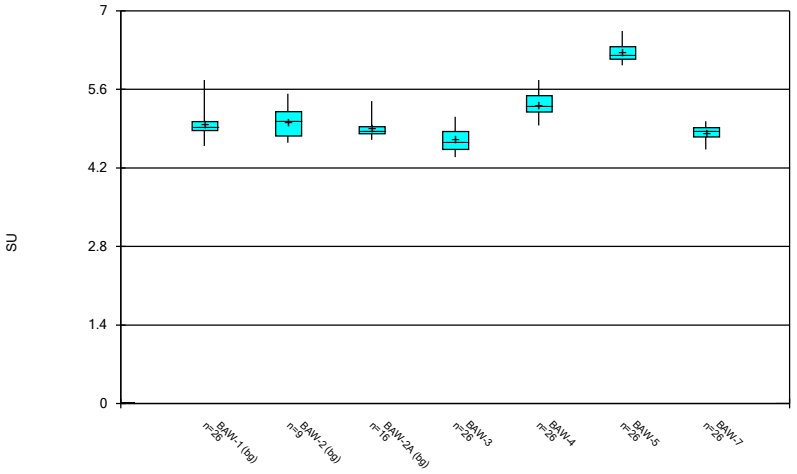
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Box & Whiskers Plot

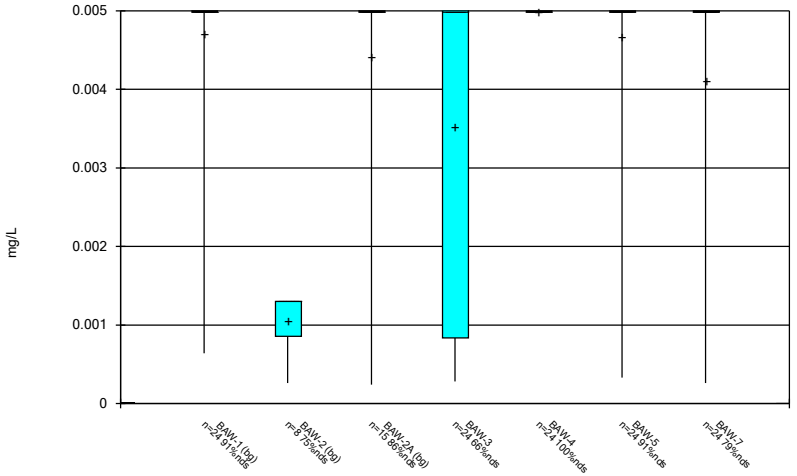


Constituent: pH Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

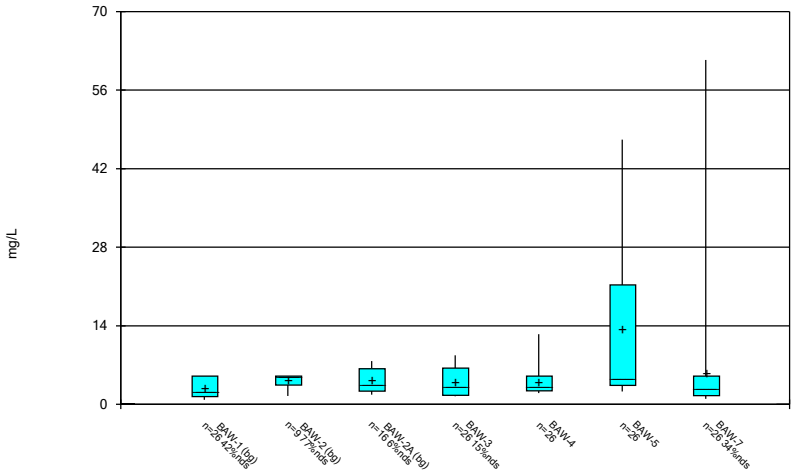


Constituent: Selenium Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

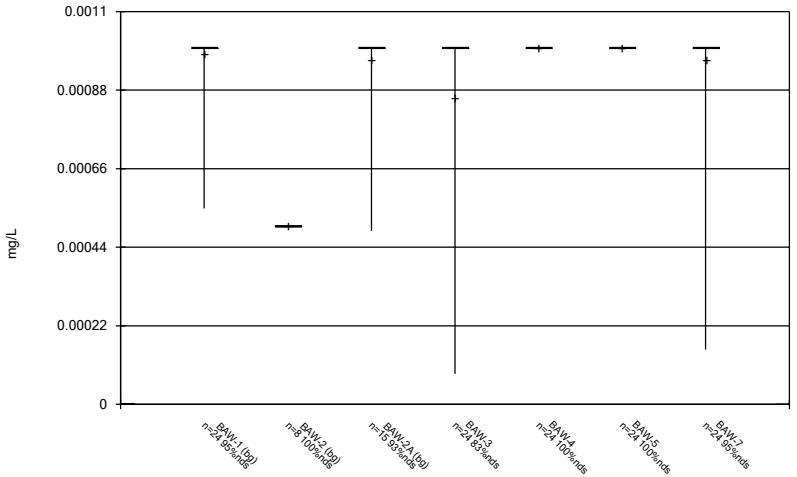


Constituent: Sulfate Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

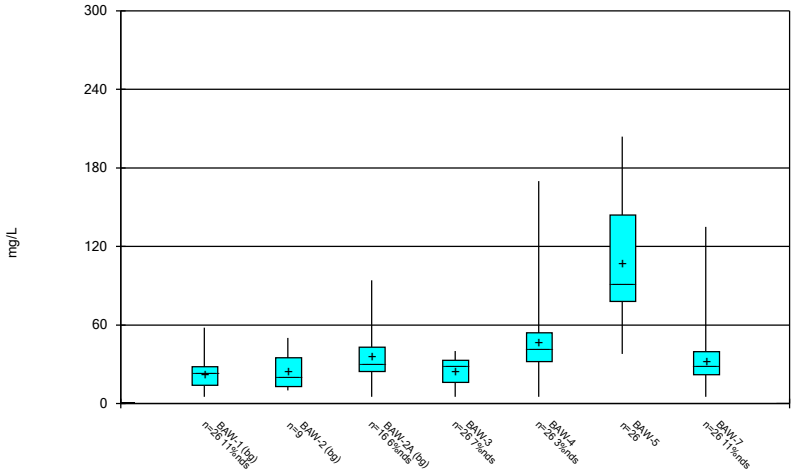


Constituent: Thallium Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 5/14/2025 4:19 PM

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Outlier Summary & Tukey's Outlier Test

Outlier Summary

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/14/2025, 4:20 PM

No values were flagged as outliers.

Tukey's Outlier Analysis - Significant Results

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/12/2025, 2:41 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Combined Radium 226 + 228 (pCi/L)	**BAW-1,BAW-2,BAW-2A**	**Yes**	**2.5**	**NP**	**NaN**	**51**	**0.6158**	**0.5258**	**normal**	**ShapiroFrancia**
pH (SU)	**BAW-1,BAW-2,BAW-2A**	**Yes**	**5.77**	**NP**	**NaN**	**51**	**4.956**	**0.2122**	**ln(x)**	**ShapiroFrancia**

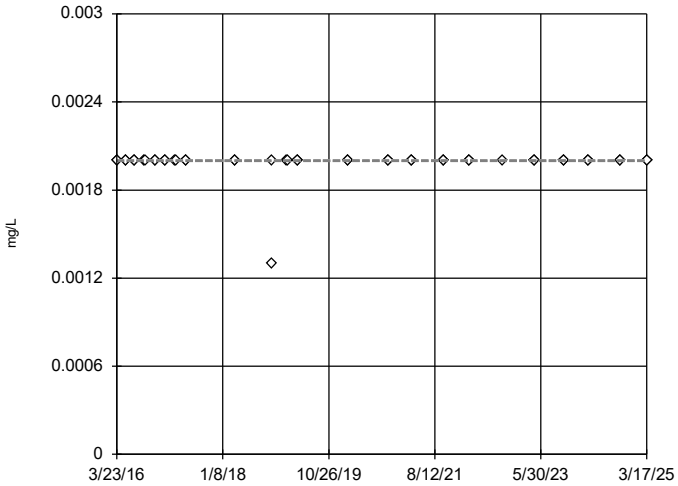
Tukey's Outlier Analysis - All Results

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/12/2025, 2:41 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	BAW-1,BAW-2,BAW-2A	n/a	n/a	NP	NaN	45	0.001984	0.0001043	unknown	ShapiroWilk
Arsenic (mg/L)	BAW-1,BAW-2,BAW-2A	No	n/a	NP	NaN	51	0.001	0	normal	ShapiroWilk
Barium (mg/L)	BAW-1,BAW-2,BAW-2A	No	n/a	NP	NaN	51	0.03211	0.007993	x^2	ShapiroFrancia
Beryllium (mg/L)	BAW-1,BAW-2,BAW-2A	n/a	n/a	NP	NaN	47	0.0009675	0.000156	unknown	ShapiroWilk
Boron (mg/L)	BAW-1,BAW-2,BAW-2A	n/a	n/a	NP	NaN	53	0.07665	0.009179	unknown	ShapiroFrancia
Cadmium (mg/L)	BAW-1,BAW-2,BAW-2A	n/a	n/a	NP	NaN	51	0.0009653	0.0001738	unknown	ShapiroFrancia
Calcium (mg/L)	BAW-1,BAW-2,BAW-2A	No	n/a	NP	NaN	53	0.9426	0.4427	ln(x)	ShapiroFrancia
Chloride (mg/L)	BAW-1,BAW-2,BAW-2A	No	n/a	NP	NaN	51	6.703	2.3	ln(x)	ShapiroFrancia
Chromium (mg/L)	BAW-1,BAW-2,BAW-2A	n/a	n/a	NP	NaN	49	0.002039	0.0002294	unknown	ShapiroWilk
Cobalt (mg/L)	BAW-1,BAW-2,BAW-2A	No	n/a	NP	NaN	51	0.0009049	0.0003452	sqrt(x)	ShapiroFrancia
Combined Radium 226 + 228 (pCi/L)	**BAW-1,BAW-2,BAW-2A**	**Yes**	**2.5**	**NP**	**NaN**	**51**	**0.6158**	**0.5258**	**normal**	**ShapiroFrancia**
Fluoride (mg/L)	BAW-1,BAW-2,BAW-2A	n/a	n/a	NP	NaN	53	0.0889	0.0237	unknown	ShapiroFrancia
Lead (mg/L)	BAW-1,BAW-2,BAW-2A	n/a	n/a	NP	NaN	49	0.0009729	0.000133	unknown	ShapiroWilk
Lithium (mg/L)	BAW-1,BAW-2,BAW-2A	No	n/a	NP	NaN	51	0.004339	0.001693	ln(x)	ShapiroFrancia
Mercury (mg/L)	BAW-1,BAW-2,BAW-2A	n/a	n/a	NP	NaN	43	0.0001937	0.00002029	unknown	ShapiroWilk
Molybdenum (mg/L)	BAW-1,BAW-2,BAW-2A	n/a	n/a	NP	NaN	47	0.00471	0.000968	unknown	ShapiroWilk
pH (SU)	**BAW-1,BAW-2,BAW-2A**	**Yes**	**5.77**	**NP**	**NaN**	**51**	**4.956**	**0.2122**	**ln(x)**	**ShapiroFrancia**
Selenium (mg/L)	BAW-1,BAW-2,BAW-2A	n/a	n/a	NP	NaN	47	0.004469	0.001432	unknown	ShapiroWilk
Sulfate (mg/L)	BAW-1,BAW-2,BAW-2A	No	n/a	NP	NaN	51	3.681	1.945	sqrt(x)	ShapiroFrancia
Thallium (mg/L)	BAW-1,BAW-2,BAW-2A	n/a	n/a	NP	NaN	47	0.0009795	0.00009866	unknown	ShapiroWilk
Total Dissolved Solids (mg/L)	BAW-1,BAW-2,BAW-2A	No	n/a	NP	NaN	51	26.63	16.07	x^(1/3)	ShapiroFrancia

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 45

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

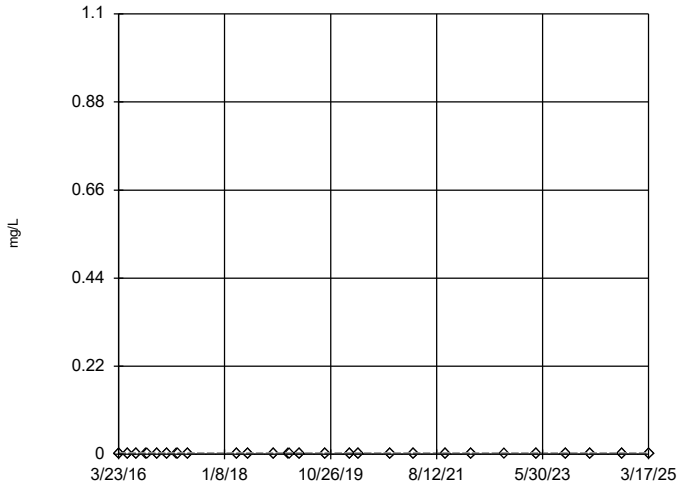
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 51

No outliers found. Tukey's method selected by user.

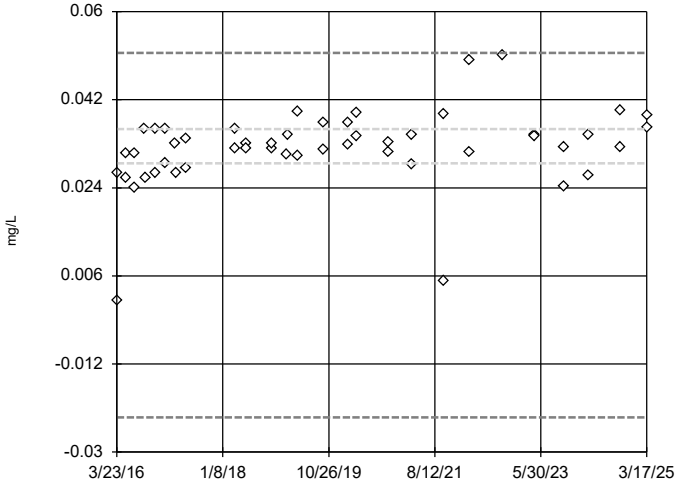
All values are the same.

Constituent: Arsenic Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 51

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

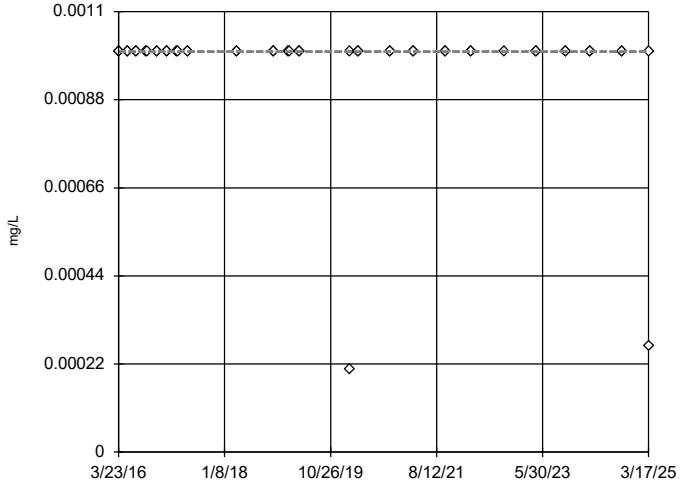
High cutoff = 0.05158, low cutoff = -0.02289, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 47

No outliers found. Tukey's method selected by user.

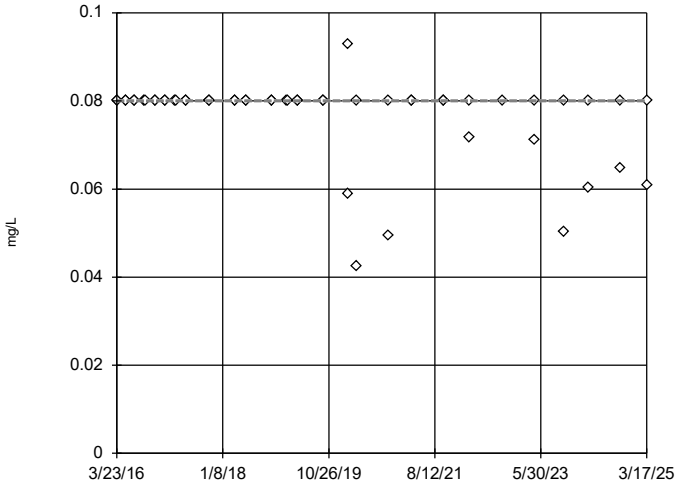
Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 53

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

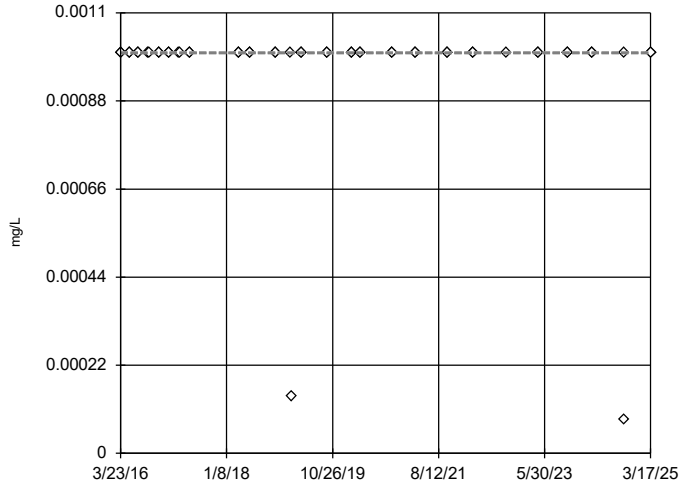
Constituent: Boron Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 51

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

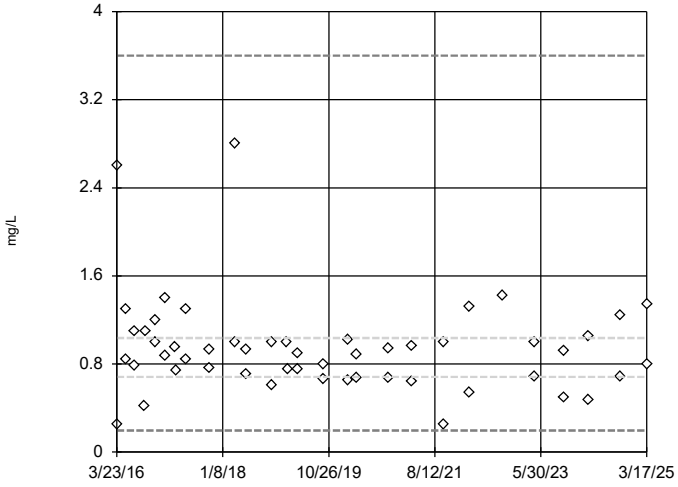
Constituent: Cadmium Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 53

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 3.6, low cutoff = 0.1963, based on IQR multiplier of 3.

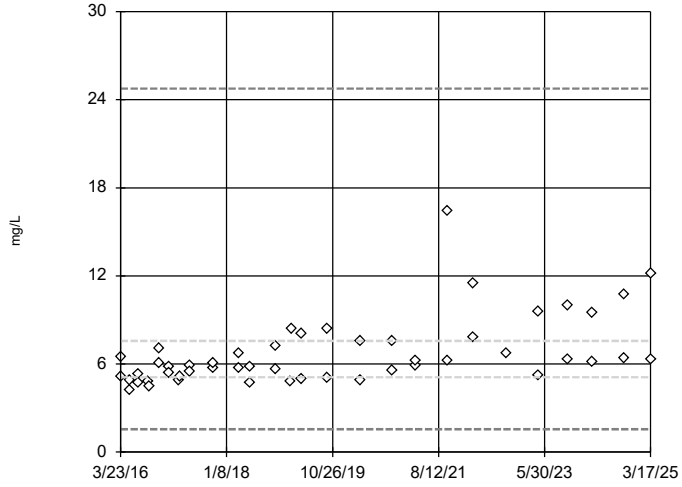
Constituent: Calcium Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 51

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

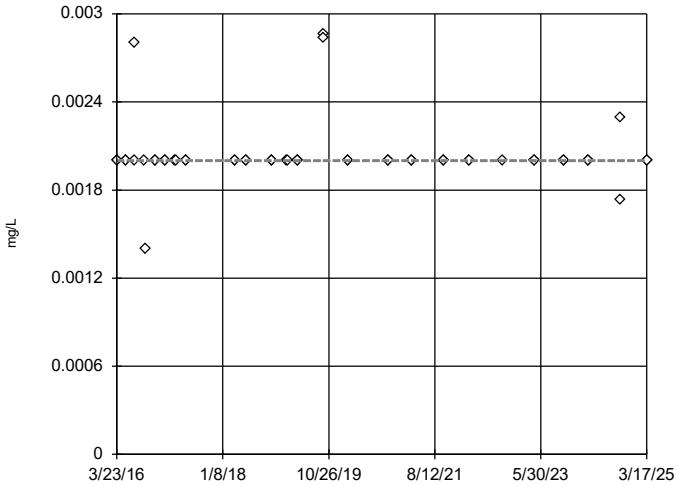
High cutoff = 24.76, low cutoff = 1.56, based on IQR multiplier of 3.

Constituent: Chloride Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 49

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

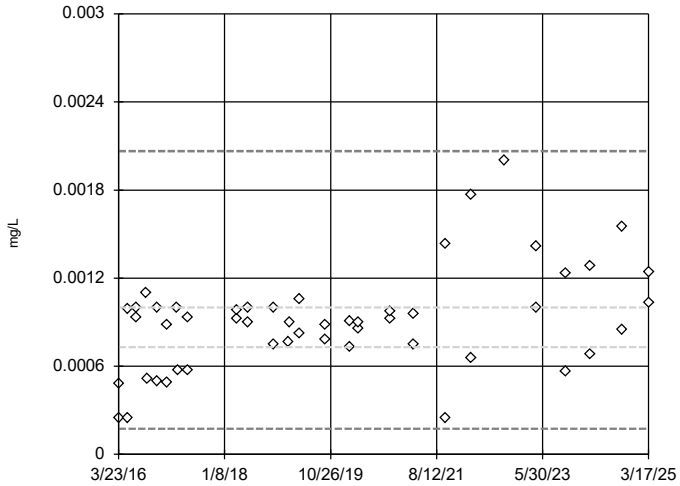
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 51

No outliers found.
Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

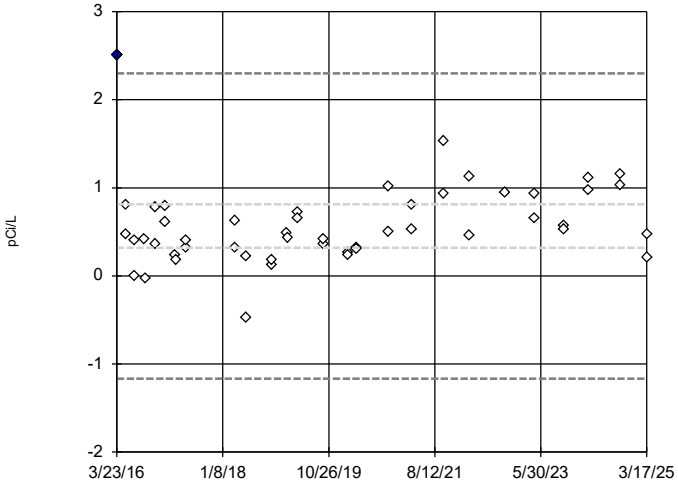
High cutoff = 0.002064, low cutoff = 0.0001744, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 51

Outliers are drawn as solid.
Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

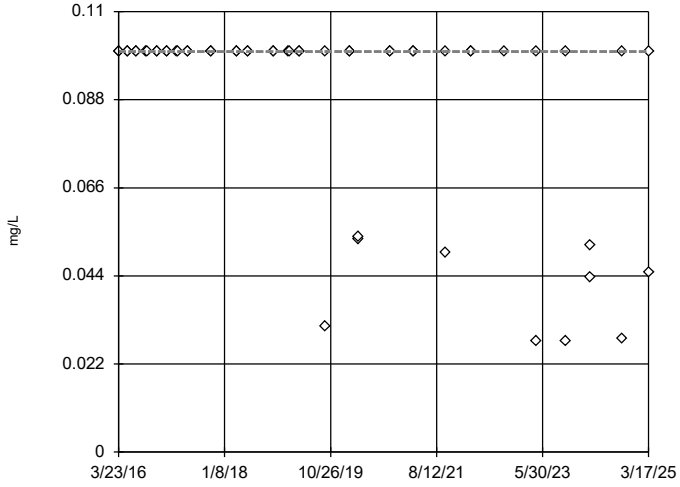
High cutoff = 2.298, low cutoff = -1.167, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 53

No outliers found.
Tukey's method selected by user.

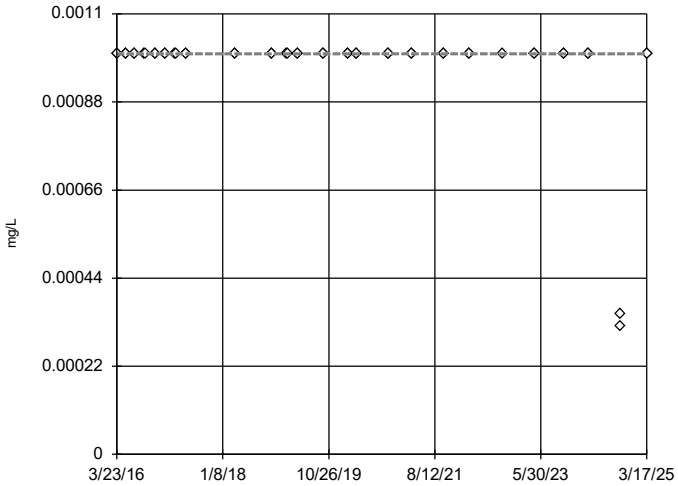
Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Fluoride Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 49

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

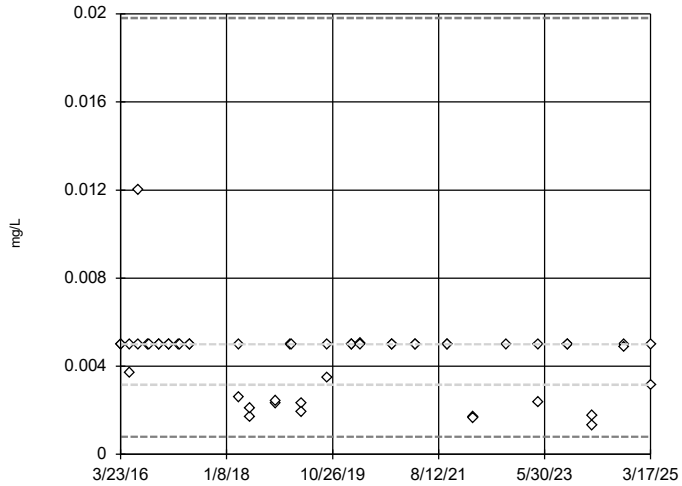
Constituent: Lead Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 51

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01981, low cutoff = 0.0007977, based on IQR multiplier of 3.

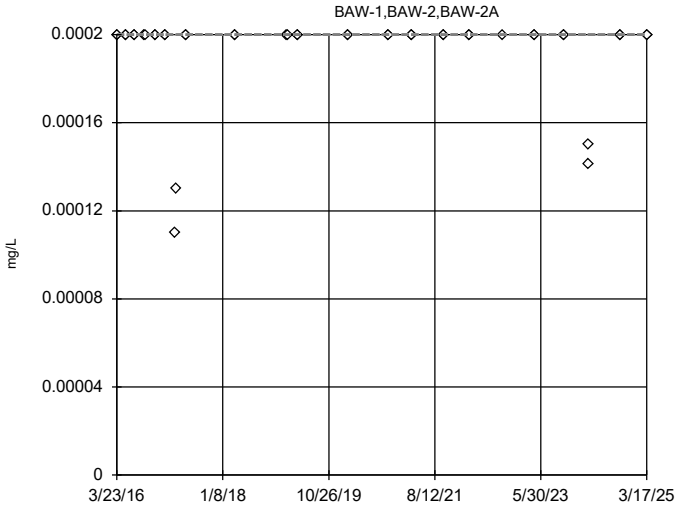
Constituent: Lithium Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 43

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

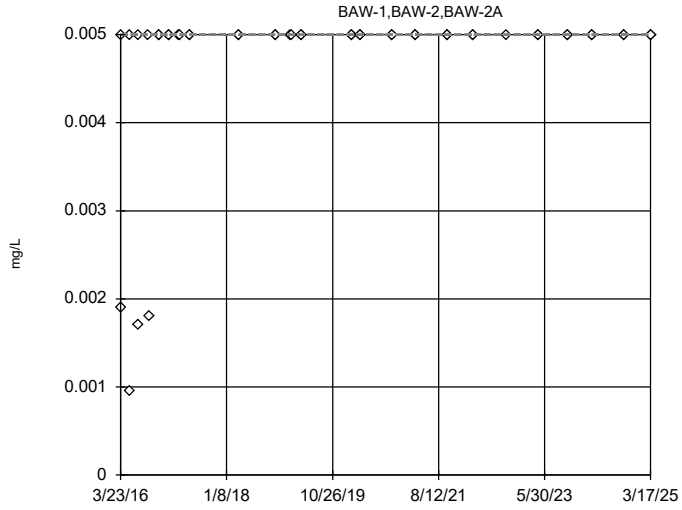
Constituent: Mercury Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 47

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

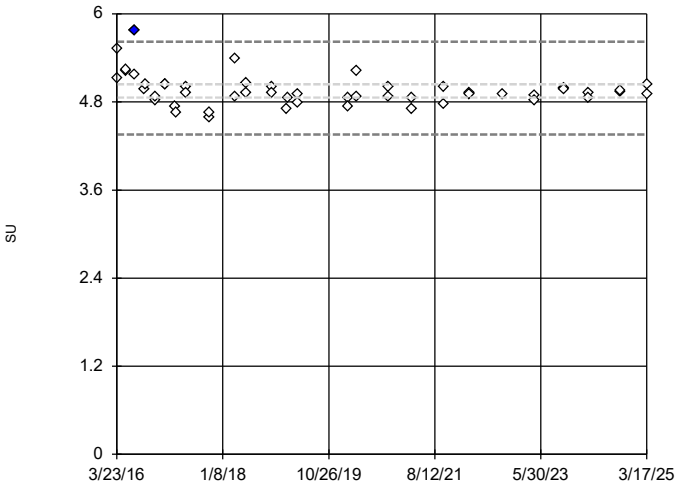
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Molybdenum Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 51

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 5.621, low cutoff = 4.358, based on IQR multiplier of 3.

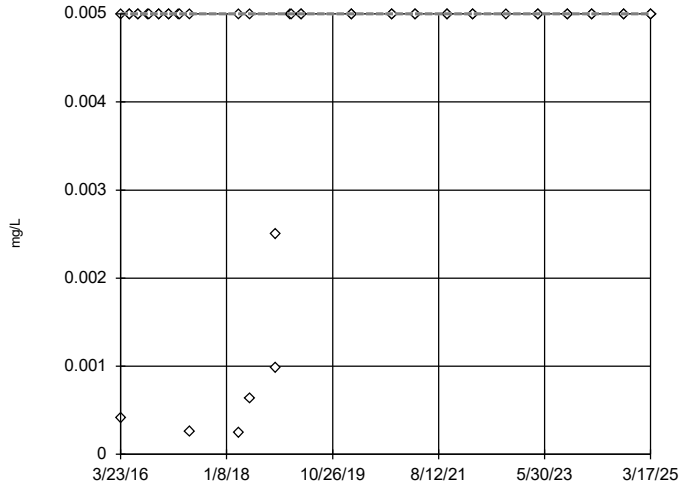
Constituent: pH Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 47

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

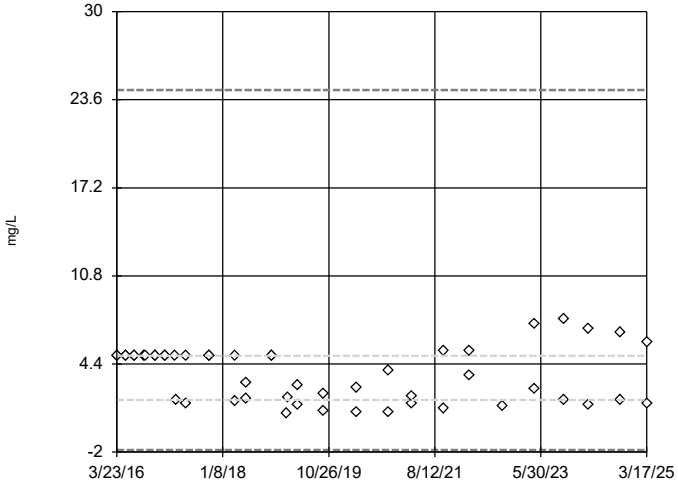
Constituent: Selenium Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 51

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 24.31, low cutoff = -1.84, based on IQR multiplier of 3.

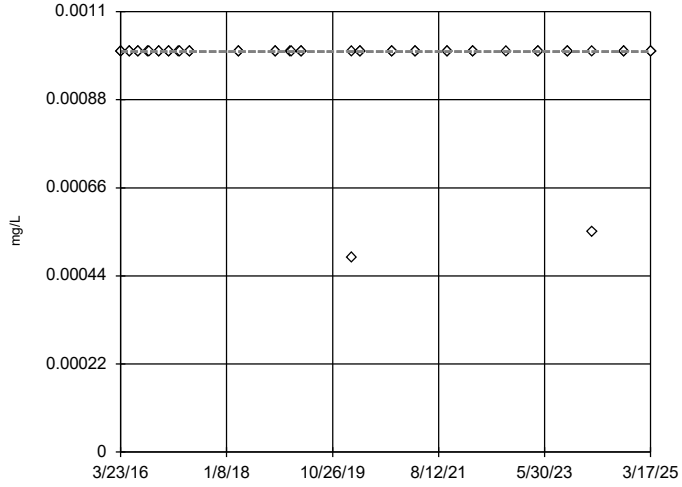
Constituent: Sulfate Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 47

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

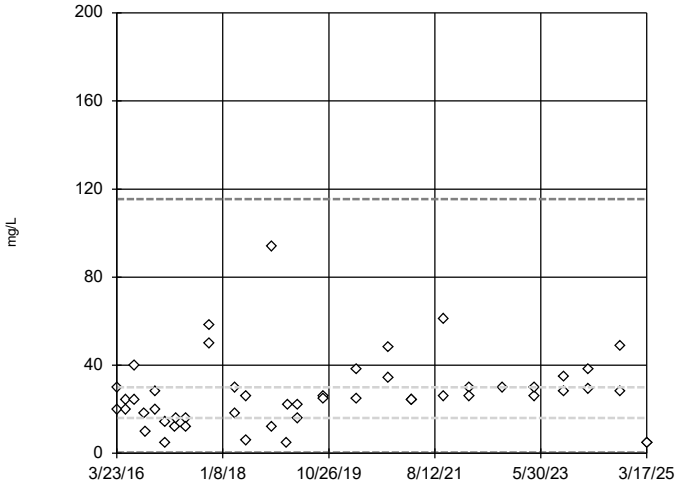
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Tukey's Outlier Screening, Pooled Background

BAW-1,BAW-2,BAW-2A



n = 51

No outliers found. Tukey's method select-ed by user.

Data were cube root trans-formed to achieve best W statistic (graph shown in original units).

High cutoff = 115.5, low cutoff = 0.435, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids Analysis Run 5/12/2025 2:40 PM View: Tukey's Outlier Test

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Trend Tests - Upgradient Wells

Appendix III - Upgradient Well Trend Tests - Significant Results

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/12/2025, 2:45 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**BAW-2 (bg)**	**-0.5725**	**-31**	**-25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BAW-2A (bg)**	**0.6808**	**64**	**58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**BAW-2 (bg)**	**-0.5393**	**-29**	**-25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BAW-1 (bg)**	**-0.3946**	**-134**	**-118**	**Yes**	**26**	**42.31**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BAW-2A (bg)**	**0.7975**	**71**	**58**	**Yes**	**16**	**6.25**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - Upgradient Well Trend Test - All Results

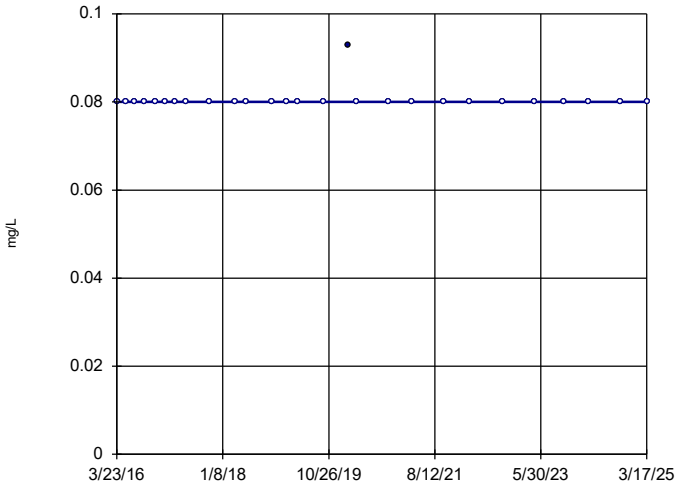
Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/12/2025, 2:45 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BAW-1 (bg)	0	4	124	No	27	96.3	n/a	n/a	0.01	NP
Boron (mg/L)	BAW-2 (bg)	0	0	25	No	9	100	n/a	n/a	0.01	NP
Boron (mg/L)	BAW-2A (bg)	-0.002445	-50	-63	No	17	47.06	n/a	n/a	0.01	NP
Calcium (mg/L)	BAW-1 (bg)	0.03185	112	124	No	27	3.704	n/a	n/a	0.01	NP
Calcium (mg/L)	**BAW-2 (bg)**	**-0.5725**	**-31**	**-25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BAW-2A (bg)	-0.03107	-36	-63	No	17	5.882	n/a	n/a	0.01	NP
Chloride (mg/L)	BAW-1 (bg)	0.09549	87	118	No	26	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BAW-2 (bg)	1.001	18	25	No	9	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BAW-2A (bg)**	**0.6808**	**64**	**58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	BAW-1 (bg)	0	-43	-124	No	27	88.89	n/a	n/a	0.01	NP
Fluoride (mg/L)	BAW-2 (bg)	0	0	25	No	9	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	BAW-2A (bg)	-0.0009448	-53	-63	No	17	58.82	n/a	n/a	0.01	NP
pH (SU)	BAW-1 (bg)	-0.003352	-22	-118	No	26	0	n/a	n/a	0.01	NP
pH (SU)	**BAW-2 (bg)**	**-0.5393**	**-29**	**-25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	BAW-2A (bg)	-0.002966	-9	-58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BAW-1 (bg)**	**-0.3946**	**-134**	**-118**	**Yes**	**26**	**42.31**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BAW-2 (bg)	0	-11	-25	No	9	77.78	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BAW-2A (bg)**	**0.7975**	**71**	**58**	**Yes**	**16**	**6.25**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	BAW-1 (bg)	1.017	82	118	No	26	11.54	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BAW-2 (bg)	-5.236	-4	-25	No	9	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BAW-2A (bg)	0.9204	12	58	No	16	6.25	n/a	n/a	0.01	NP

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 27

Slope = 0
units per year.

Mann-Kendall
statistic = 4
critical = 124

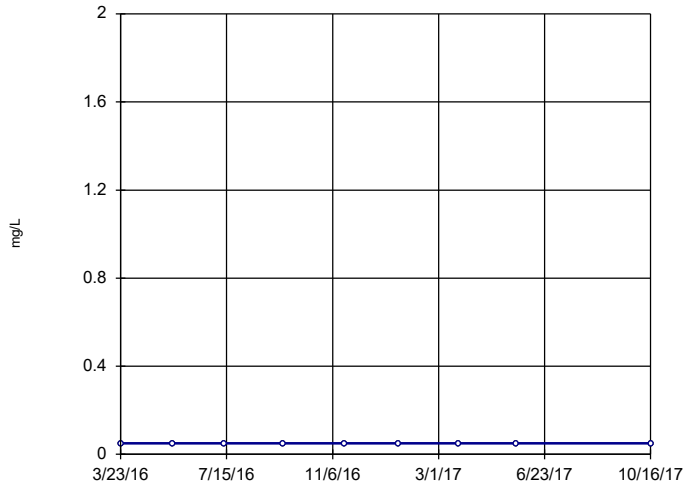
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 9

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 25

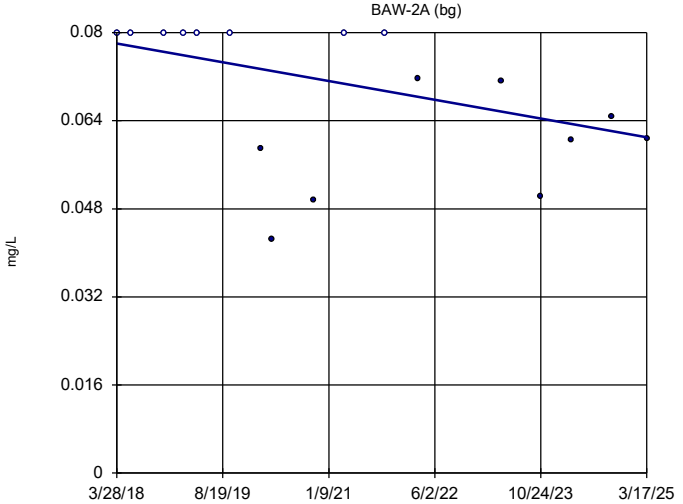
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 17

Slope = -0.002445
units per year.

Mann-Kendall
statistic = -50
critical = -63

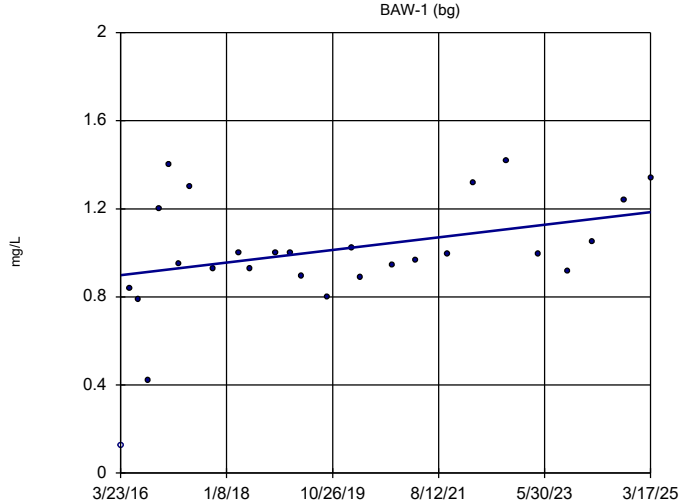
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 27

Slope = 0.03185
units per year.

Mann-Kendall
statistic = 112
critical = 124

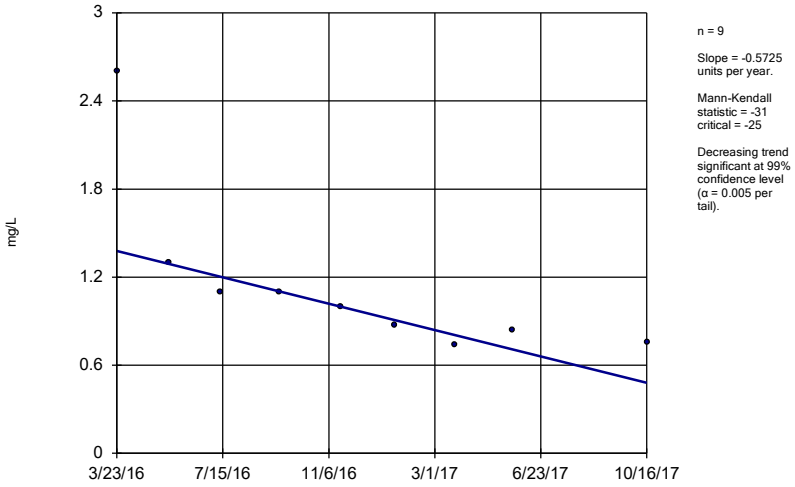
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Calcium Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-2 (bg)



n = 9

Slope = -0.5725 units per year.

Mann-Kendall statistic = -31 critical = -25

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend

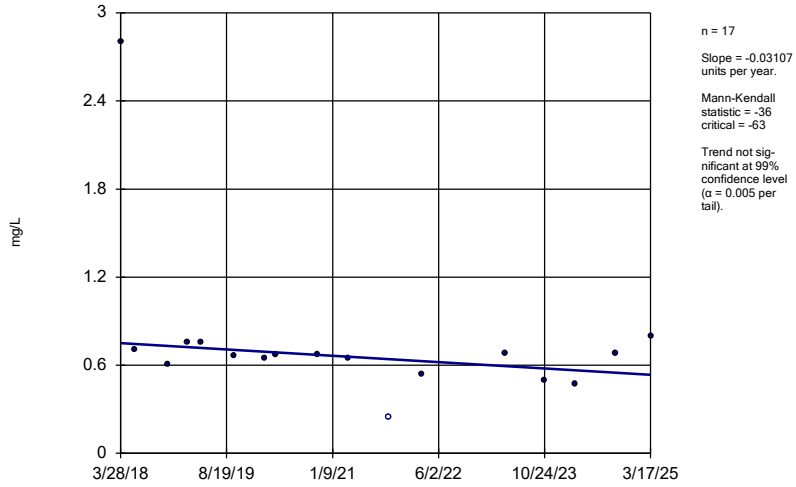
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 17

Slope = -0.03107 units per year.

Mann-Kendall statistic = -36 critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

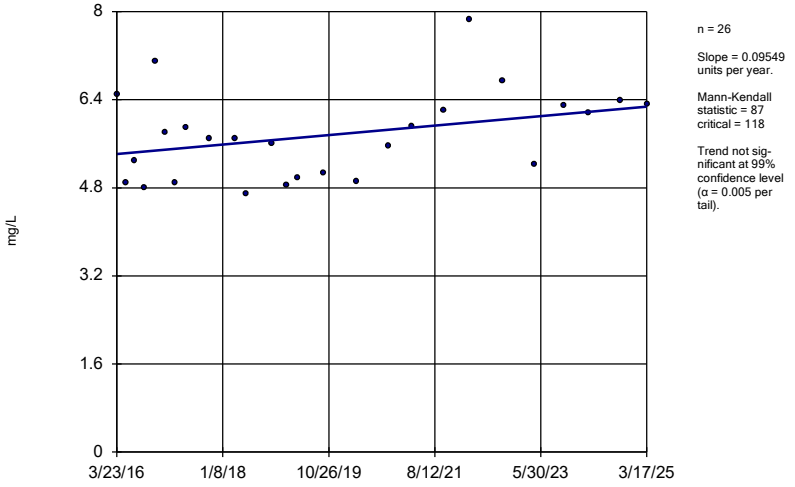
Constituent: Calcium Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-1 (bg)



n = 26

Slope = 0.09549 units per year.

Mann-Kendall statistic = 87 critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

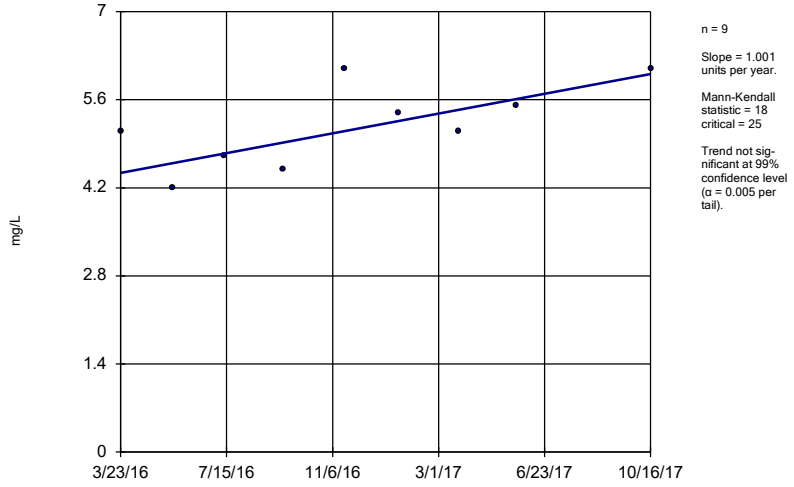
Constituent: Chloride Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-2 (bg)



n = 9

Slope = 1.001 units per year.

Mann-Kendall statistic = 18 critical = 25

Trend not significant at 99% confidence level (α = 0.005 per tail).

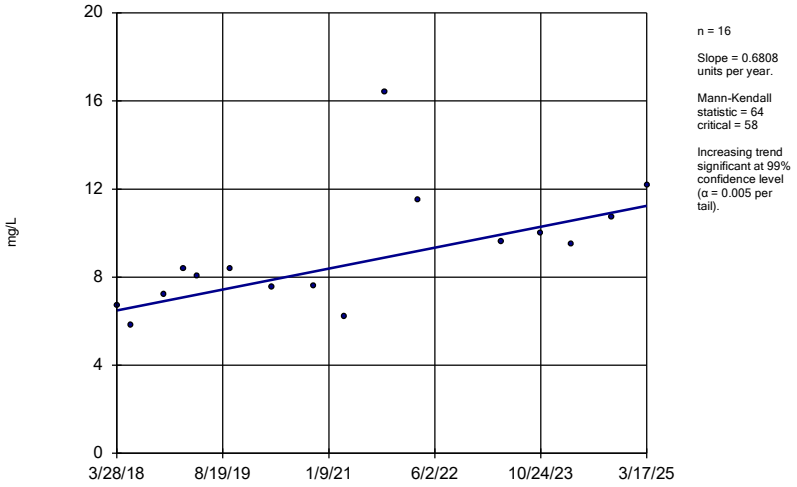
Constituent: Chloride Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-2A (bg)



n = 16

Slope = 0.6808 units per year.

Mann-Kendall statistic = 64
critical = 58

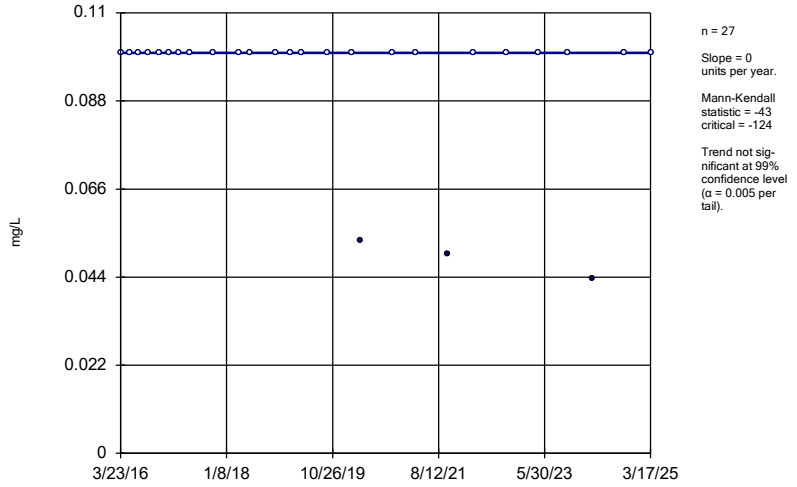
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = -43
critical = -124

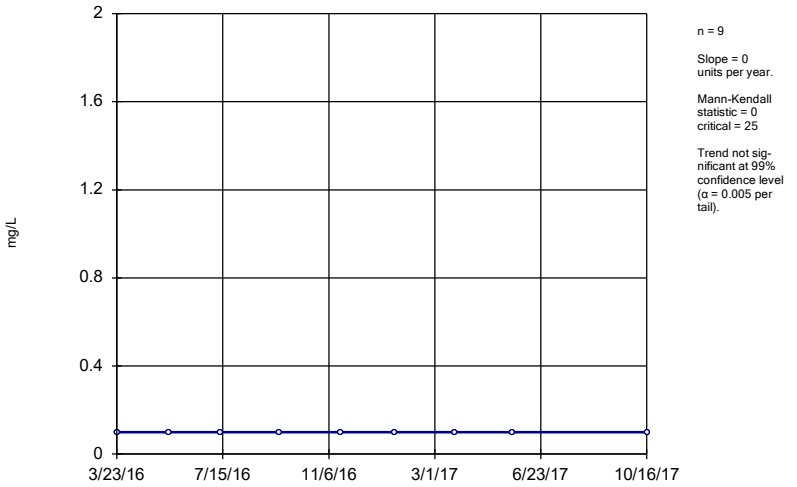
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 9

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 25

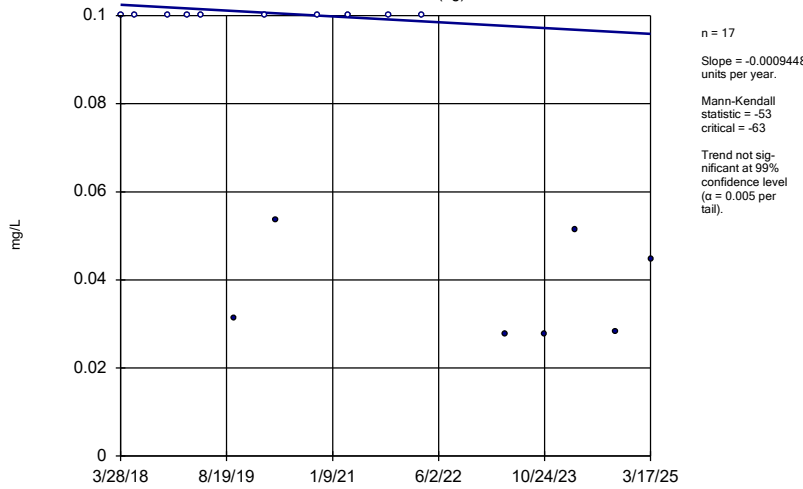
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 17

Slope = -0.0009448 units per year.

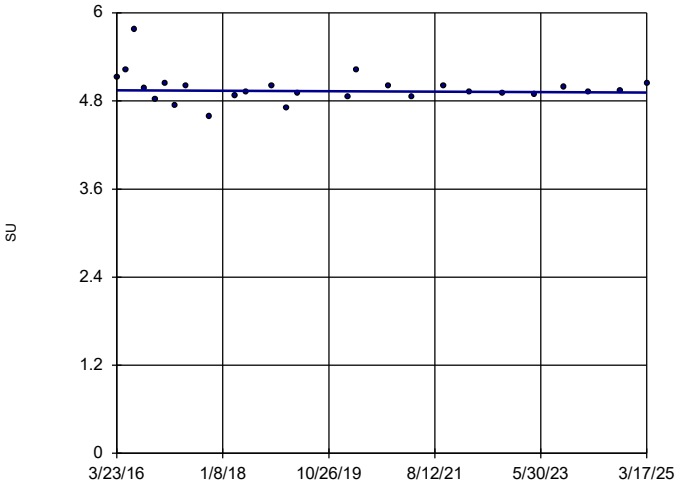
Mann-Kendall statistic = -53
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sen's Slope Estimator

BAW-1 (bg)



n = 26

Slope = -0.003352 units per year.

Mann-Kendall statistic = -22
critical = -118

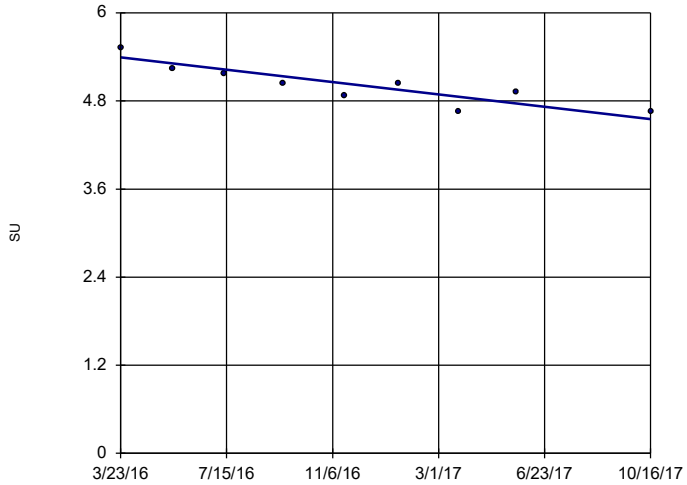
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-2 (bg)



n = 9

Slope = -0.5393 units per year.

Mann-Kendall statistic = -29
critical = -25

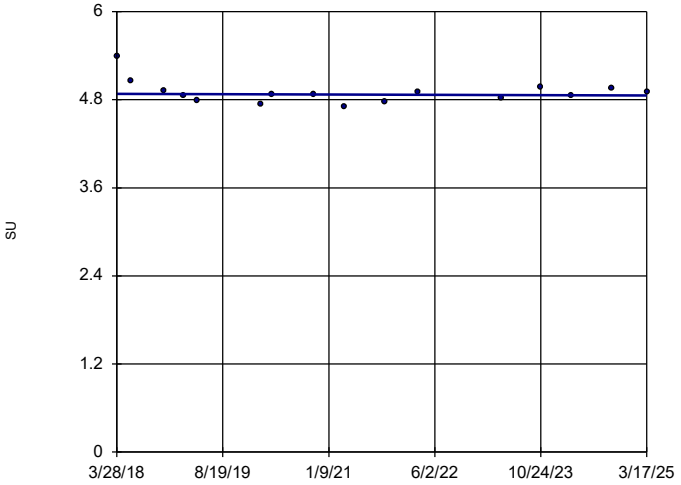
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-2A (bg)



n = 16

Slope = -0.002966 units per year.

Mann-Kendall statistic = -9
critical = -58

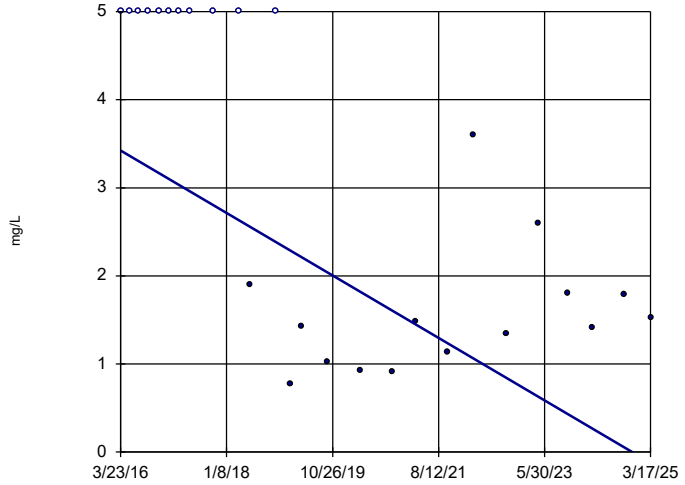
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 26

Slope = -0.3946 units per year.

Mann-Kendall statistic = -134
critical = -118

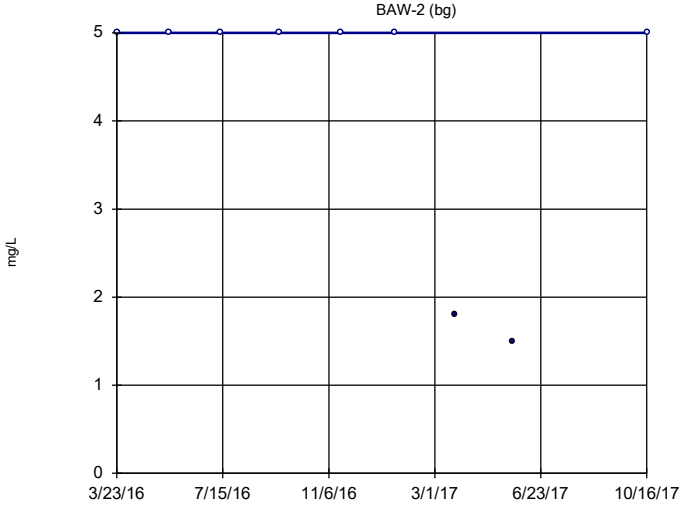
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 9

Slope = 0 units per year.

Mann-Kendall statistic = -11
critical = -25

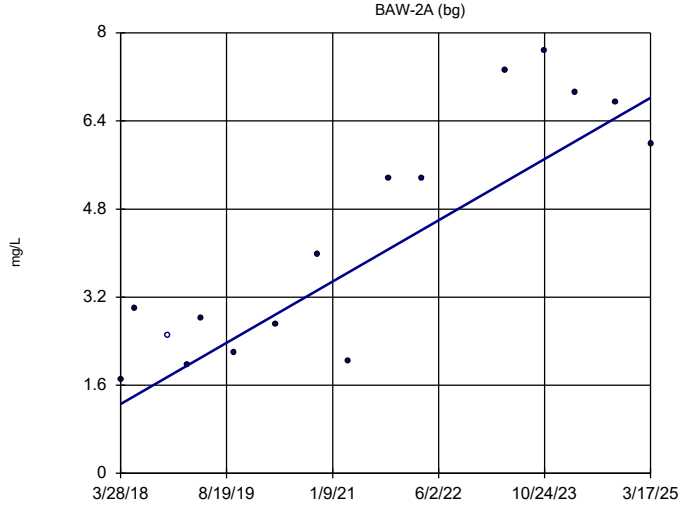
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 16

Slope = 0.7975 units per year.

Mann-Kendall statistic = 71
critical = 58

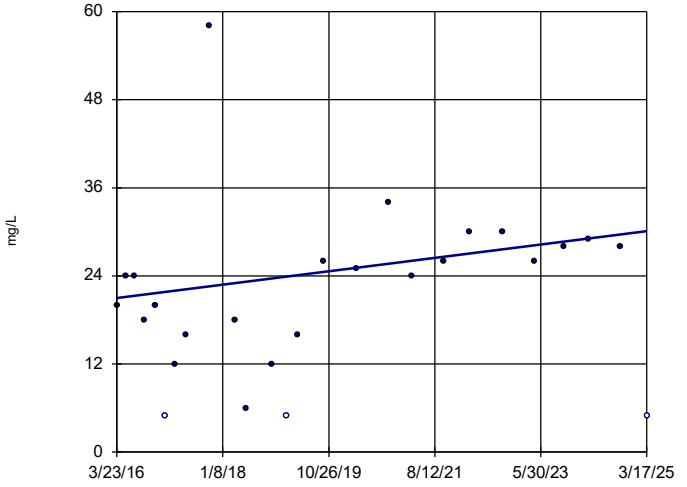
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 26

Slope = 1.017 units per year.

Mann-Kendall statistic = 82
critical = 118

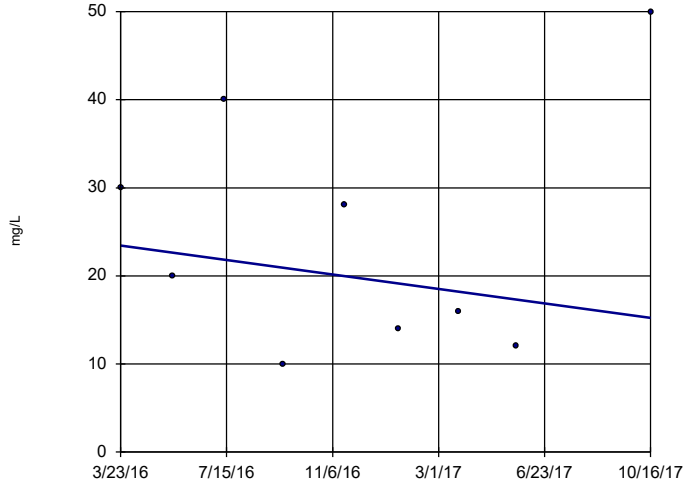
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-2 (bg)



n = 9

Slope = -5.236 units per year.

Mann-Kendall statistic = -4
critical = -25

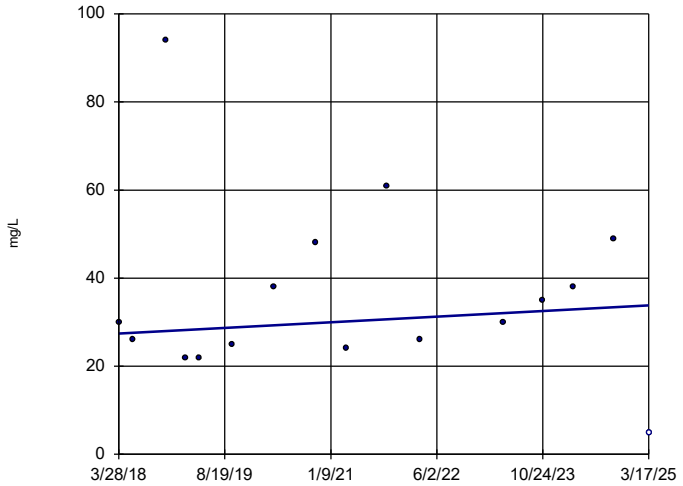
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 16

Slope = 0.9204 units per year.

Mann-Kendall statistic = 12 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 5/12/2025 2:44 PM View: Appendix III Upgradient Trend

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Appendix IV - Upgradient Well Trend Tests - Significant Results

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/15/2025, 10:49 AM

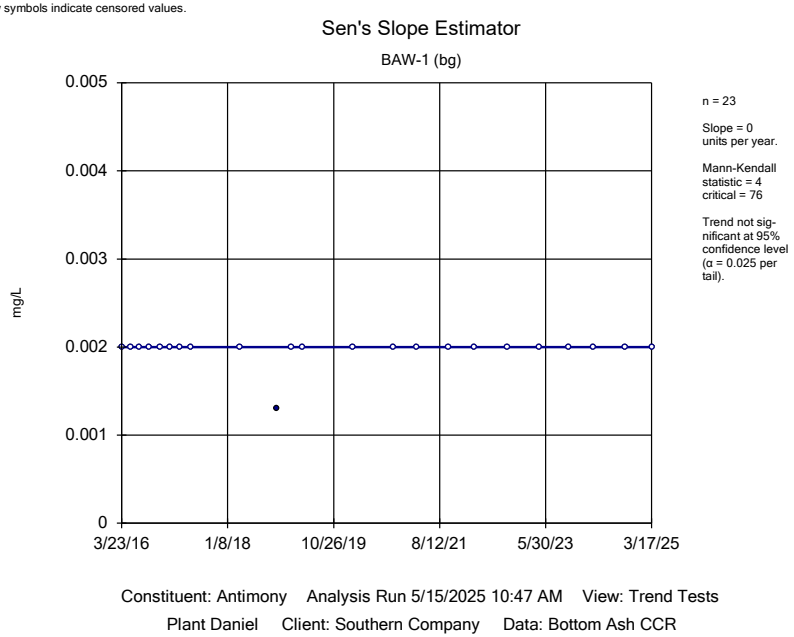
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Barium (mg/L)	**BAW-1 (bg)**	**0.000534**	**108**	**90**	**Yes**	**26**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**BAW-2A (bg)**	**0.08181**	**56**	**49**	**Yes**	**17**	**0**	**n/a**	**0.05**	**NP**
Fluoride (mg/L)	**BAW-2A (bg)**	**-0.0009448**	**-53**	**-49**	**Yes**	**17**	**58.82**	**n/a**	**0.05**	**NP**

Appendix IV - Upgradient Well Trend Tests - All Results

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/15/2025, 10:49 AM

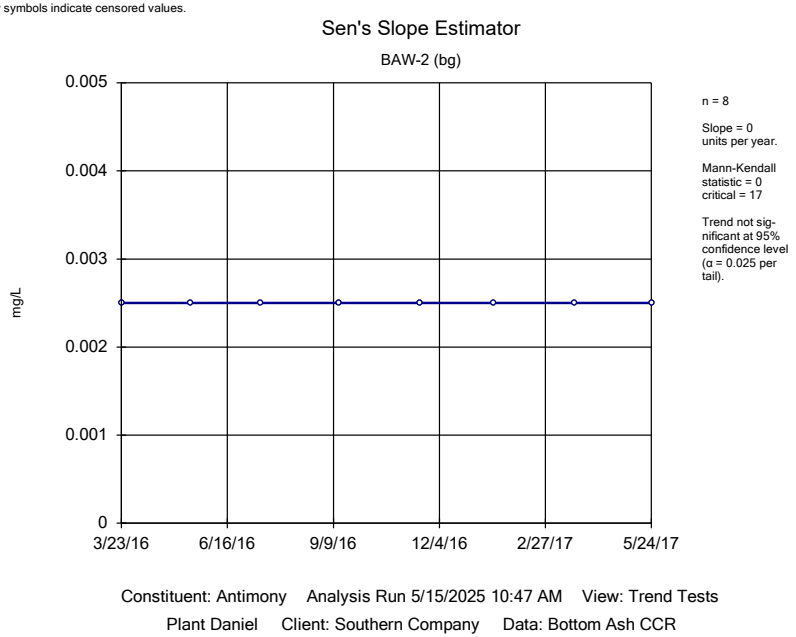
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Antimony (mg/L)	BAW-1 (bg)	0	4	76	No	23	95.65	n/a	0.05	NP
Antimony (mg/L)	BAW-2 (bg)	0	0	17	No	8	100	n/a	0.05	NP
Antimony (mg/L)	BAW-2A (bg)	0	0	37	No	14	100	n/a	0.05	NP
Arsenic (mg/L)	BAW-1 (bg)	0	0	90	No	26	100	n/a	0.05	NP
Arsenic (mg/L)	BAW-2 (bg)	0	0	17	No	8	100	n/a	0.05	NP
Arsenic (mg/L)	BAW-2A (bg)	0	0	49	No	17	100	n/a	0.05	NP
Barium (mg/L)	**BAW-1 (bg)**	**0.000534**	**108**	**90**	**Yes**	**26**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	BAW-2 (bg)	0.001965	12	17	No	8	0	n/a	0.05	NP
Barium (mg/L)	BAW-2A (bg)	-0.0008009	-27	-49	No	17	5.882	n/a	0.05	NP
Beryllium (mg/L)	BAW-1 (bg)	0	0	81	No	24	100	n/a	0.05	NP
Beryllium (mg/L)	BAW-2 (bg)	0	0	17	No	8	100	n/a	0.05	NP
Beryllium (mg/L)	BAW-2A (bg)	0	-7	-41	No	15	86.67	n/a	0.05	NP
Cadmium (mg/L)	BAW-1 (bg)	0	0	90	No	26	100	n/a	0.05	NP
Cadmium (mg/L)	BAW-2 (bg)	0	0	17	No	8	100	n/a	0.05	NP
Cadmium (mg/L)	BAW-2A (bg)	0	-5	-49	No	17	88.24	n/a	0.05	NP
Chromium (mg/L)	BAW-1 (bg)	0	23	85	No	25	92	n/a	0.05	NP
Chromium (mg/L)	BAW-2 (bg)	0	-1	-17	No	8	75	n/a	0.05	NP
Chromium (mg/L)	BAW-2A (bg)	0	-17	-45	No	16	87.5	n/a	0.05	NP
Cobalt (mg/L)	BAW-1 (bg)	0.00003696	68	90	No	26	3.846	n/a	0.05	NP
Cobalt (mg/L)	BAW-2 (bg)	-0.00002765	-1	-17	No	8	12.5	n/a	0.05	NP
Cobalt (mg/L)	BAW-2A (bg)	-0.00001503	-24	-49	No	17	5.882	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BAW-1 (bg)	0.03861	53	90	No	26	3.846	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BAW-2 (bg)	-0.3287	-8	-17	No	8	12.5	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**BAW-2A (bg)**	**0.08181**	**56**	**49**	**Yes**	**17**	**0**	**n/a**	**0.05**	**NP**
Fluoride (mg/L)	BAW-1 (bg)	0	-43	-96	No	27	88.89	n/a	0.05	NP
Fluoride (mg/L)	BAW-2 (bg)	0	0	20	No	9	100	n/a	0.05	NP
Fluoride (mg/L)	**BAW-2A (bg)**	**-0.0009448**	**-53**	**-49**	**Yes**	**17**	**58.82**	**n/a**	**0.05**	**NP**
Lead (mg/L)	BAW-1 (bg)	0	-22	-85	No	25	96	n/a	0.05	NP
Lead (mg/L)	BAW-2 (bg)	0	0	17	No	8	100	n/a	0.05	NP
Lead (mg/L)	BAW-2A (bg)	0	-13	-45	No	16	93.75	n/a	0.05	NP
Lithium (mg/L)	BAW-1 (bg)	0	-22	-85	No	25	64	n/a	0.05	NP
Lithium (mg/L)	BAW-2 (bg)	0	0	17	No	8	100	n/a	0.05	NP
Lithium (mg/L)	BAW-2A (bg)	0	6	49	No	17	52.94	n/a	0.05	NP
Mercury (mg/L)	BAW-1 (bg)	0	-7	-71	No	22	90.91	n/a	0.05	NP
Mercury (mg/L)	BAW-2 (bg)	0	-5	-17	No	8	87.5	n/a	0.05	NP
Mercury (mg/L)	BAW-2A (bg)	0	-8	-34	No	13	92.31	n/a	0.05	NP
Molybdenum (mg/L)	BAW-1 (bg)	0	0	81	No	24	100	n/a	0.05	NP
Molybdenum (mg/L)	BAW-2 (bg)	0.01346	16	17	No	8	50	n/a	0.05	NP
Molybdenum (mg/L)	BAW-2A (bg)	0	0	41	No	15	100	n/a	0.05	NP
Selenium (mg/L)	BAW-1 (bg)	0	9	81	No	24	91.67	n/a	0.05	NP
Selenium (mg/L)	BAW-2 (bg)	0	-1	-17	No	8	75	n/a	0.05	NP
Selenium (mg/L)	BAW-2A (bg)	0	25	41	No	15	86.67	n/a	0.05	NP
Thallium (mg/L)	BAW-1 (bg)	0	-19	-81	No	24	95.83	n/a	0.05	NP
Thallium (mg/L)	BAW-2 (bg)	0	0	17	No	8	100	n/a	0.05	NP
Thallium (mg/L)	BAW-2A (bg)	0	6	41	No	15	93.33	n/a	0.05	NP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



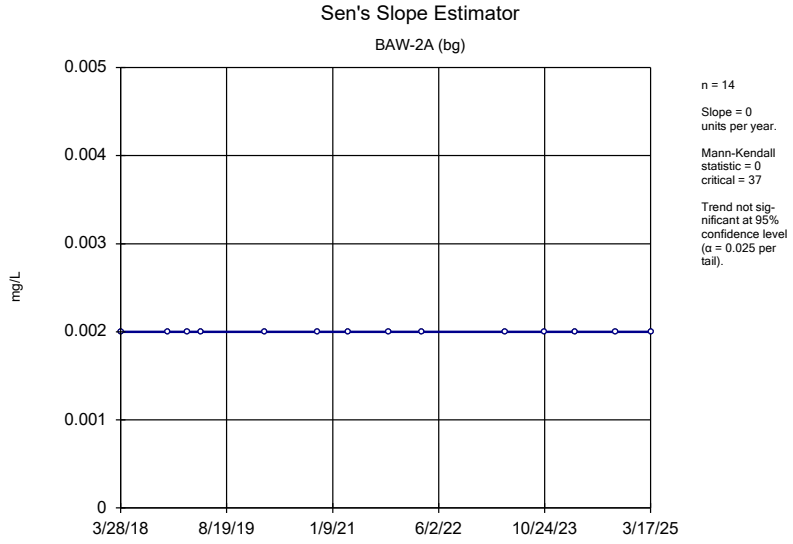
Constituent: Antimony Analysis Run 5/15/2025 10:47 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



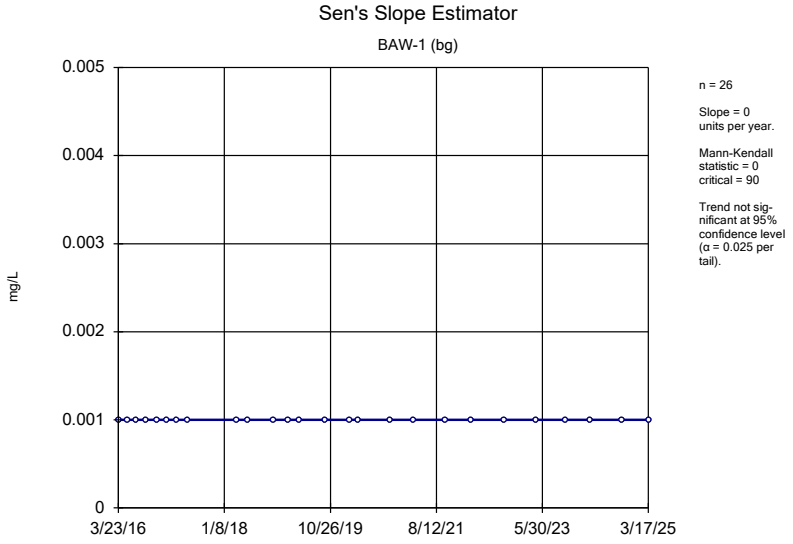
Constituent: Antimony Analysis Run 5/15/2025 10:47 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

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Hollow symbols indicate censored values.



Constituent: Antimony Analysis Run 5/15/2025 10:47 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

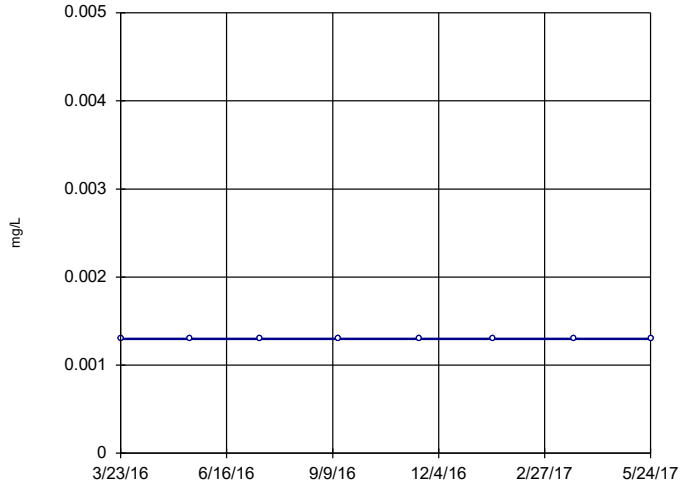


Constituent: Arsenic Analysis Run 5/15/2025 10:47 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 17

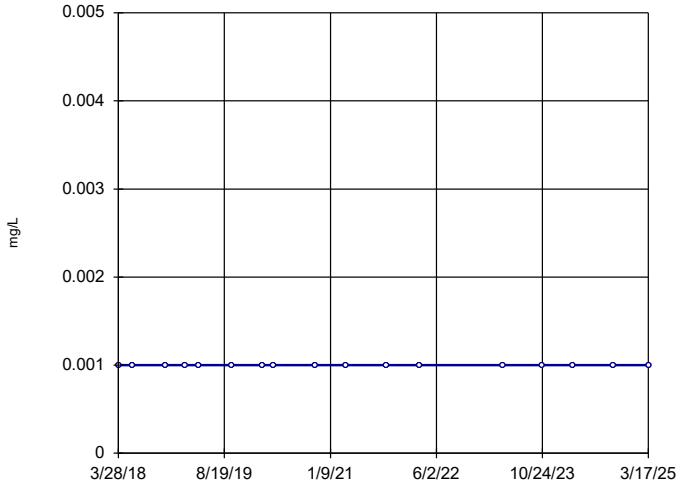
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 5/15/2025 10:47 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 49

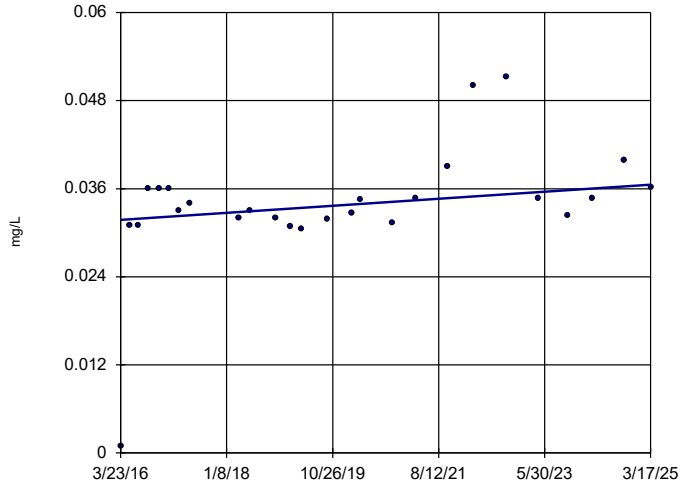
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-1 (bg)



n = 26

Slope = 0.000534 units per year.

Mann-Kendall statistic = 108 critical = 90

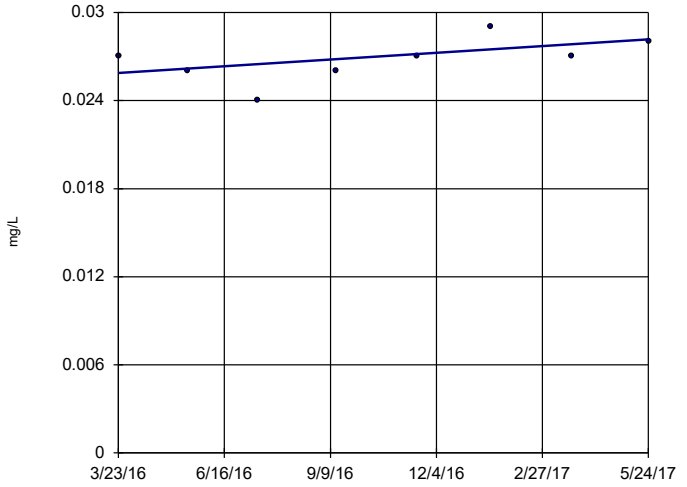
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-2 (bg)



n = 8

Slope = 0.001965 units per year.

Mann-Kendall statistic = 12 critical = 17

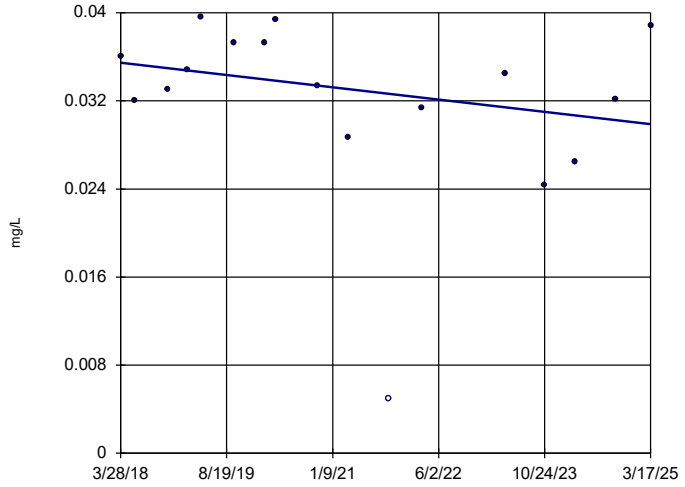
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 17

Slope = -0.0008009 units per year.

Mann-Kendall statistic = -27
critical = -49

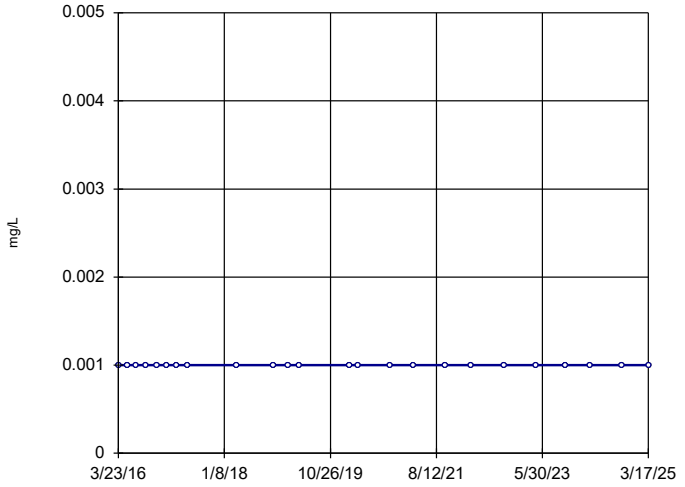
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 81

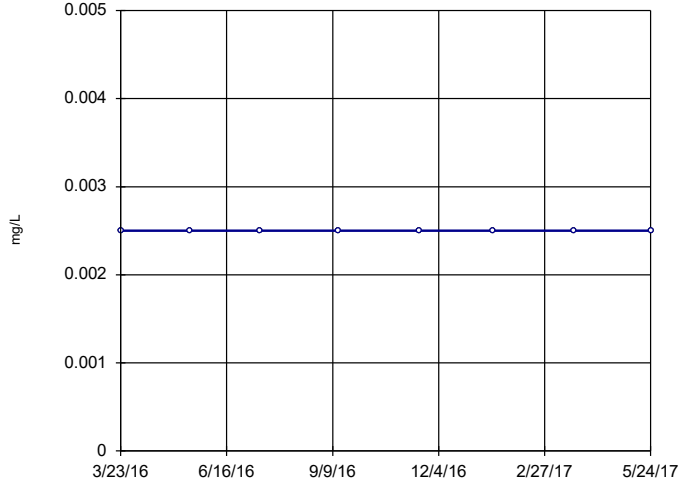
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 17

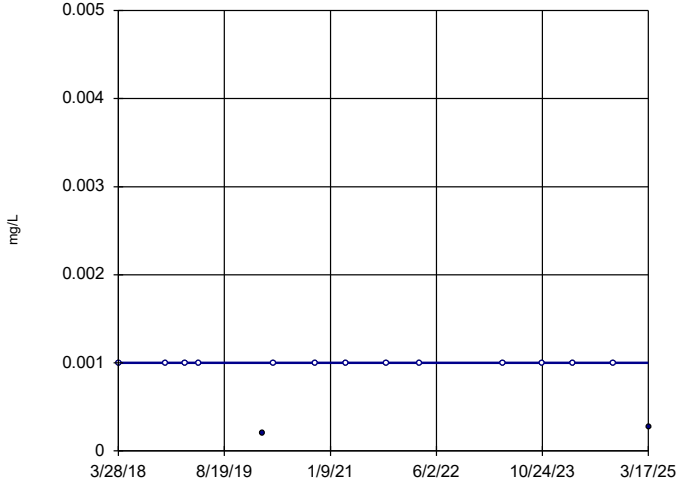
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 15

Slope = 0 units per year.

Mann-Kendall statistic = -7
critical = -41

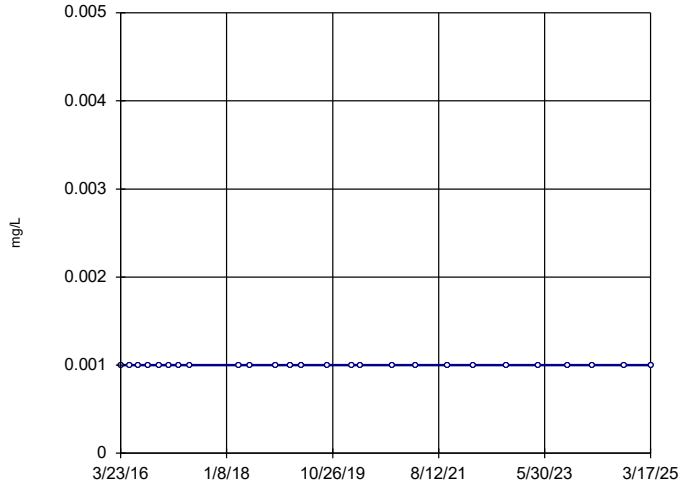
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 90

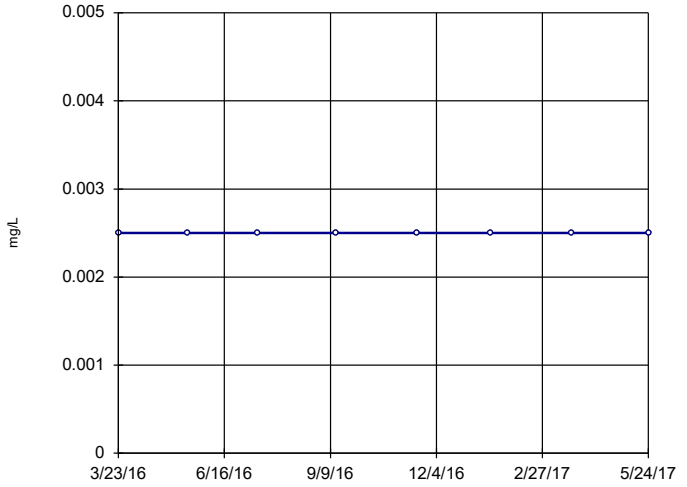
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cadmium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 17

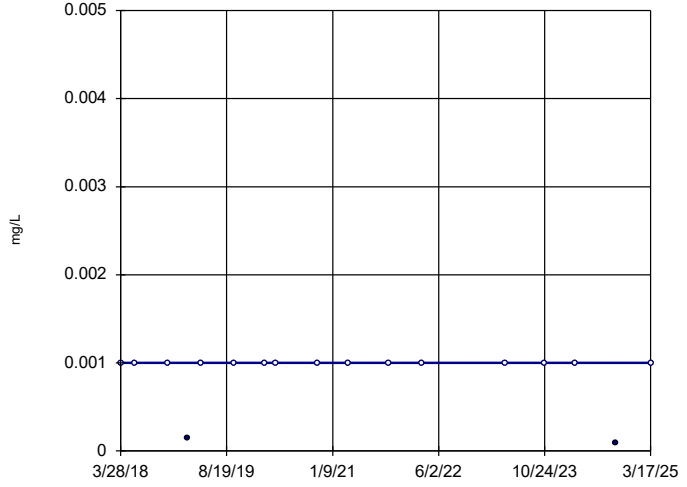
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cadmium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -5 critical = -49

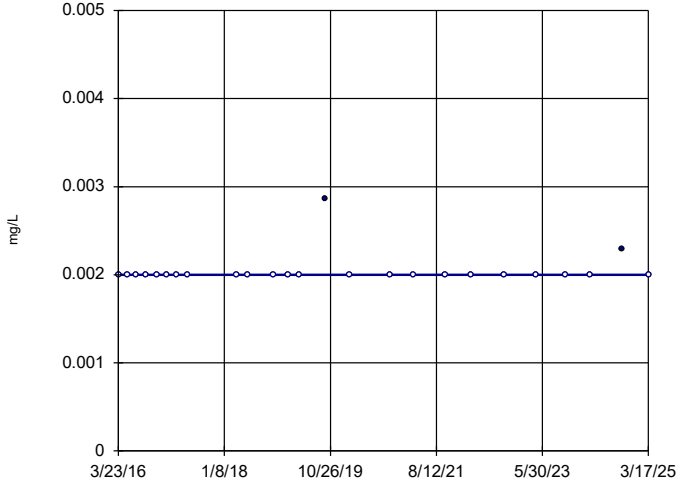
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cadmium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 23 critical = 85

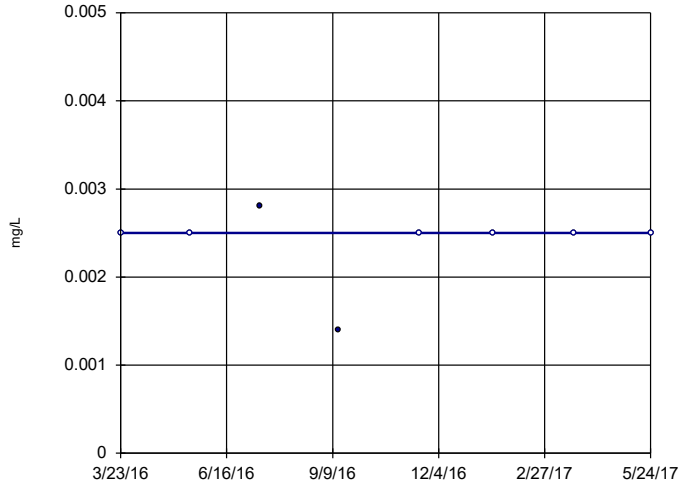
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -17

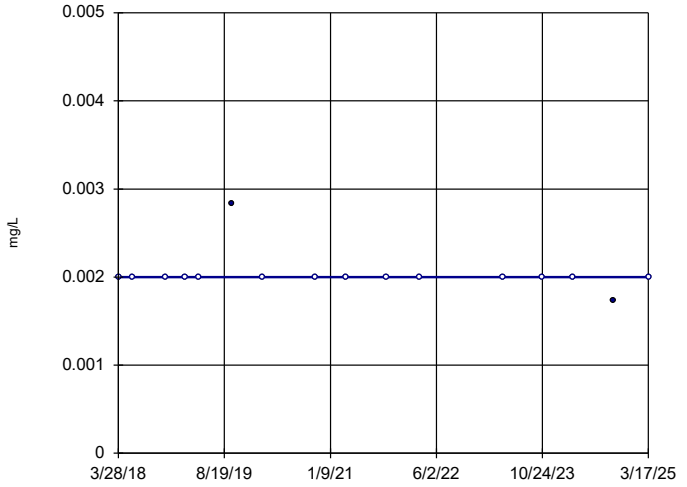
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -17
critical = -45

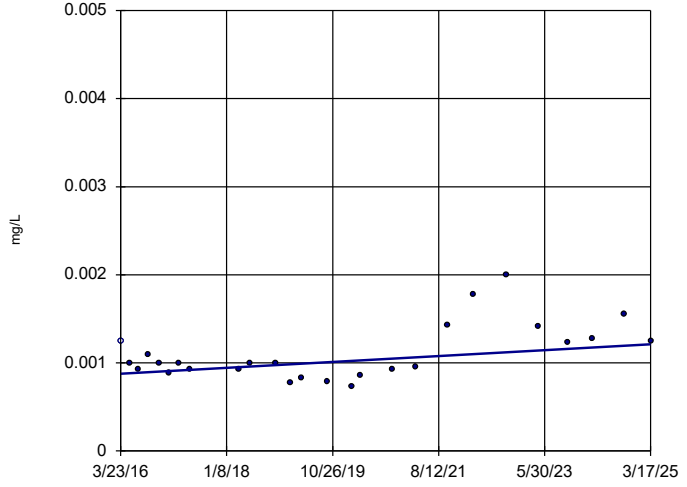
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 26

Slope = 0.00003696 units per year.

Mann-Kendall statistic = 68
critical = 90

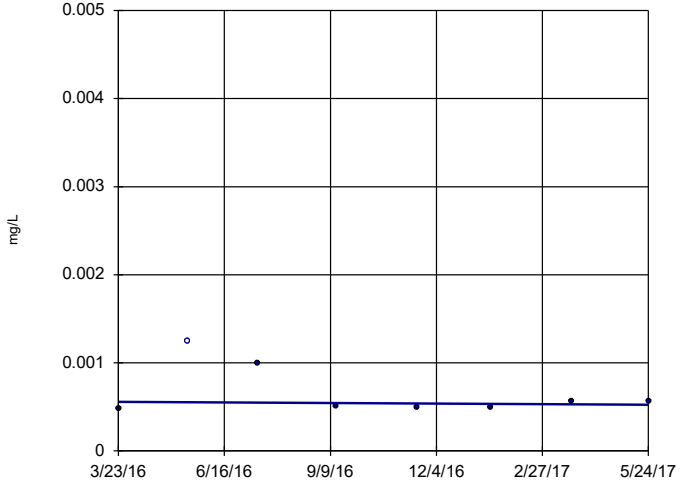
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 8

Slope = -0.00002765 units per year.

Mann-Kendall statistic = -1
critical = -17

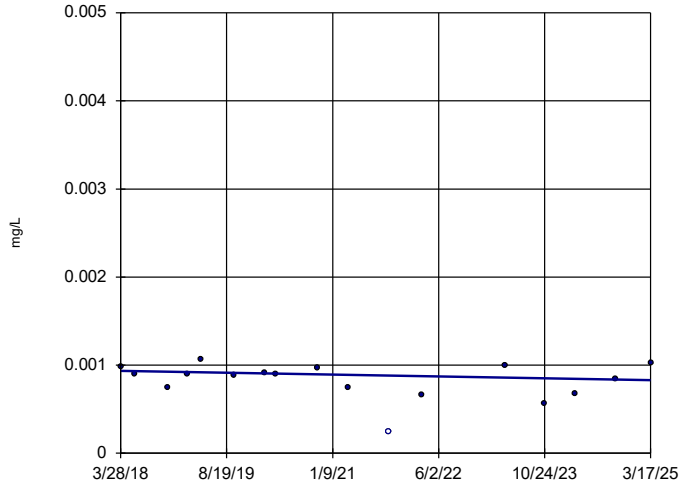
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 17

Slope = -0.00001503 units per year.

Mann-Kendall statistic = -24
critical = -49

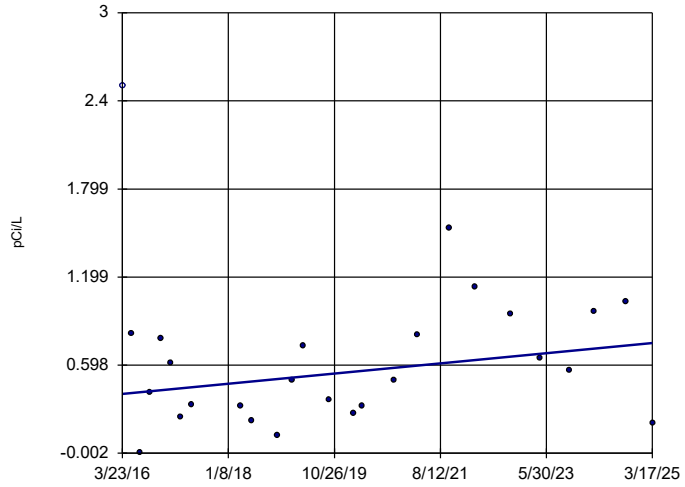
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 26

Slope = 0.03861 units per year.

Mann-Kendall statistic = 53
critical = 90

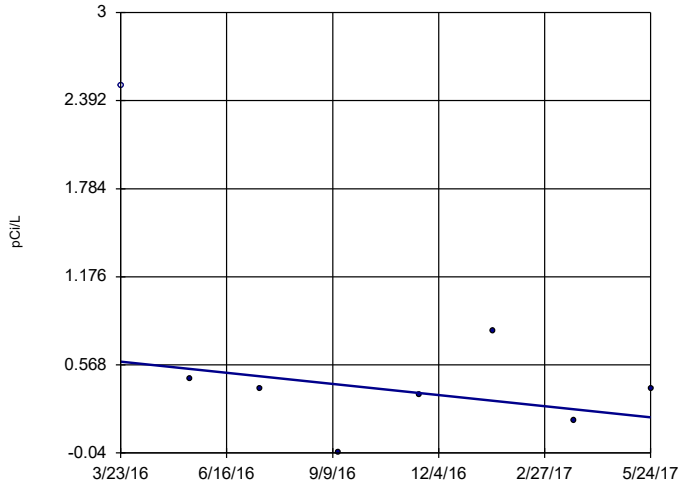
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 8

Slope = -0.3287 units per year.

Mann-Kendall statistic = -8
critical = -17

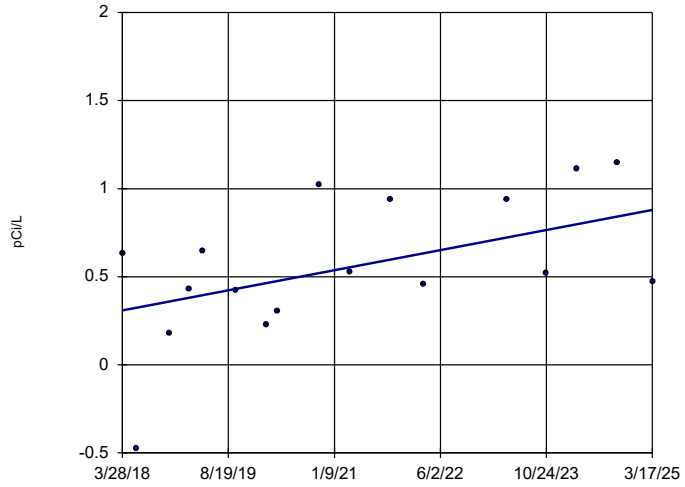
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-2A (bg)



n = 17

Slope = 0.08181 units per year.

Mann-Kendall statistic = 56
critical = 49

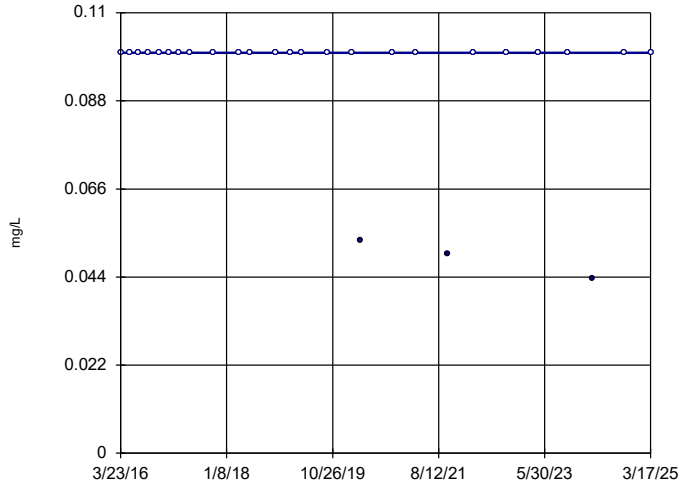
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 27

Slope = 0
units per year.

Mann-Kendall
statistic = -43
critical = -96

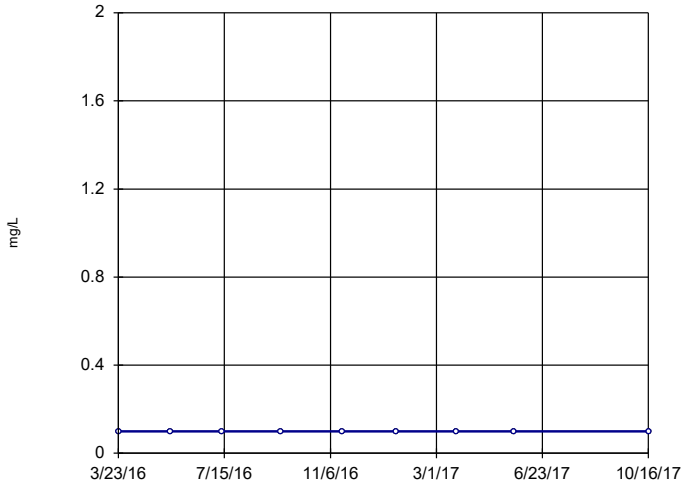
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Fluoride Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 9

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 20

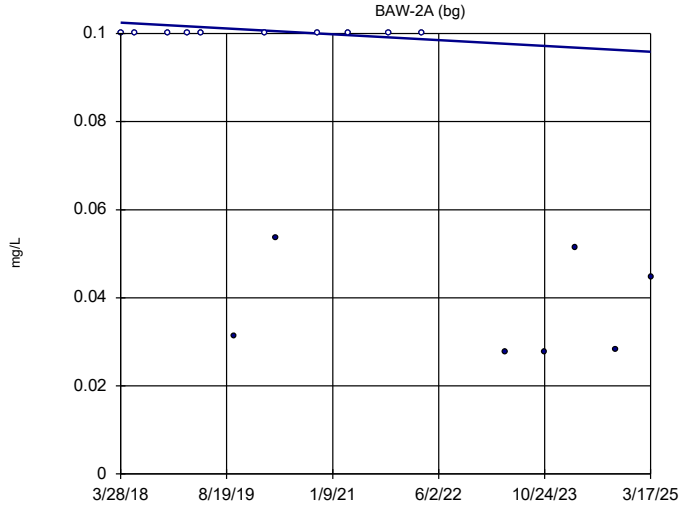
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Fluoride Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 17

Slope = -0.0009448
units per year.

Mann-Kendall
statistic = -53
critical = -49

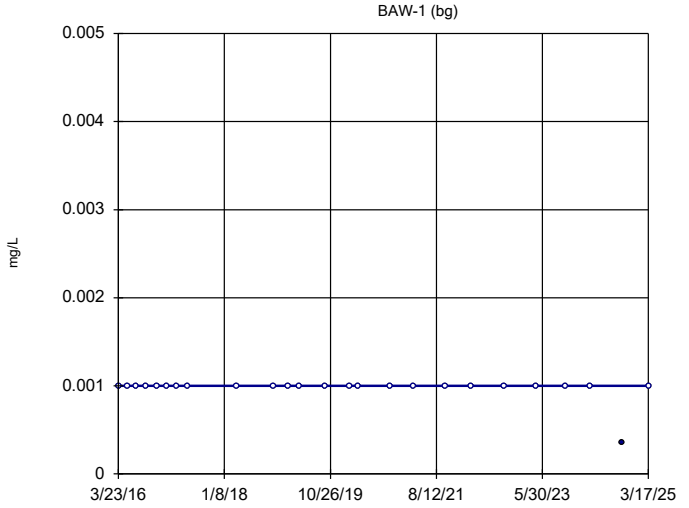
Decreasing trend
significant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Fluoride Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 25

Slope = 0
units per year.

Mann-Kendall
statistic = -22
critical = -85

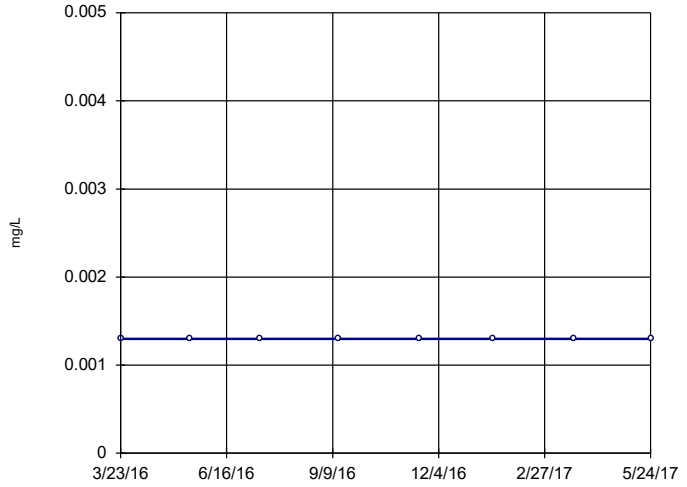
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Lead Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 17

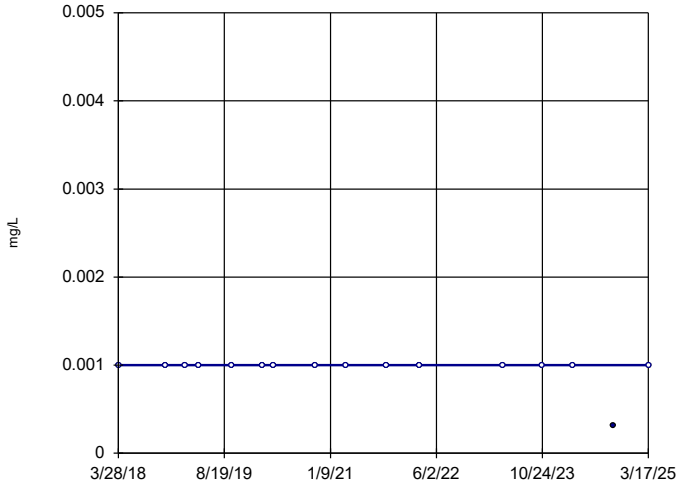
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lead Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -13 critical = -45

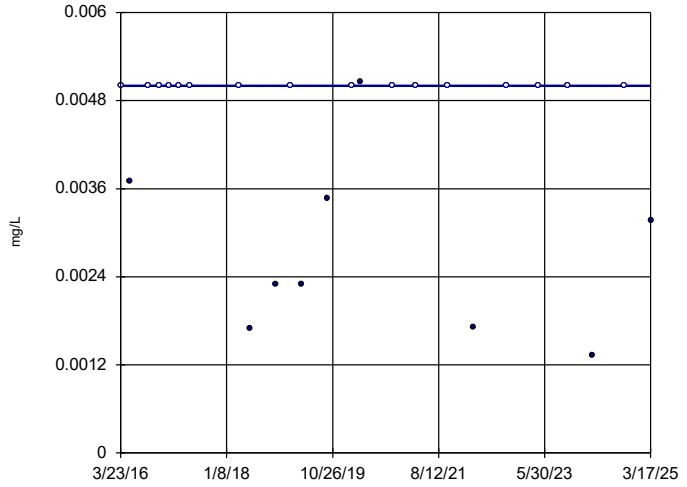
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lead Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -22 critical = -85

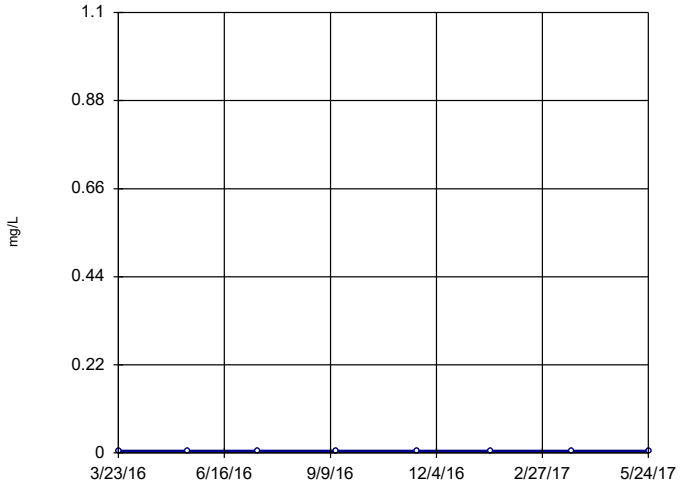
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 17

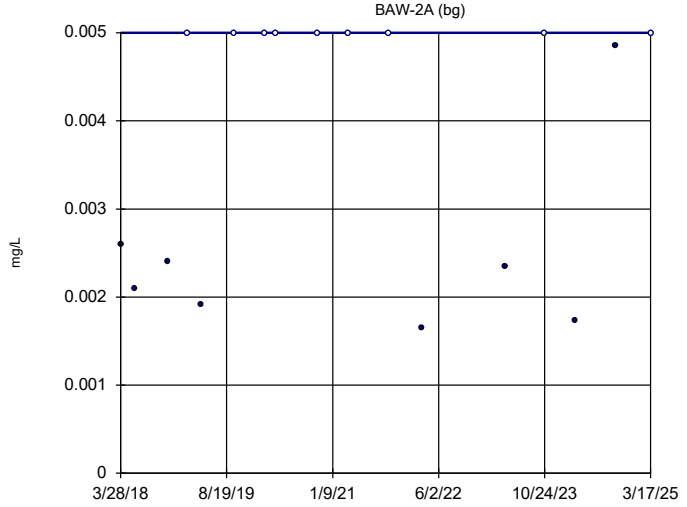
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 6 critical = 49

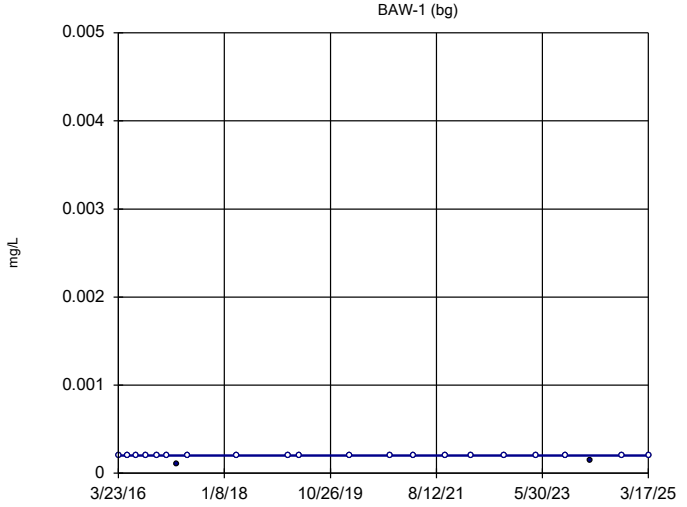
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -7 critical = -71

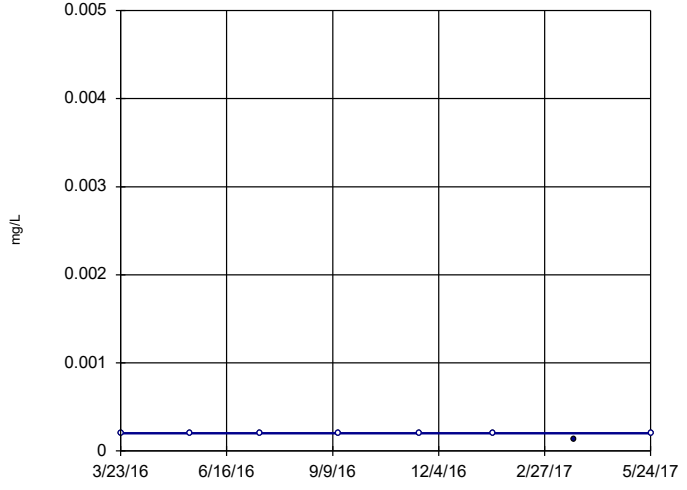
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Mercury Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = -5 critical = -17

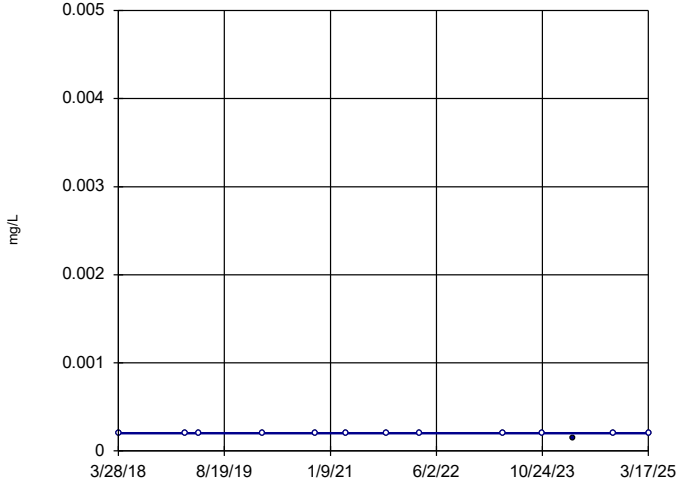
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Mercury Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 13

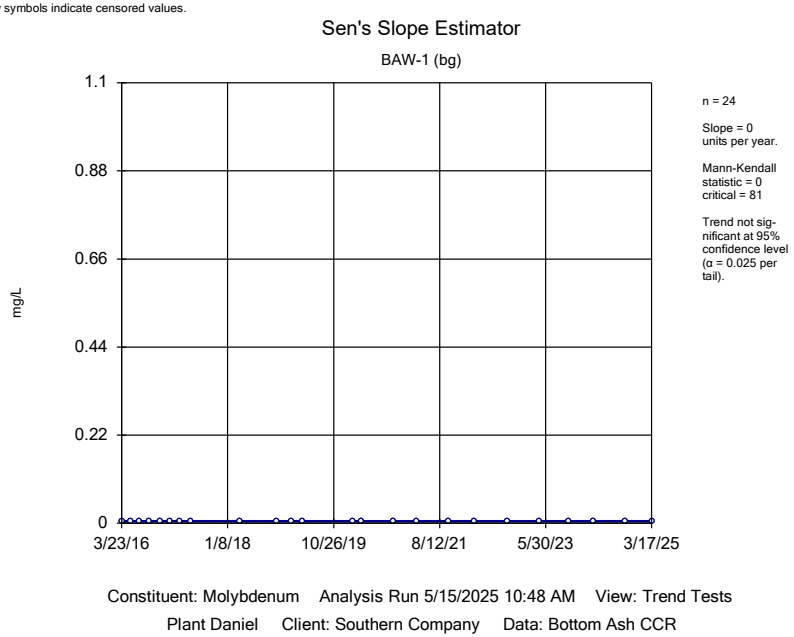
Slope = 0 units per year.

Mann-Kendall statistic = -8 critical = -34

Trend not significant at 95% confidence level (α = 0.025 per tail).

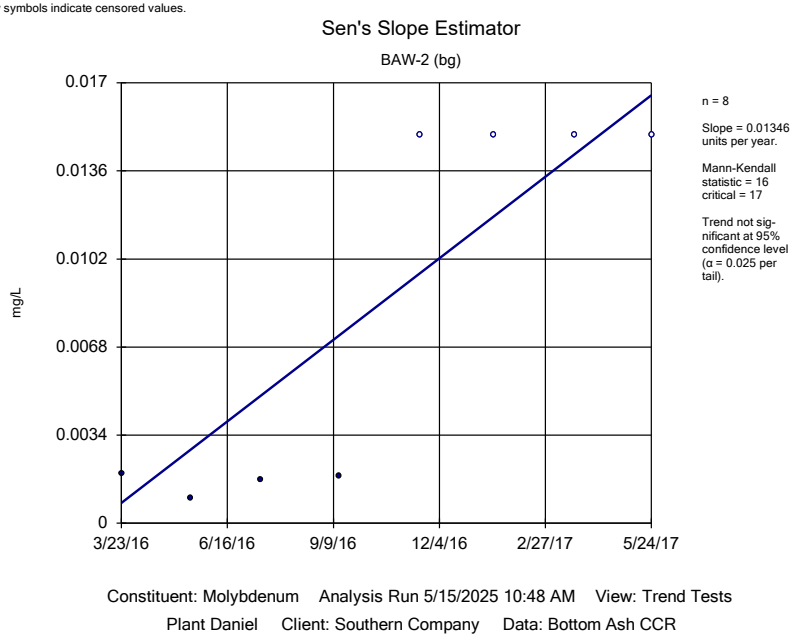
Constituent: Mercury Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



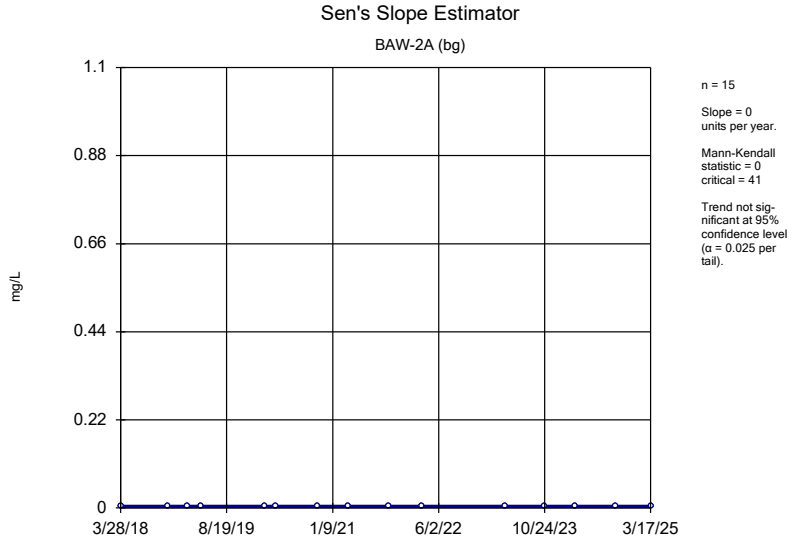
Constituent: Molybdenum Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



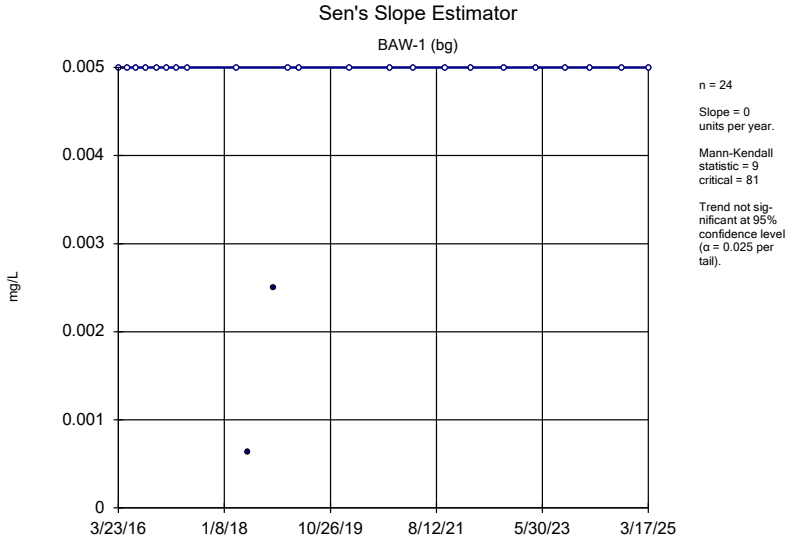
Constituent: Molybdenum Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



Constituent: Molybdenum Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

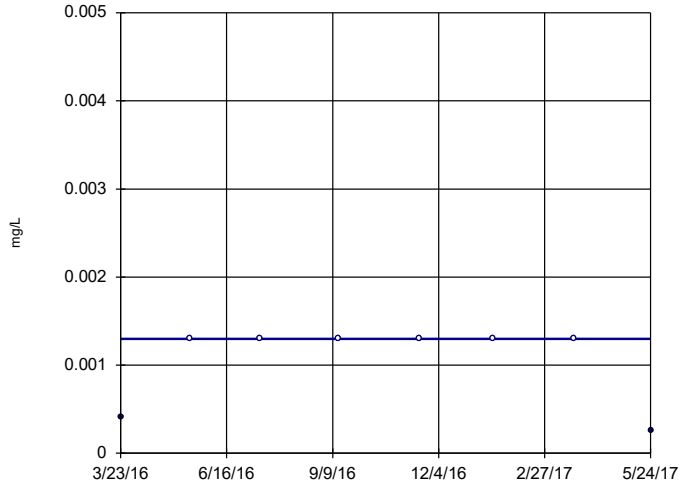


Constituent: Selenium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = -1 critical = -17

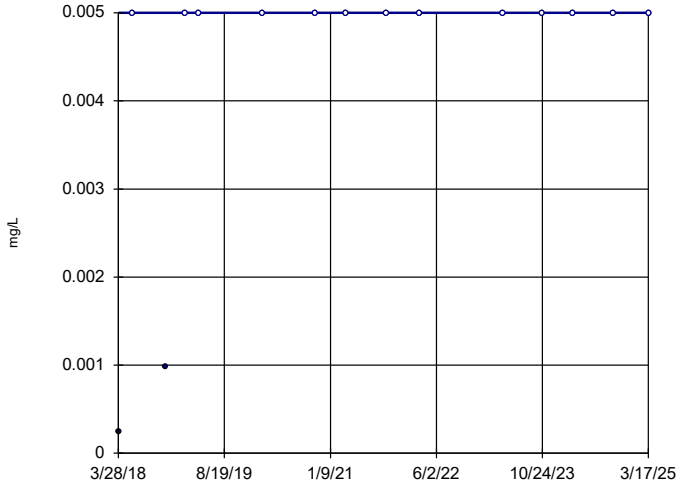
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Selenium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 15

Slope = 0 units per year.

Mann-Kendall statistic = 25 critical = 41

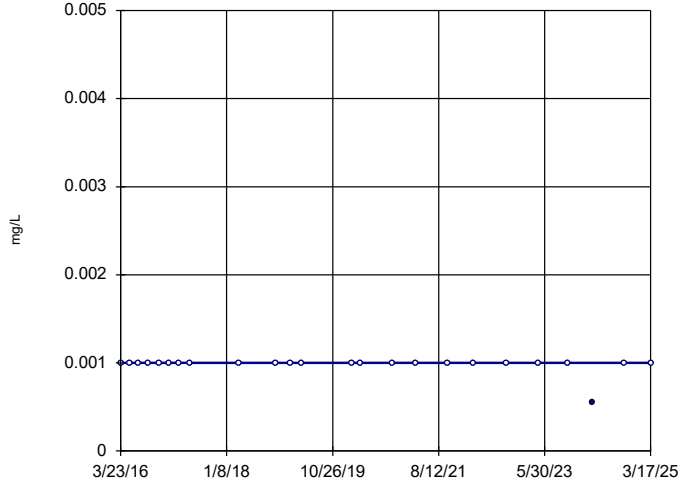
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Selenium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -19 critical = -81

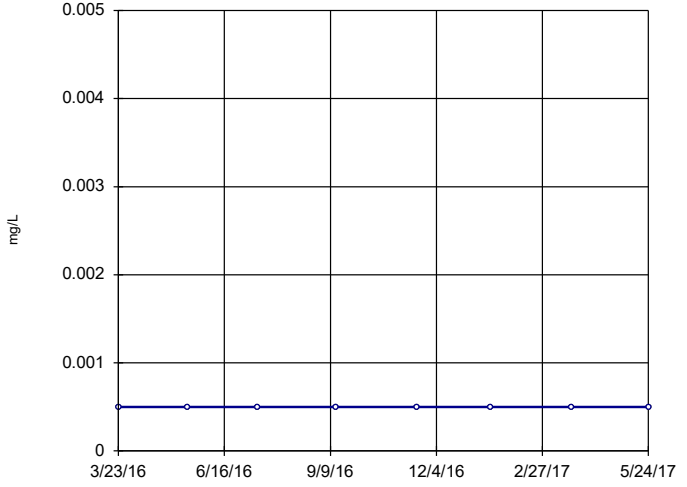
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 17

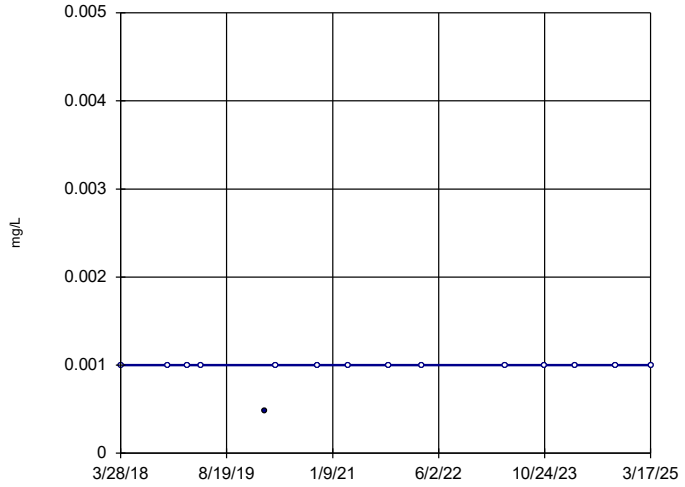
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 5/15/2025 10:48 AM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 15

Slope = 0 units per year.

Mann-Kendall statistic = 6 critical = 41

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 5/15/2025 10:48 AM View: Trend Tests

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Prediction Limits - Interwell

Appendix III - Interwell Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/6/2025, 3:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**BAW-5**	**0.0928**	**n/a**	**3/18/2025**	**0.772**	**Yes**	**53**	**81.13**	**n/a**	**n/a**	**0.0006789**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**BAW-4**	**2.8**	**n/a**	**3/17/2025**	**6.06**	**Yes**	**53**	**3.774**	**n/a**	**n/a**	**0.0006789**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BAW-5**	**2.8**	**n/a**	**3/18/2025**	**34.5**	**Yes**	**53**	**3.774**	**n/a**	**n/a**	**0.0006789**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	**BAW-5**	**0.1**	**n/a**	**3/18/2025**	**0.145**	**Yes**	**53**	**81.13**	**n/a**	**n/a**	**0.0006789**	**NP Inter (NDs) 1 of 2**
pH (SU)	**BAW-5**	**5.77**	**4.59**	**3/18/2025**	**6.22**	**Yes**	**51**	**0**	**n/a**	**n/a**	**0.001446**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BAW-5**	**7.68**	**n/a**	**3/18/2025**	**42.7**	**Yes**	**51**	**37.25**	**n/a**	**n/a**	**0.0007231**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**BAW-5**	**58.1**	**n/a**	**3/18/2025**	**168**	**Yes**	**51**	**7.843**	**None**	**sqrt(x)**	**0.00188**	**Param Inter 1 of 2**

Appendix III - Interwell Prediction Limits - All Results

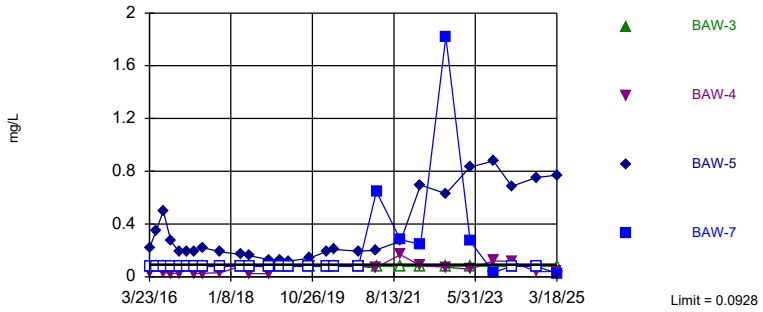
Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/6/2025, 3:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	BAW-3	0.0928	n/a	3/18/2025	0.08ND	No	53	81.13	n/a	n/a	0.0006789	NP Inter (NDs) 1 of 2
Boron (mg/L)	BAW-4	0.0928	n/a	3/17/2025	0.0398J	No	53	81.13	n/a	n/a	0.0006789	NP Inter (NDs) 1 of 2
Boron (mg/L)	**BAW-5**	**0.0928**	**n/a**	**3/18/2025**	**0.772**	**Yes**	**53**	**81.13**	**n/a**	**n/a**	**0.0006789**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	BAW-7	0.0928	n/a	3/18/2025	0.027J	No	53	81.13	n/a	n/a	0.0006789	NP Inter (NDs) 1 of 2
Calcium (mg/L)	BAW-3	2.8	n/a	3/18/2025	0.799	No	53	3.774	n/a	n/a	0.0006789	NP Inter (normality) 1 of 2
Calcium (mg/L)	**BAW-4**	**2.8**	**n/a**	**3/17/2025**	**6.06**	**Yes**	**53**	**3.774**	**n/a**	**n/a**	**0.0006789**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BAW-5**	**2.8**	**n/a**	**3/18/2025**	**34.5**	**Yes**	**53**	**3.774**	**n/a**	**n/a**	**0.0006789**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BAW-7	2.8	n/a	3/18/2025	0.94	No	53	3.774	n/a	n/a	0.0006789	NP Inter (normality) 1 of 2
Chloride (mg/L)	BAW-3	16.4	n/a	3/18/2025	5.19	No	51	0	n/a	n/a	0.0007231	NP Inter (normality) 1 of 2
Chloride (mg/L)	BAW-4	16.4	n/a	3/17/2025	6.8	No	51	0	n/a	n/a	0.0007231	NP Inter (normality) 1 of 2
Chloride (mg/L)	BAW-5	16.4	n/a	3/18/2025	9.76	No	51	0	n/a	n/a	0.0007231	NP Inter (normality) 1 of 2
Chloride (mg/L)	BAW-7	16.4	n/a	3/18/2025	5.02	No	51	0	n/a	n/a	0.0007231	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BAW-3	0.1	n/a	3/18/2025	0.0294J	No	53	81.13	n/a	n/a	0.0006789	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	BAW-4	0.1	n/a	3/17/2025	0.0657J	No	53	81.13	n/a	n/a	0.0006789	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**BAW-5**	**0.1**	**n/a**	**3/18/2025**	**0.145**	**Yes**	**53**	**81.13**	**n/a**	**n/a**	**0.0006789**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	BAW-7	0.1	n/a	3/18/2025	0.0432J	No	53	81.13	n/a	n/a	0.0006789	NP Inter (NDs) 1 of 2
pH (SU)	BAW-3	5.77	4.59	3/18/2025	4.66	No	51	0	n/a	n/a	0.001446	NP Inter (normality) 1 of 2
pH (SU)	BAW-4	5.77	4.59	3/17/2025	5.77	No	51	0	n/a	n/a	0.001446	NP Inter (normality) 1 of 2
pH (SU)	**BAW-5**	**5.77**	**4.59**	**3/18/2025**	**6.22**	**Yes**	**51**	**0**	**n/a**	**n/a**	**0.001446**	**NP Inter (normality) 1 of 2**
pH (SU)	BAW-7	5.77	4.59	3/18/2025	5.03	No	51	0	n/a	n/a	0.001446	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BAW-3	7.68	n/a	3/18/2025	6.81	No	51	37.25	n/a	n/a	0.0007231	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BAW-4	7.68	n/a	3/17/2025	7.47	No	51	37.25	n/a	n/a	0.0007231	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BAW-5**	**7.68**	**n/a**	**3/18/2025**	**42.7**	**Yes**	**51**	**37.25**	**n/a**	**n/a**	**0.0007231**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BAW-7	7.68	n/a	3/18/2025	0.941J	No	51	37.25	n/a	n/a	0.0007231	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BAW-3	58.1	n/a	3/18/2025	14	No	51	7.843	None	sqrt(x)	0.00188	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BAW-4	58.1	n/a	3/17/2025	37	No	51	7.843	None	sqrt(x)	0.00188	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	**BAW-5**	**58.1**	**n/a**	**3/18/2025**	**168**	**Yes**	**51**	**7.843**	**None**	**sqrt(x)**	**0.00188**	**Param Inter 1 of 2**
Total Dissolved Solids (mg/L)	BAW-7	58.1	n/a	3/18/2025	26	No	51	7.843	None	sqrt(x)	0.00188	Param Inter 1 of 2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Exceeds Limit: BAW-5

Prediction Limit

Interwell Non-parametric



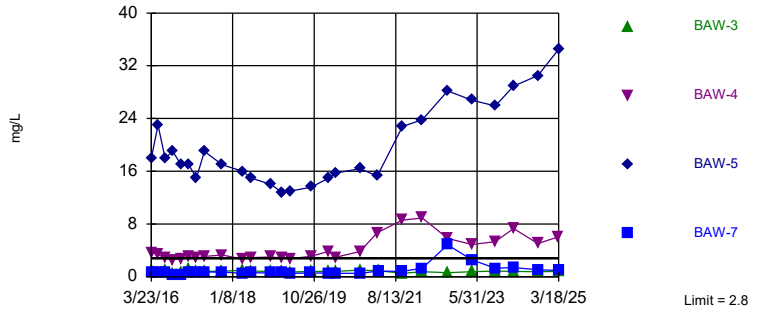
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 53 background values. 81.13% NDs. Annual per-constituent alpha = 0.005418. Individual comparison alpha = 0.0006789 (1 of 2). Comparing 4 points to limit.

Constituent: Boron Analysis Run 5/6/2025 3:12 PM View: Interwell
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Exceeds Limit: BAW-4, BAW-5

Prediction Limit

Interwell Non-parametric



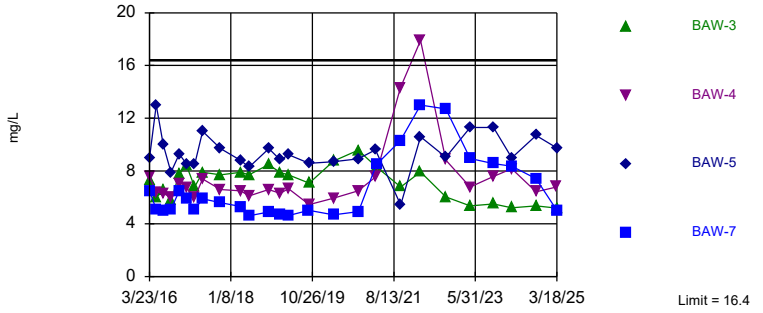
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 53 background values. 3.774% NDs. Annual per-constituent alpha = 0.005418. Individual comparison alpha = 0.0006789 (1 of 2). Comparing 4 points to limit.

Constituent: Calcium Analysis Run 5/6/2025 3:13 PM View: Interwell
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Within Limit

Prediction Limit

Interwell Non-parametric



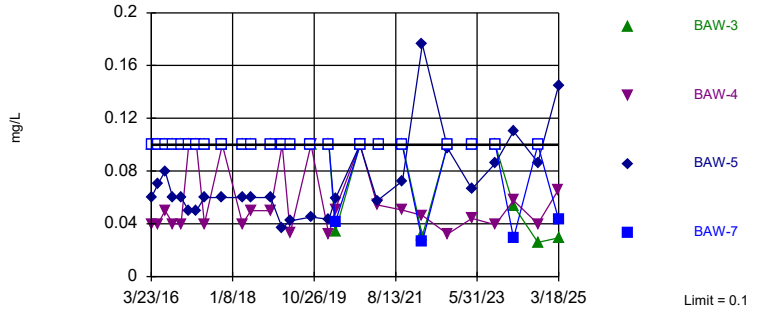
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 51 background values. Annual per-constituent alpha = 0.00577. Individual comparison alpha = 0.0007231 (1 of 2). Comparing 4 points to limit.

Constituent: Chloride Analysis Run 5/6/2025 3:13 PM View: Interwell
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Exceeds Limit: BAW-5

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 53 background values. 81.13% NDs. Annual per-constituent alpha = 0.005418. Individual comparison alpha = 0.0006789 (1 of 2). Comparing 4 points to limit.

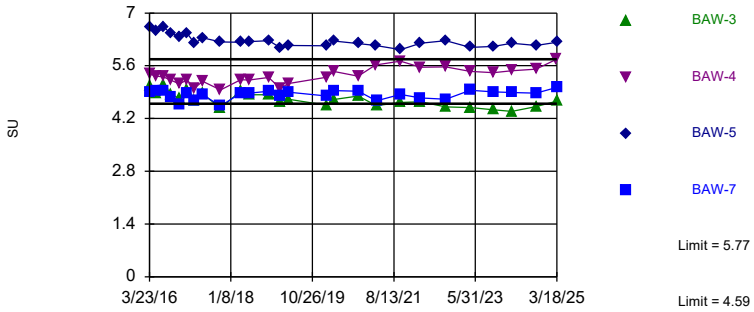
Constituent: Fluoride Analysis Run 5/6/2025 3:13 PM View: Interwell
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limits: BAW-5

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 51 background values. Annual per-constituent alpha = 0.01154. Individual comparison alpha = 0.001446 (1 of 2). Comparing 4 points to limit.

Constituent: pH Analysis Run 5/6/2025 3:13 PM View: Interwell

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

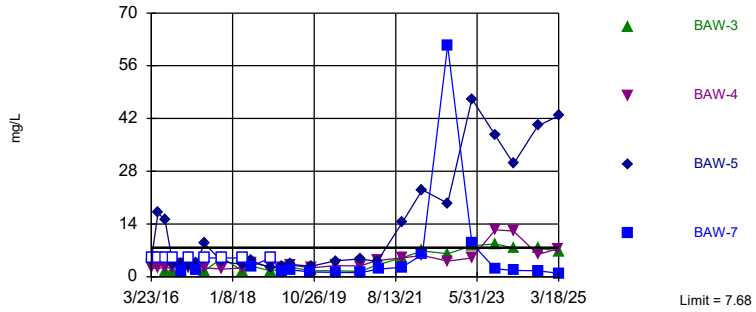
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Exceeds Limit: BAW-5

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 51 background values. 37.25% NDs. Annual per-constituent alpha = 0.00577. Individual comparison alpha = 0.0007231 (1 of 2). Comparing 4 points to limit.

Constituent: Sulfate Analysis Run 5/6/2025 3:13 PM View: Interwell

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

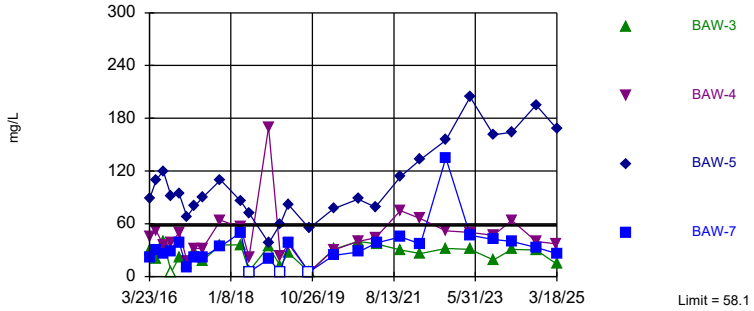
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Exceeds Limit: BAW-5

Prediction Limit

Interwell Parametric



Background Data Summary (based on square root transformation): Mean=4.946, Std. Dev.=1.487, n=51, 7.843% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9468, critical = 0.935. Kappa = 1.8 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.00188. Comparing 4 points to limit.

Constituent: Total Dissolved Solids Analysis Run 5/6/2025 3:13 PM View: Interwell

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/6/2025 3:14 PM View: Interwell

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-7	BAW-5	BAW-3	BAW-2 (bg)	BAW-4	BAW-2A (bg)
3/23/2016	<0.08	<0.08	0.22	<0.08	<0.08	0.037 (J)	
5/17/2016	<0.08	<0.08	0.35			<0.08	
5/18/2016				<0.08	<0.08		
7/12/2016	<0.08	<0.08					
7/13/2016			0.5	<0.08	<0.08	0.032 (J)	
9/13/2016	<0.08	<0.08	0.27				
9/14/2016				<0.08	<0.08	0.027 (J)	
11/19/2016	<0.08	<0.08	0.19	<0.08	<0.08	0.024 (J)	
1/17/2017	<0.08	<0.08		<0.08	<0.08		
1/18/2017			0.19			<0.08	
3/22/2017	<0.08	<0.08					
3/23/2017			0.19	<0.08	<0.08	0.024 (J)	
5/24/2017	<0.08	<0.08	0.22	<0.08	<0.08	0.027 (J)	
10/16/2017	<0.08	<0.08	0.19	<0.08	<0.08	0.03 (J)	
3/28/2018	<0.08		0.17	<0.08		<0.08	<0.08
3/29/2018		<0.08					
6/2/2018	<0.08	<0.08	0.16	<0.08		0.025 (J)	<0.08
11/8/2018	<0.08			<0.08		0.024 (J)	
11/9/2018		<0.08	0.13				<0.08
2/11/2019	<0.08		0.126			<0.08	
2/12/2019		<0.08		<0.08			<0.08
4/17/2019	<0.08		0.118	<0.08		<0.08	<0.08
4/18/2019		<0.08					
9/27/2019	<0.08	<0.08					<0.08
9/30/2019			0.14	<0.08		<0.08	
2/21/2020	0.0928	<0.08		<0.08			0.0589 (J)
2/22/2020			0.193			<0.08	
4/14/2020	<0.08	<0.08	0.209	<0.08		<0.08	0.0424 (J)
10/30/2020	<0.08		0.194	<0.08		<0.08	0.0495 (J)
11/2/2020		<0.08					
3/17/2021			0.2			0.0673 (J)	
3/26/2021	<0.08	0.647		<0.08			<0.08
10/5/2021	<0.08	0.281				0.168	
10/6/2021			0.272	<0.08			<0.08
3/16/2022	<0.08	0.247	0.695	<0.08		0.084	0.0717 (J)
10/5/2022	<0.08			<0.08		0.0714 (J)	
10/6/2022		1.82	0.631				
4/20/2023	<0.08			<0.08			0.0711 (J)
4/21/2023		0.271	0.831			0.058 (J)	
10/24/2023	<0.08	0.0336 (J)					0.0502 (J)
10/25/2023			0.877	<0.08		0.122	
3/20/2024	<0.08		0.686				
3/21/2024		<0.08		<0.08		0.115	0.0604 (J)
10/2/2024	<0.08	<0.08	0.751	<0.08		0.0389 (J)	0.0647 (J)
3/17/2025	<0.08					0.0398 (J)	0.0608 (J)
3/18/2025		0.027 (J)	0.772	<0.08			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/6/2025 3:14 PM View: Interwell

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-7	BAW-5	BAW-3	BAW-2 (bg)	BAW-4	BAW-2A (bg)
3/23/2016	<0.5	0.65	18	1.1	2.6	3.7	
5/17/2016	0.84	0.68	23			3.4	
5/18/2016				0.56	1.3		
7/12/2016	0.79	0.62					
7/13/2016			18	0.95	1.1	2.8	
9/13/2016	0.42	0.25	19				
9/14/2016				0.4	1.1	2.6	
11/19/2016	1.2	0.36	17	0.62	1	2.7	
1/17/2017	1.4	0.66		1.2	0.87		
1/18/2017			17			3.1	
3/22/2017	0.95	0.65					
3/23/2017			15	0.87	0.74	2.8	
5/24/2017	1.3	0.72	19	0.81	0.84	3.1	
10/16/2017	0.93	0.7	17	0.86	0.76	3.3	
3/28/2018	1		16	0.97		2.7	2.8
3/29/2018		0.55					
6/2/2018	0.93	0.6	15	0.86		2.9	0.71
11/8/2018	1			0.84		3	
11/9/2018		0.59	14				0.61
2/11/2019	1		12.8			2.88	
2/12/2019		0.608		0.856			0.757
4/17/2019	0.893		13	0.711		2.77	0.755
4/18/2019		0.55					
9/27/2019	0.8	0.598					0.663
9/30/2019			13.6	0.826		3.08	
2/21/2020	1.02	0.552		0.841			0.648
2/22/2020			15			3.86	
4/14/2020	0.887	0.532	15.7	0.811		2.95	0.67
10/30/2020	0.945		16.4	1		3.84	0.672
11/2/2020		0.535					
3/17/2021			15.3			6.69	
3/26/2021	0.965	0.848		0.937			0.644
10/5/2021	0.996	0.829				8.57	
10/6/2021			22.8	0.532			<0.5
3/16/2022	1.32	1.28	23.8	0.78		8.94	0.539
10/5/2022	1.42			0.647		5.81	
10/6/2022		4.84	28.2				
4/20/2023	0.996			0.789			0.685
4/21/2023		2.56	26.8			4.87	
10/24/2023	0.918	1.3					0.498 (J)
10/25/2023			25.9	0.875		5.35	
3/20/2024	1.05		28.9				
3/21/2024		1.38		0.818		7.31	0.469 (J)
10/2/2024	1.24	1.08	30.5	0.781		5.03	0.681
3/17/2025	1.34					6.06	0.795
3/18/2025		0.94	34.5	0.799			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/6/2025 3:14 PM View: Interwell

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-7	BAW-5	BAW-3	BAW-2 (bg)	BAW-4	BAW-2A (bg)
3/23/2016	6.5	6.5	9	7.3	5.1	7.6	
5/17/2016	4.9	5.1	13			6.4	
5/18/2016				6	4.2		
7/12/2016	5.3	5					
7/13/2016			10	6.6	4.7	6.3	
9/13/2016	4.8 (F1)	5.1	7.9				
9/14/2016				5.8	4.5	6	
11/19/2016	7.1	6.5	9.3	7.8	6.1	7	
1/17/2017	5.8	5.9		8.4	5.4		
1/18/2017			8.5			6.7	
3/22/2017	4.9	5.1					
3/23/2017			8.5	6.8	5.1	6	
5/24/2017	5.9	5.9	11	7.9	5.5	7.4	
10/16/2017	5.7	5.6	9.7	7.7	6.1	6.6	
3/28/2018	5.7		8.8	7.9		6.5	6.7
3/29/2018		5.3					
6/2/2018	4.7	4.6	8.3	7.7		6.1	5.8
11/8/2018	5.6			8.5		6.6	
11/9/2018		4.9	9.7				7.2
2/11/2019	4.84		8.84			6.31	
2/12/2019		4.72		7.89			8.4
4/17/2019	4.99		9.24	7.71		6.68	8.03
4/18/2019		4.64					
9/27/2019	5.08	5.02					8.37
9/30/2019			8.59	7.07		5.45	
4/14/2020	4.91	4.68	8.71	8.75		5.93	7.57
10/30/2020	5.55		8.93	9.58		6.49	7.59
11/2/2020		4.91					
3/17/2021			9.6			7.55	
3/26/2021	5.92	8.5		8.32			6.21
10/5/2021	6.21	10.3				14.3	
10/6/2021			5.44	6.8			16.4
3/16/2022	7.85	13	10.6	7.94		17.9	11.5
10/5/2022	6.75			6.04		8.84	
10/6/2022		12.7	9.04				
4/20/2023	5.22			5.36			9.6
4/21/2023		8.95	11.3			6.78	
10/24/2023	6.29	8.57					10
10/25/2023			11.3	5.5		7.6	
3/20/2024	6.17		9				
3/21/2024		8.37		5.21		8.17	9.52
10/2/2024	6.38	7.43	10.7	5.35		6.42	10.7
3/17/2025	6.32					6.8	12.2
3/18/2025		5.02	9.76	5.19			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/6/2025 3:14 PM View: Interwell

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-7	BAW-5	BAW-3	BAW-2 (bg)	BAW-4	BAW-2A (bg)
3/23/2016	<0.1	<0.1	0.06 (J)	<0.1	<0.1	0.04 (J)	
5/17/2016	<0.1	<0.1	0.07 (J)			0.04 (J)	
5/18/2016				<0.1	<0.1		
7/12/2016	<0.1	<0.1					
7/13/2016			0.08 (J)	<0.1	<0.1	0.05 (J)	
9/13/2016	<0.1	<0.1	0.06 (J)				
9/14/2016				<0.1	<0.1	0.04 (J)	
11/19/2016	<0.1	<0.1	0.06 (J)	<0.1	<0.1	0.04 (J)	
1/17/2017	<0.1	<0.1		<0.1	<0.1		
1/18/2017			0.05 (J)			<0.1	
3/22/2017	<0.1	<0.1					
3/23/2017			0.05 (J)	<0.1	<0.1	<0.1	
5/24/2017	<0.1	<0.1 (D)	0.06 (J)	<0.1	<0.1	0.04 (J)	
10/16/2017	<0.1	<0.1	0.06 (J)	<0.1	<0.1	<0.1	
3/28/2018	<0.1		0.06 (J)	<0.1		0.04 (J)	<0.1
3/29/2018		<0.1					
6/2/2018	<0.1	<0.1	0.06 (J)	<0.1		0.05 (J)	<0.1
11/8/2018	<0.1			<0.1		0.05 (J)	
11/9/2018		<0.1	0.06 (J)				<0.1
2/11/2019	<0.1		0.0368 (J)			<0.1	
2/12/2019		<0.1		<0.1			<0.1
4/17/2019	<0.1		0.0421 (J)	<0.1		0.033 (J)	<0.1
4/18/2019		<0.1					
9/27/2019	<0.1	<0.1					0.0313 (J)
9/30/2019			0.045 (J)	<0.1		<0.1	
2/21/2020	<0.1	<0.1		<0.1			<0.1
2/22/2020			0.0434 (J)			0.0317 (J)	
4/14/2020	0.0532 (J)	0.0415 (J)	0.059 (J)	0.034 (J)		0.0508 (J)	0.0537 (J)
10/30/2020	<0.1		<0.1	<0.1		<0.1	<0.1
11/2/2020		<0.1					
3/17/2021			0.0575 (J)			0.0544 (J)	
3/26/2021	<0.1	<0.1		<0.1			<0.1
10/5/2021	0.0499 (J)	<0.1				0.0505 (J)	
10/6/2021			0.0725 (J)	<0.1			<0.1
3/16/2022	<0.1	0.0266 (J)	0.176	0.0307 (J)		0.0462 (J)	<0.1
10/5/2022	<0.1			<0.1		0.0322 (J)	
10/6/2022		<0.1	0.0972 (J)				
4/20/2023	<0.1			<0.1			0.0278 (J)
4/21/2023		<0.1	0.0665 (J)			0.0441 (J)	
10/24/2023	<0.1	<0.1					0.0276 (J)
10/25/2023			0.0858 (J)	<0.1		0.0393 (J)	
3/20/2024	0.0436 (J)		0.11				
3/21/2024		0.0292 (J)		0.0537 (J)		0.0578 (J)	0.0515 (J)
10/2/2024	<0.1	<0.1	0.0865 (J)	0.026 (J)		0.04 (J)	0.0284 (J)
3/17/2025	<0.1					0.0657 (J)	0.0448 (J)
3/18/2025		0.0432 (J)	0.145	0.0294 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH (SU) Analysis Run 5/6/2025 3:14 PM View: Interwell

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-7	BAW-5	BAW-3	BAW-2 (bg)	BAW-4	BAW-2A (bg)
3/23/2016	5.12	4.89	6.64	5.05	5.52	5.38	
5/17/2016	5.23	4.92	6.52			5.32	
5/18/2016				4.86	5.24		
7/12/2016	5.77	4.93					
7/13/2016			6.63	5.11	5.17	5.31	
9/13/2016	4.98	4.76	6.46				
9/14/2016				4.84	5.04	5.21	
11/19/2016	4.82	4.56	6.38	4.74	4.88	5.12	
1/17/2017	5.04	4.86		4.95	5.04		
1/18/2017			6.47			5.22	
3/22/2017	4.73	4.66					
3/23/2017			6.19	4.66	4.66	5.01	
5/24/2017	5.01	4.83	6.34	4.86	4.93	5.19	
10/16/2017	4.59	4.53	6.23	4.47	4.65	4.96	
3/28/2018	4.87		6.22	4.93		5.23	5.39
3/29/2018		4.87					
6/2/2018	4.92	4.87	6.24	4.83		5.22	5.06
11/8/2018	5			4.83		5.29	
11/9/2018		4.92	6.27				4.92
2/11/2019	4.7		6.08			5	
2/12/2019		4.79		4.65			4.86
4/17/2019	4.9		6.14	4.71		5.13	4.79
4/18/2019		4.9					
2/21/2020	4.86	4.8		4.55			4.73
2/22/2020			6.13			5.3	
4/14/2020	5.23	4.94	6.26	4.7		5.45	4.87
10/30/2020	5		6.19	4.8		5.32	4.87
11/2/2020		4.92					
3/17/2021			6.14			5.62	
3/26/2021	4.86	4.67		4.54			4.7
10/5/2021	5	4.84				5.72	
10/6/2021			6.03	4.63			4.77
3/16/2022	4.92	4.75	6.2	4.64		5.56	4.91
10/5/2022	4.91			4.51		5.57	
10/6/2022		4.71	6.27				
4/20/2023	4.89			4.49			4.83
4/21/2023		4.95	6.09			5.45	
10/24/2023	4.99	4.91					4.98
10/25/2023			6.11	4.43		5.42	
3/20/2024	4.93		6.2				
3/21/2024		4.89		4.39		5.47	4.86
10/2/2024	4.94	4.87	6.14	4.52		5.51	4.95
3/17/2025	5.04					5.77	4.91
3/18/2025		5.03	6.22	4.66			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/6/2025 3:14 PM View: Interwell

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-7	BAW-5	BAW-3	BAW-2 (bg)	BAW-4	BAW-2A (bg)
3/23/2016	<5	<5	4.5 (J)	<5	<5	2.3 (J)	
5/17/2016	<5	<5	17			2.3 (J)	
5/18/2016				<5	<5		
7/12/2016	<5	<5					
7/13/2016			15	1.5 (J)	<5	2.4 (J)	
9/13/2016	<5	<5	3.4 (J)				
9/14/2016				1.6 (J)	<5	2.4 (J)	
11/19/2016	<5	1.5 (J)	3.5 (J)	1.8 (J)	<5	3.3 (J)	
1/17/2017	<5	<5		<5	<5		
1/18/2017			3.2 (J)			2.3 (J)	
3/22/2017	<5	1.9 (J)					
3/23/2017			3.7 (J)	2.3 (J)	1.8 (J)	3.2 (J)	
5/24/2017	<5	<5	8.8	1.6 (J)	1.5 (J)	2.4 (J)	
10/16/2017	<5	<5	4 (J)	<5	<5	2 (J)	
3/28/2018	<5		3.3 (J)	1.6 (J)		2.4 (J)	1.7 (J)
3/29/2018		<5					
6/2/2018	1.9 (J)	2.8 (J)	4.3 (J)	2.9 (J)		3.7 (J)	3 (J)
11/8/2018	<5			1.6 (J)		2.7 (J)	
11/9/2018		<5	2.3 (J)				<5
2/11/2019	0.774 (J)		2.64			2.5	
2/12/2019		1.35		1.97			1.97
4/17/2019	1.43		3.27	2.5		3.15	2.82
4/18/2019		1.82					
9/27/2019	1.03	1.22					2.19
9/30/2019			2.82	1.64		2.34	
4/14/2020	0.928 (J)	1.18	4.2	1.62		2.99	2.71
10/30/2020	0.91 (J)		4.76	1.44		2.84	3.97
11/2/2020		1.08					
3/17/2021			4.07			4.35	
3/26/2021	1.49	2		3.25			2.04
10/5/2021	1.13	2.55				5.02	
10/6/2021			14.5	5.07			5.37
3/16/2022	3.6	5.93	23.1	6.85		5.64	5.37
10/5/2022	1.34			6.07		4.12	
10/6/2022		61.4	19.5				
4/20/2023	2.6			8.2			7.32
4/21/2023		8.82	47.2			5	
10/24/2023	1.8	2.11					7.68
10/25/2023			37.5	8.72		12.5	
3/20/2024	1.41		30				
3/21/2024		1.66		7.6		12.1	6.92
10/2/2024	1.79	1.61	40.1	7.63		5.89	6.73
3/17/2025	1.52					7.47	5.98
3/18/2025		0.941 (J)	42.7	6.81			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/6/2025 3:14 PM View: Interwell

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-1 (bg)	BAW-7	BAW-5	BAW-3	BAW-2 (bg)	BAW-4	BAW-2A (bg)
3/23/2016	20	22	88	30	30	46	
5/17/2016	24	30	110			52	
5/18/2016				20	20		
7/12/2016	24	26					
7/13/2016			120	40	40	36	
9/13/2016	18	28	92				
9/14/2016				<10	10	38	
11/19/2016	20	38	94	22	28	50	
1/17/2017	<10	10		14	14		
1/18/2017			68			18	
3/22/2017	12	22					
3/23/2017			80	28	16	32	
5/24/2017	16 (D)	22	90	18	12	32	
10/16/2017	58	34	110	36	50	64	
3/28/2018	18		86	36		56	30
3/29/2018		50					
6/2/2018	6	<10	72	6		22	26
11/8/2018	12			34		170	
11/9/2018		20	38				94
2/11/2019	<10		60			23	
2/12/2019		<10		12			22
4/17/2019	16		82	27		37	22
4/18/2019		39					
9/27/2019	26	<10					25
9/30/2019			55	<10		<10	
4/14/2020	25	24	77	31		30	38
10/30/2020	34		88	40		40	48
11/2/2020		28					
3/17/2021			79			44	
3/26/2021	24	38		37			24
10/5/2021	26	45				75	
10/6/2021			114	30			61
3/16/2022	30	37	133	26		66	26
10/5/2022	30			32		52	
10/6/2022		135	155				
4/20/2023	26			31			30
4/21/2023		47	204			50	
10/24/2023	28	42					35
10/25/2023			161	19		47	
3/20/2024	29		164				
3/21/2024		40		31		64	38
10/2/2024	28	33	195	30		40	49
3/17/2025	<10					37	<10
3/18/2025		26	168	14			

ND substitution: RL or RL/2 if <15% NDs.

Trend Tests - Prediction Limit Exceedances

Appendix III - Trend Test Summary - Significant Results

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/6/2025, 3:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**BAW-2 (bg)**	**-0.5725**	**-31**	**-25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BAW-4**	**0.3438**	**170**	**124**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**BAW-2 (bg)**	**-0.5393**	**-29**	**-25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**BAW-5**	**-0.04046**	**-164**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BAW-1 (bg)**	**-0.3946**	**-134**	**-118**	**Yes**	**26**	**42.31**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BAW-2A (bg)**	**0.7975**	**71**	**58**	**Yes**	**16**	**6.25**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BAW-5**	**2.378**	**125**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - Trend Test Summary - All Results

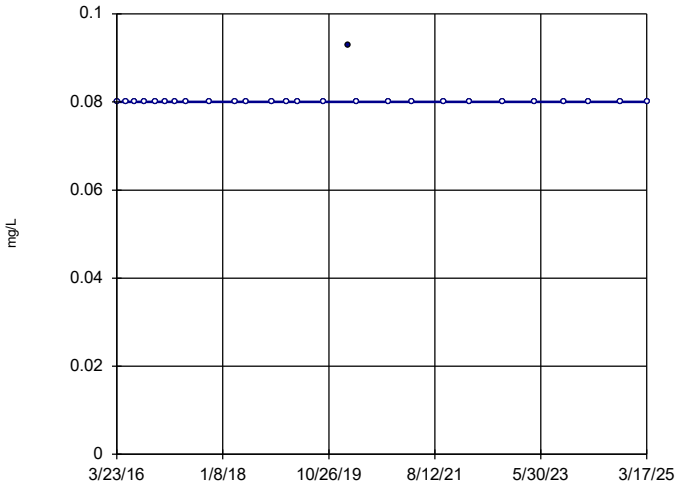
Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/6/2025, 3:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BAW-1 (bg)	0	4	124	No	27	96.3	n/a	n/a	0.01	NP
Boron (mg/L)	BAW-2 (bg)	0	0	25	No	9	100	n/a	n/a	0.01	NP
Boron (mg/L)	BAW-2A (bg)	-0.002445	-50	-63	No	17	47.06	n/a	n/a	0.01	NP
Boron (mg/L)	BAW-5	0.03781	104	124	No	27	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BAW-1 (bg)	0.03185	112	124	No	27	3.704	n/a	n/a	0.01	NP
Calcium (mg/L)	**BAW-2 (bg)**	**-0.5725**	**-31**	**-25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BAW-2A (bg)	-0.03107	-36	-63	No	17	5.882	n/a	n/a	0.01	NP
Calcium (mg/L)	**BAW-4**	**0.3438**	**170**	**124**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BAW-5	1.215	89	124	No	27	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	BAW-1 (bg)	0	-43	-124	No	27	88.89	n/a	n/a	0.01	NP
Fluoride (mg/L)	BAW-2 (bg)	0	0	25	No	9	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	BAW-2A (bg)	-0.0009448	-53	-63	No	17	58.82	n/a	n/a	0.01	NP
Fluoride (mg/L)	BAW-5	0.002859	82	124	No	27	3.704	n/a	n/a	0.01	NP
pH (SU)	BAW-1 (bg)	-0.003352	-22	-118	No	26	0	n/a	n/a	0.01	NP
pH (SU)	**BAW-2 (bg)**	**-0.5393**	**-29**	**-25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	BAW-2A (bg)	-0.002966	-9	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	**BAW-5**	**-0.04046**	**-164**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BAW-1 (bg)**	**-0.3946**	**-134**	**-118**	**Yes**	**26**	**42.31**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BAW-2 (bg)	0	-11	-25	No	9	77.78	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BAW-2A (bg)**	**0.7975**	**71**	**58**	**Yes**	**16**	**6.25**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BAW-5**	**2.378**	**125**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	BAW-1 (bg)	1.017	82	118	No	26	11.54	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BAW-2 (bg)	-5.236	-4	-25	No	9	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BAW-2A (bg)	0.9204	12	58	No	16	6.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BAW-5	8.925	101	118	No	26	0	n/a	n/a	0.01	NP

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 27

Slope = 0
units per year.

Mann-Kendall
statistic = 4
critical = 124

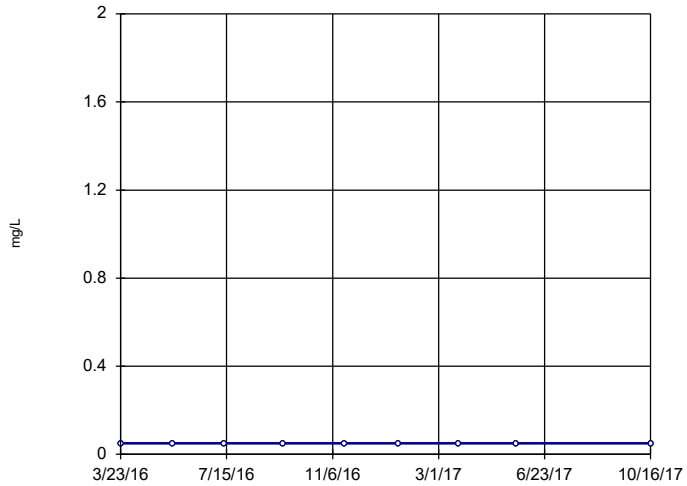
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 5/6/2025 3:17 PM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 9

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 25

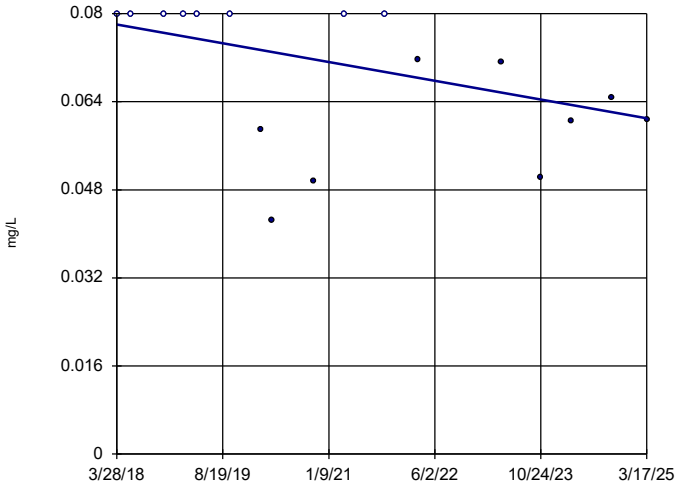
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 5/6/2025 3:17 PM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 17

Slope = -0.002445
units per year.

Mann-Kendall
statistic = -50
critical = -63

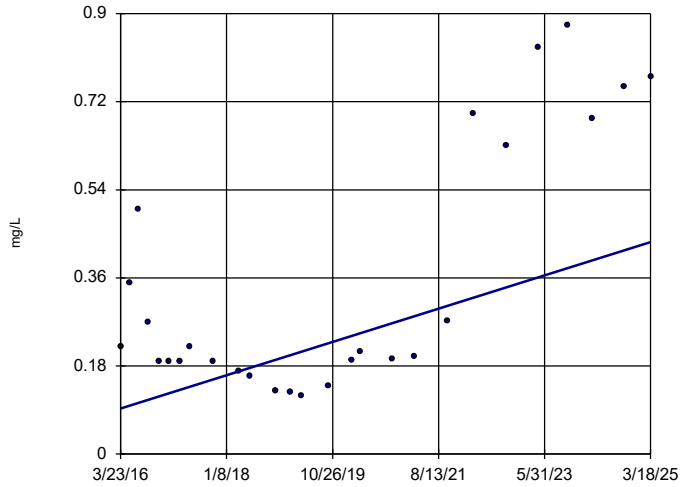
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 5/6/2025 3:17 PM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-5



n = 27

Slope = 0.03781
units per year.

Mann-Kendall
statistic = 104
critical = 124

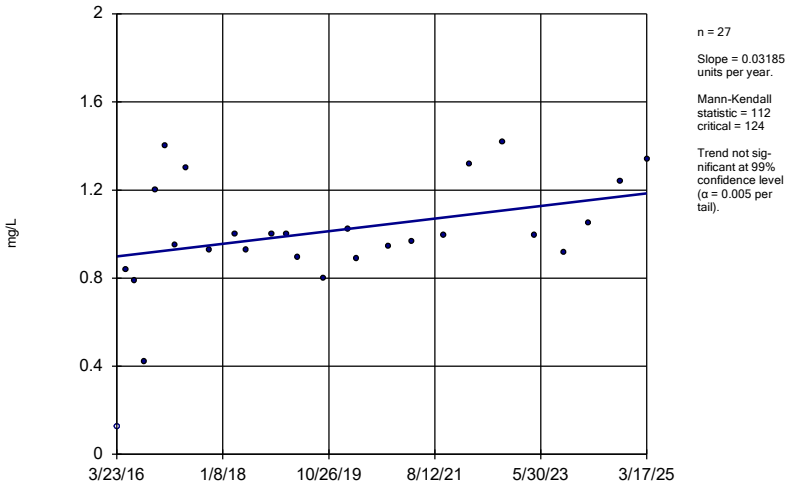
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 5/6/2025 3:17 PM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 27

Slope = 0.03185 units per year.

Mann-Kendall statistic = 112
critical = 124

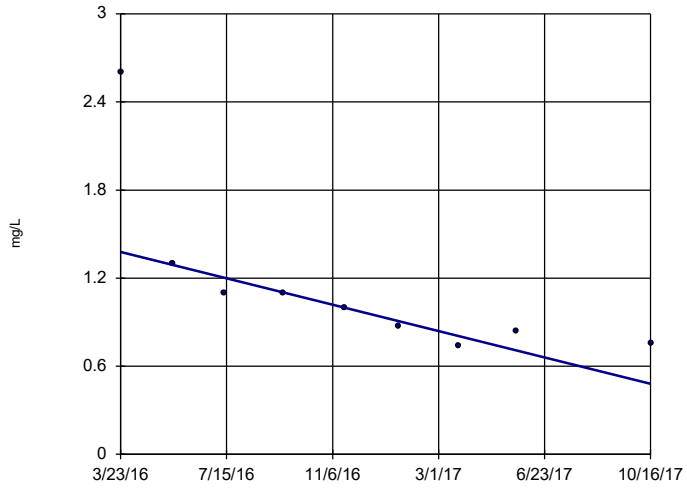
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/6/2025 3:17 PM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-2 (bg)



n = 9

Slope = -0.5725 units per year.

Mann-Kendall statistic = -31
critical = -25

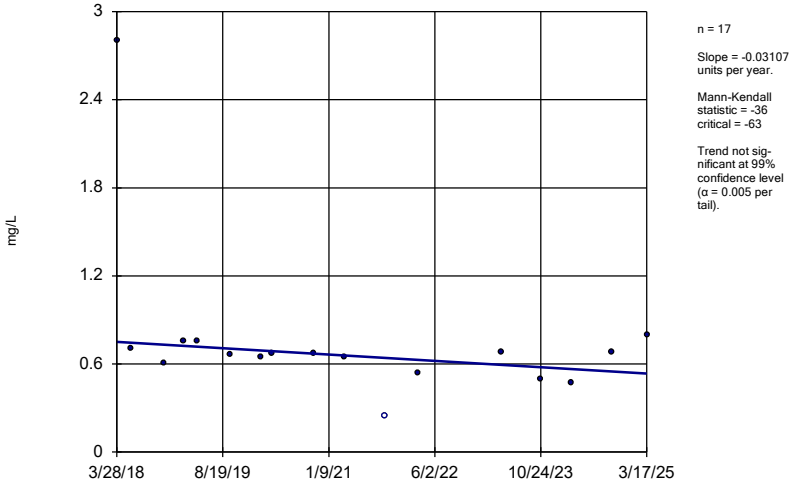
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/6/2025 3:17 PM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 17

Slope = -0.03107 units per year.

Mann-Kendall statistic = -36
critical = -63

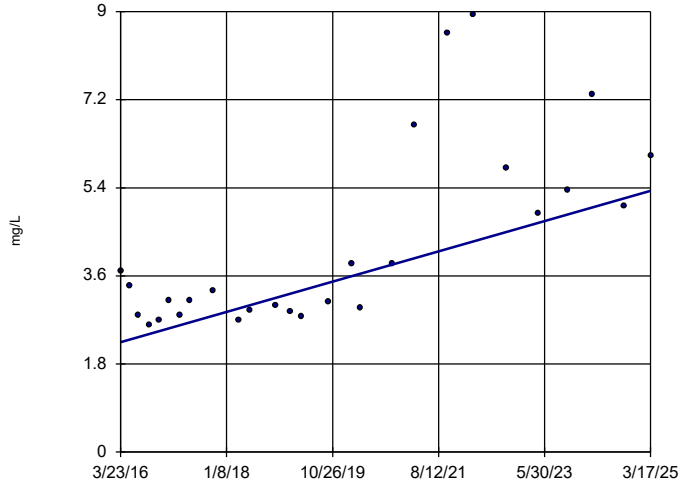
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/6/2025 3:17 PM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-4



n = 27

Slope = 0.3438 units per year.

Mann-Kendall statistic = 170
critical = 124

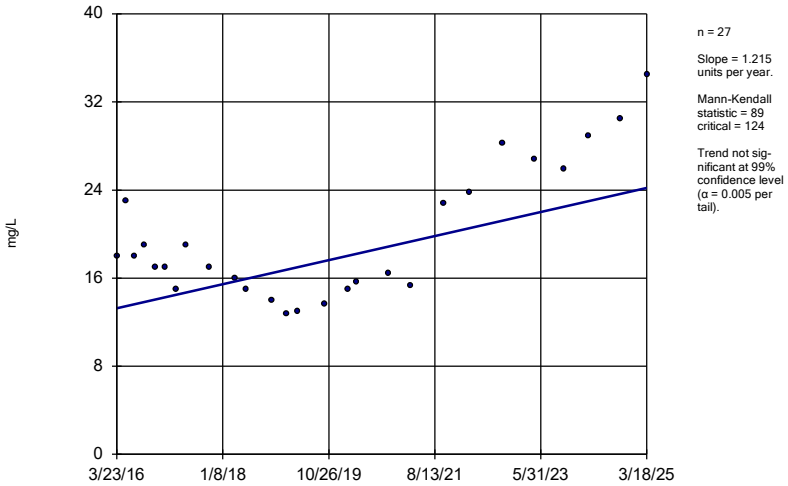
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/6/2025 3:17 PM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-5



Constituent: Calcium Analysis Run 5/6/2025 3:17 PM View: Trend Tests

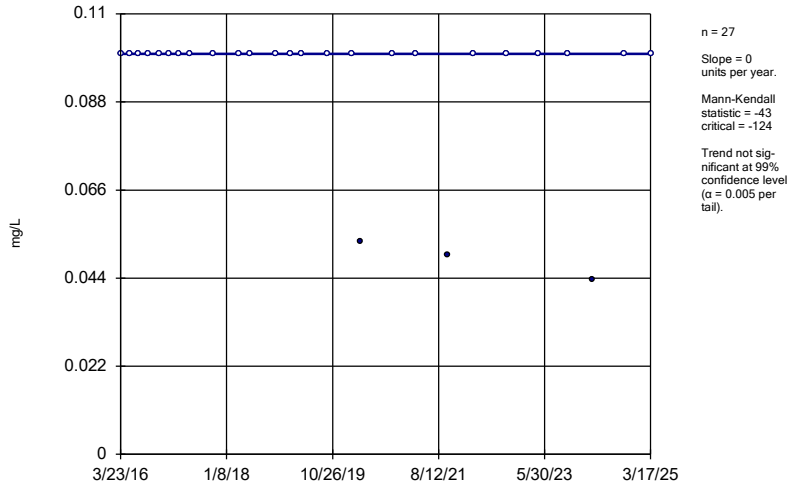
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



Constituent: Fluoride Analysis Run 5/6/2025 3:17 PM View: Trend Tests

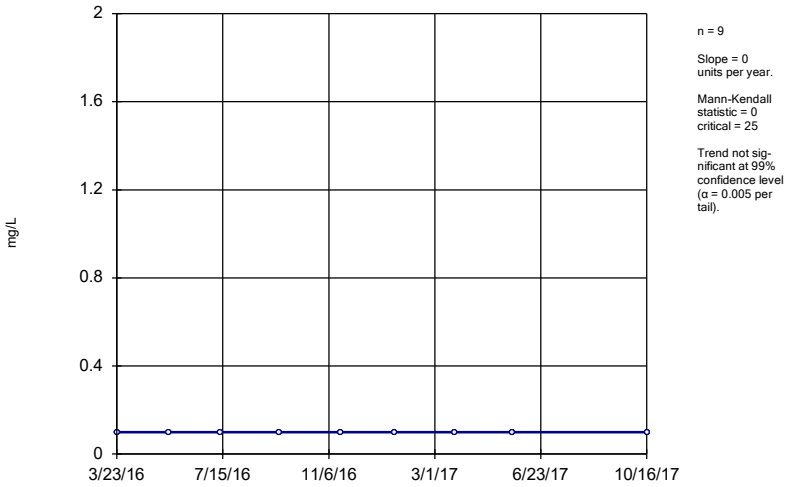
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



Constituent: Fluoride Analysis Run 5/6/2025 3:17 PM View: Trend Tests

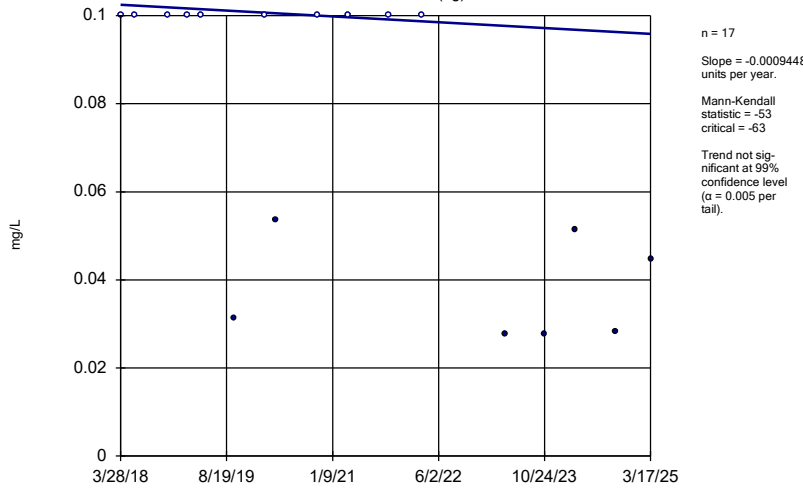
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



Constituent: Fluoride Analysis Run 5/6/2025 3:17 PM View: Trend Tests

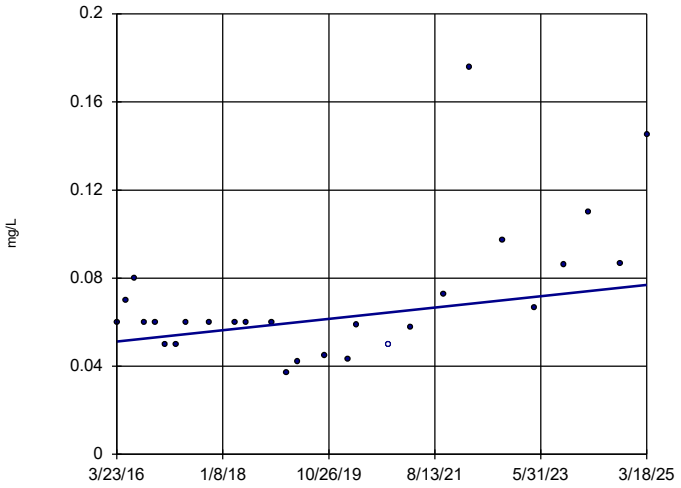
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-5



n = 27

Slope = 0.002859 units per year.

Mann-Kendall statistic = 82
critical = 124

Trend not significant at 99% confidence level (α = 0.005 per tail).

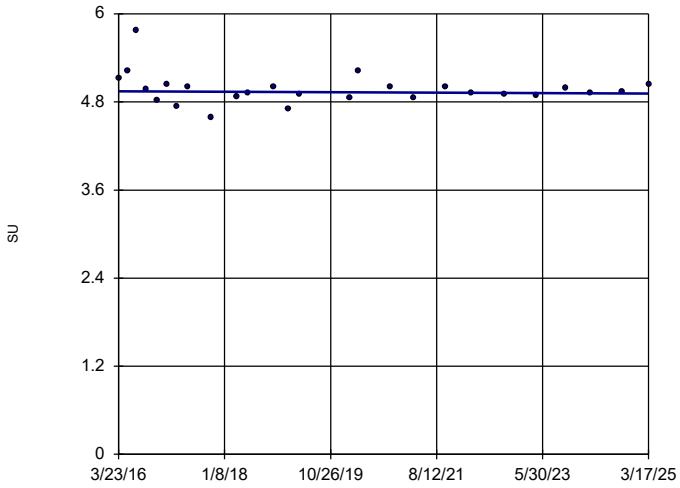
Constituent: Fluoride Analysis Run 5/6/2025 3:17 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-1 (bg)



n = 26

Slope = -0.003352 units per year.

Mann-Kendall statistic = -22
critical = -118

Trend not significant at 99% confidence level (α = 0.005 per tail).

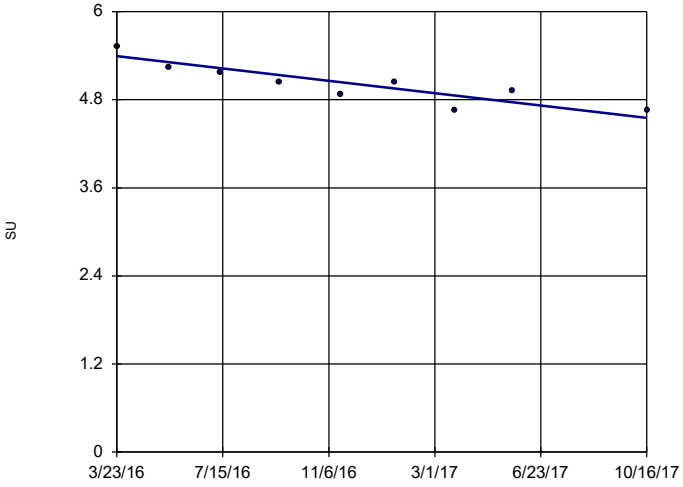
Constituent: pH Analysis Run 5/6/2025 3:17 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-2 (bg)



n = 9

Slope = -0.5393 units per year.

Mann-Kendall statistic = -29
critical = -25

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

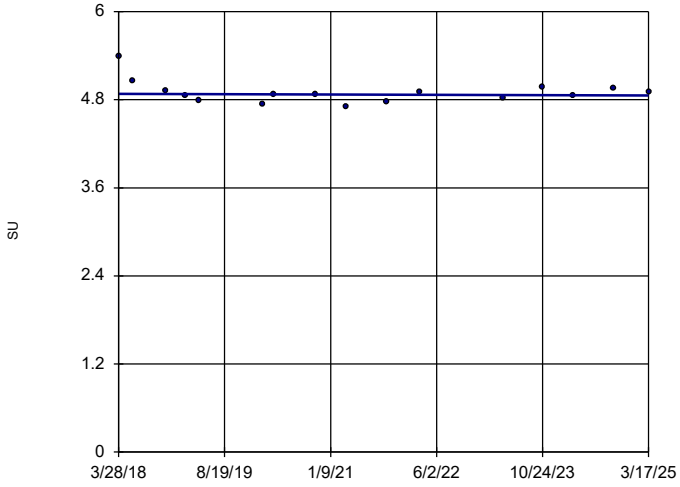
Constituent: pH Analysis Run 5/6/2025 3:17 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-2A (bg)



n = 16

Slope = -0.002966 units per year.

Mann-Kendall statistic = -9
critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

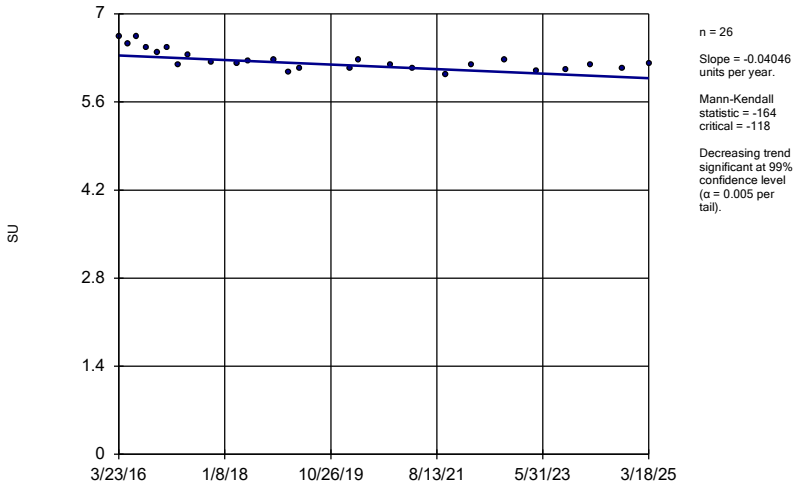
Constituent: pH Analysis Run 5/6/2025 3:17 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-5



n = 26

Slope = -0.04046 units per year.

Mann-Kendall statistic = -164
critical = -118

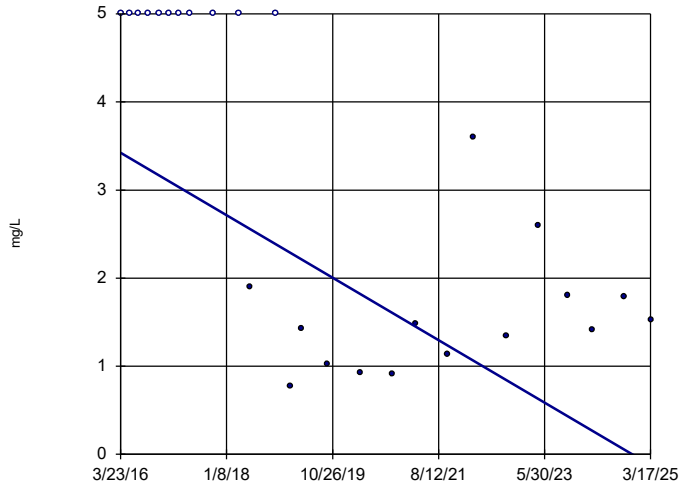
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/6/2025 3:17 PM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 26

Slope = -0.3946 units per year.

Mann-Kendall statistic = -134
critical = -118

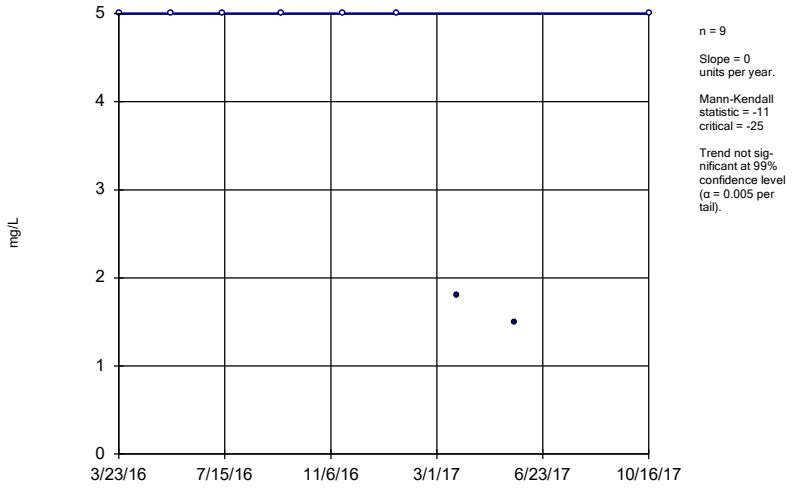
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/6/2025 3:17 PM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 9

Slope = 0 units per year.

Mann-Kendall statistic = -11
critical = -25

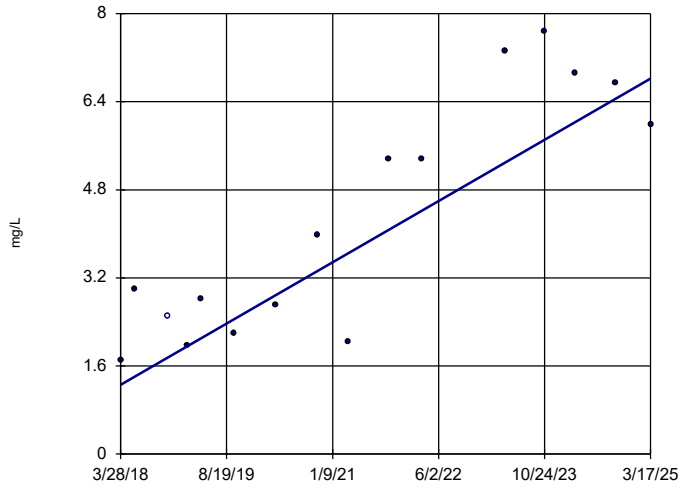
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/6/2025 3:17 PM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 16

Slope = 0.7975 units per year.

Mann-Kendall statistic = 71
critical = 58

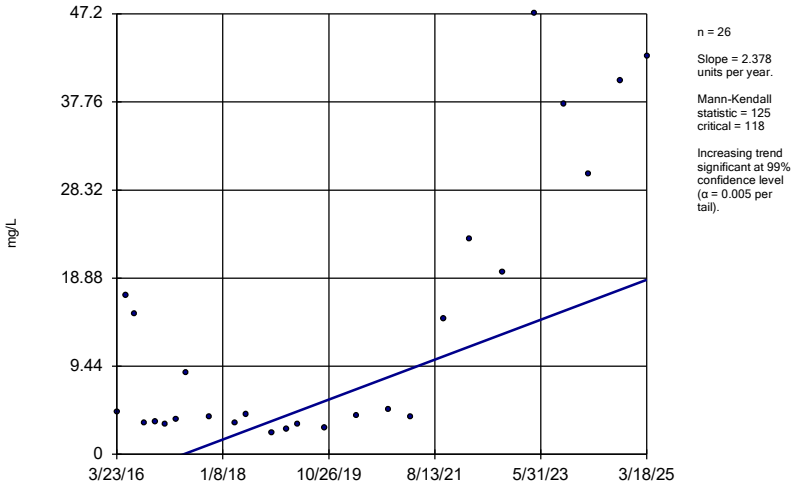
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/6/2025 3:17 PM View: Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-5



Constituent: Sulfate Analysis Run 5/6/2025 3:17 PM View: Trend Tests

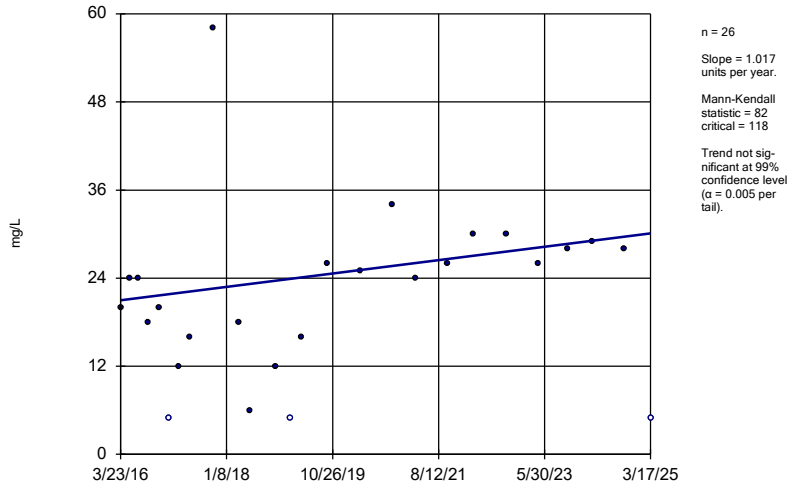
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



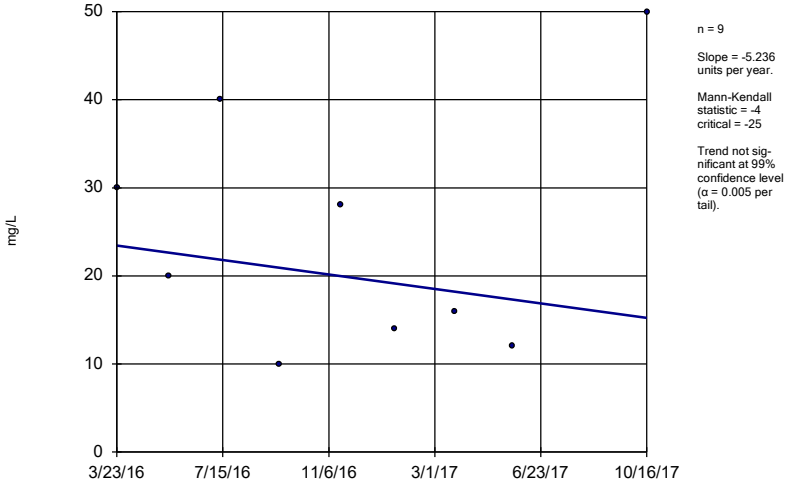
Constituent: Total Dissolved Solids Analysis Run 5/6/2025 3:17 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-2 (bg)



Constituent: Total Dissolved Solids Analysis Run 5/6/2025 3:17 PM View: Trend Tests

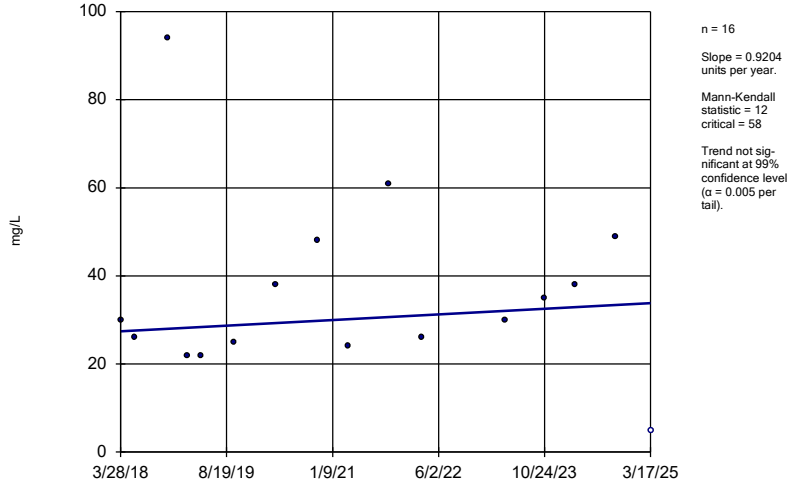
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)

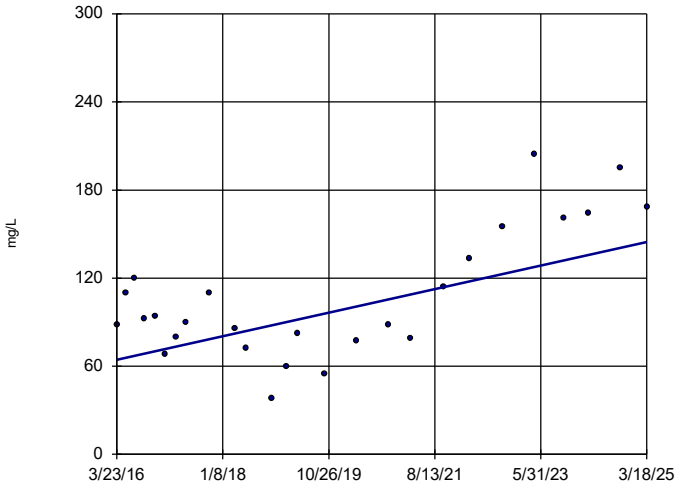


Constituent: Total Dissolved Solids Analysis Run 5/6/2025 3:17 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sen's Slope Estimator

BAW-5



n = 26

Slope = 8.925 units per year.

Mann-Kendall statistic = 101
critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 5/6/2025 3:17 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Upper Tolerance Limits

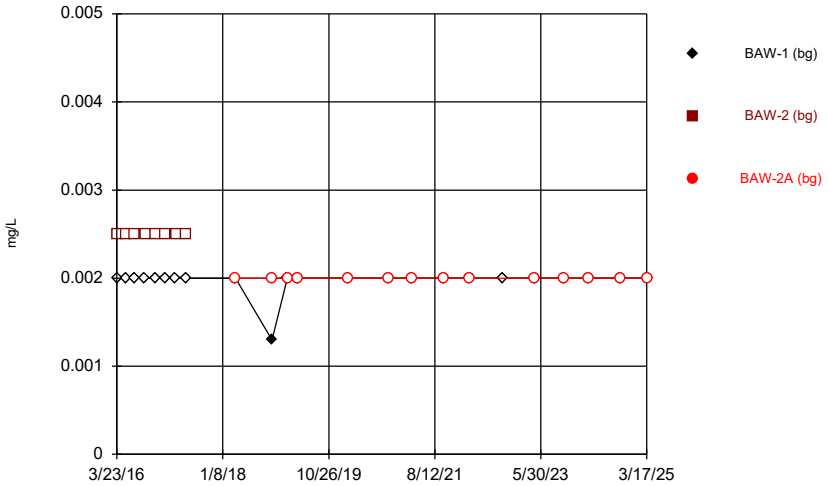
Upper Tolerance Limits - Summary Table

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/14/2025, 4:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	45	97.78	n/a	n/a	0.09944	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	51	100	n/a	n/a	0.0731	NP Inter(NDs)
Barium (mg/L)	n/a	0.0512	n/a	n/a	n/a	n/a	51	1.961	n/a	n/a	0.0731	NP Inter(normality)
Beryllium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	47	95.74	n/a	n/a	0.08974	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	51	96.08	n/a	n/a	0.0731	NP Inter(NDs)
Chromium (mg/L)	n/a	0.00286	n/a	n/a	n/a	n/a	49	87.76	n/a	n/a	0.08099	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.001729	n/a	n/a	n/a	n/a	51	5.882	None	sqrt(x)	0.05	Inter
Combined Radium 226 + 228 (pCi/L)	n/a	2.5	n/a	n/a	n/a	n/a	51	3.922	n/a	n/a	0.0731	NP Inter(normality)
Fluoride (mg/L)	n/a	0.1	n/a	n/a	n/a	n/a	53	81.13	n/a	n/a	0.06597	NP Inter(NDs)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	49	95.92	n/a	n/a	0.08099	NP Inter(NDs)
Lithium (mg/L)	n/a	0.012	n/a	n/a	n/a	n/a	51	64.71	n/a	n/a	0.0731	NP Inter(NDs)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	n/a	43	90.7	n/a	n/a	0.1102	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	47	91.49	n/a	n/a	0.08974	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	47	87.23	n/a	n/a	0.08974	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	47	95.74	n/a	n/a	0.08974	NP Inter(NDs)

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

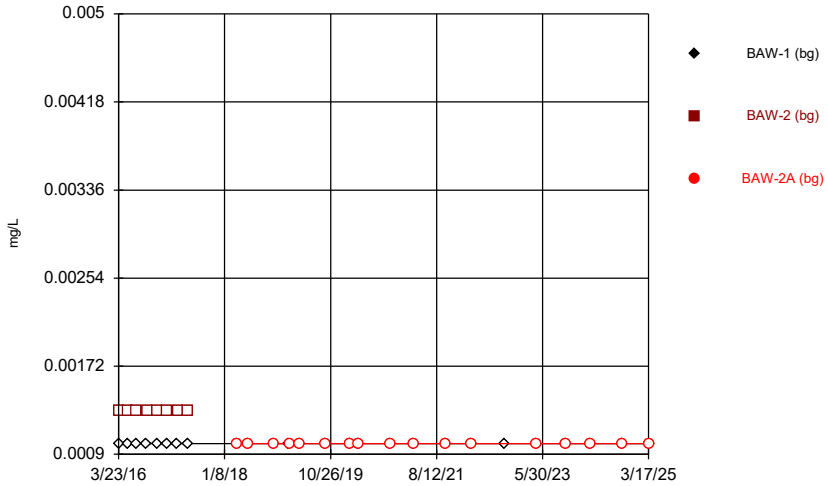
Time Series



Constituent: Antimony Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

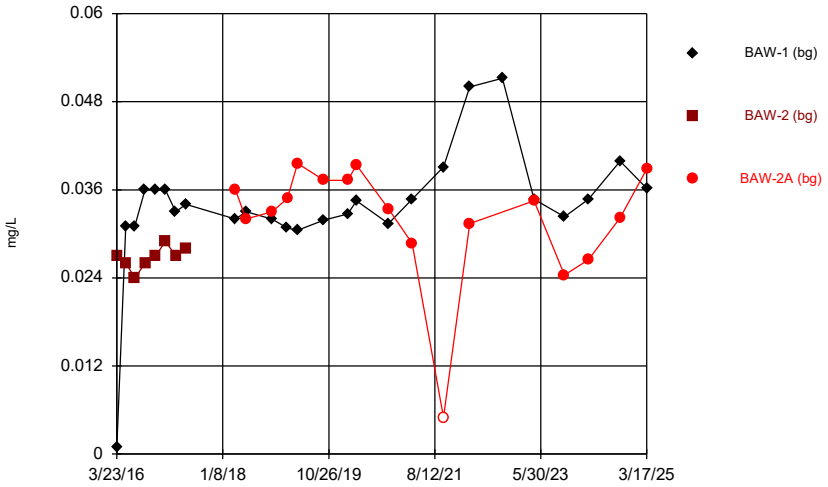
Time Series



Constituent: Arsenic Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

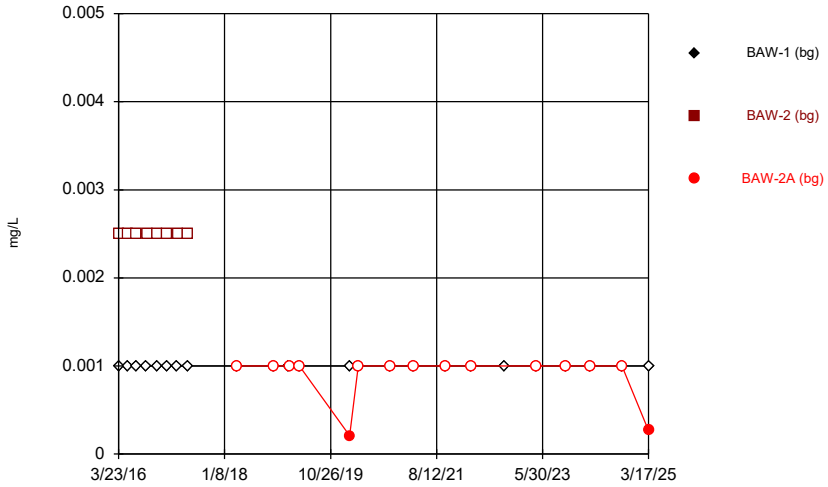
Time Series



Constituent: Barium Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

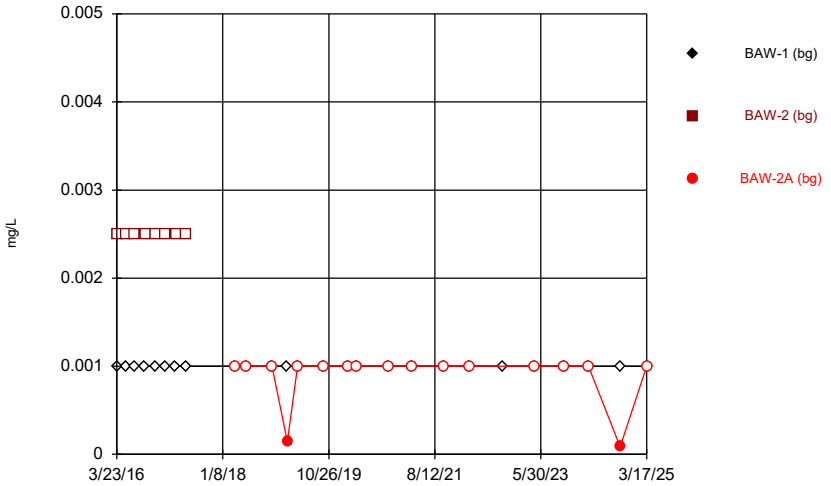
Time Series



Constituent: Beryllium Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

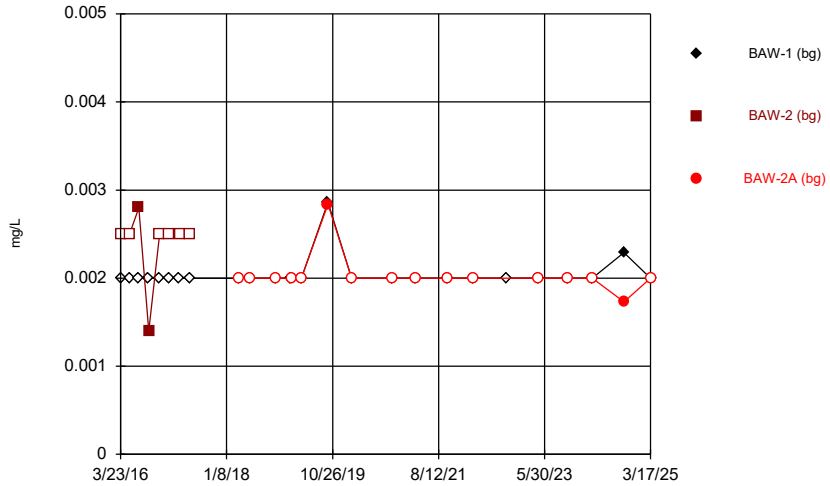
Time Series



Constituent: Cadmium Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

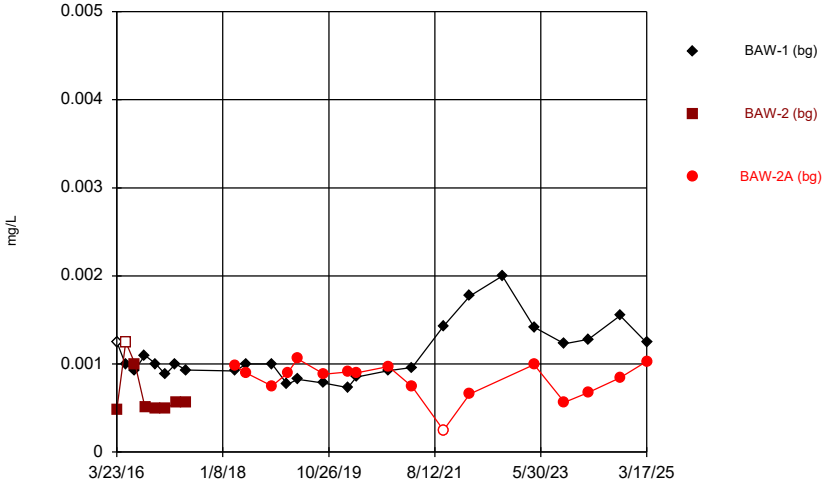
Time Series



Constituent: Chromium Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

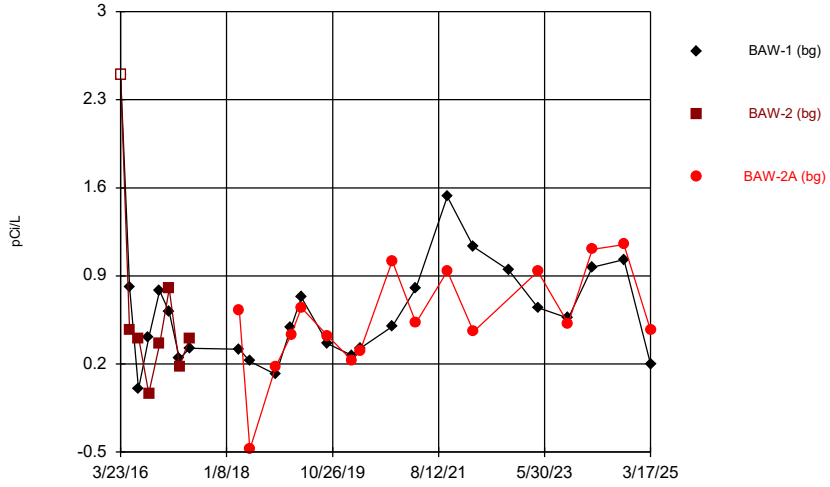
Time Series



Constituent: Cobalt Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

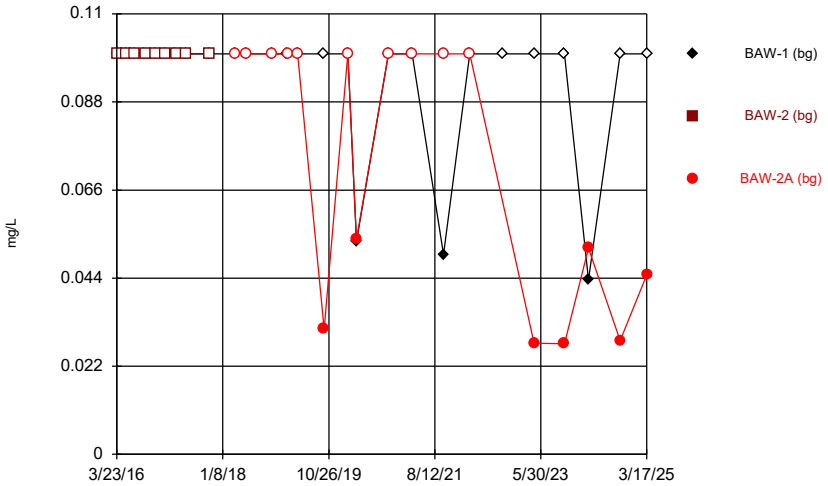
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

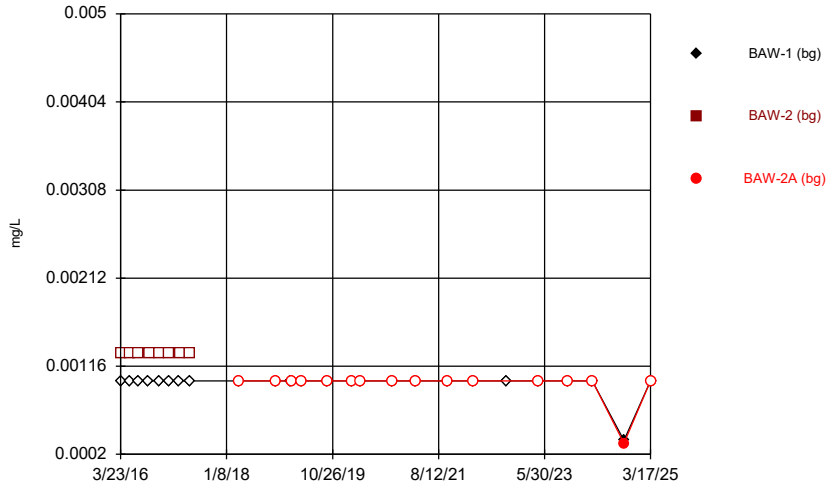
Time Series



Constituent: Fluoride Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

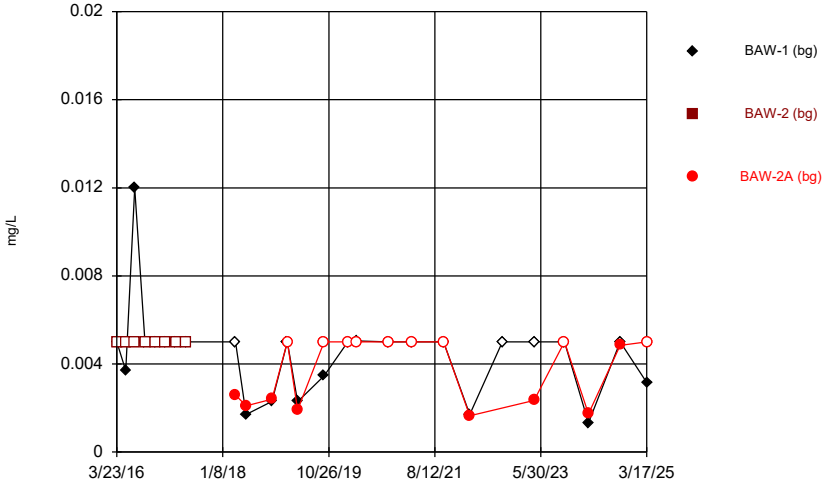
Time Series



Constituent: Lead Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

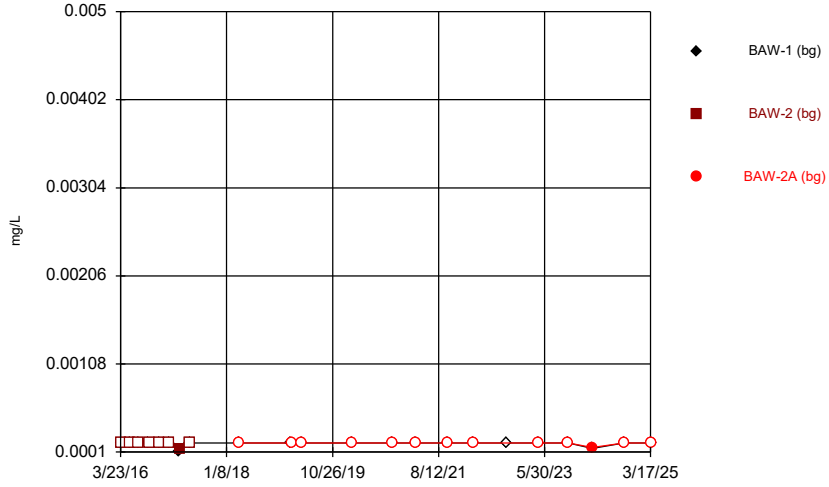
Time Series



Constituent: Lithium Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

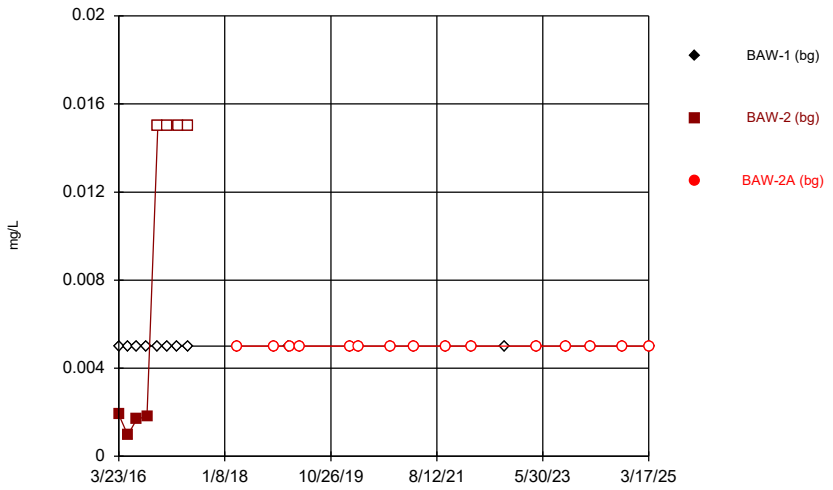
Time Series



Constituent: Mercury Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

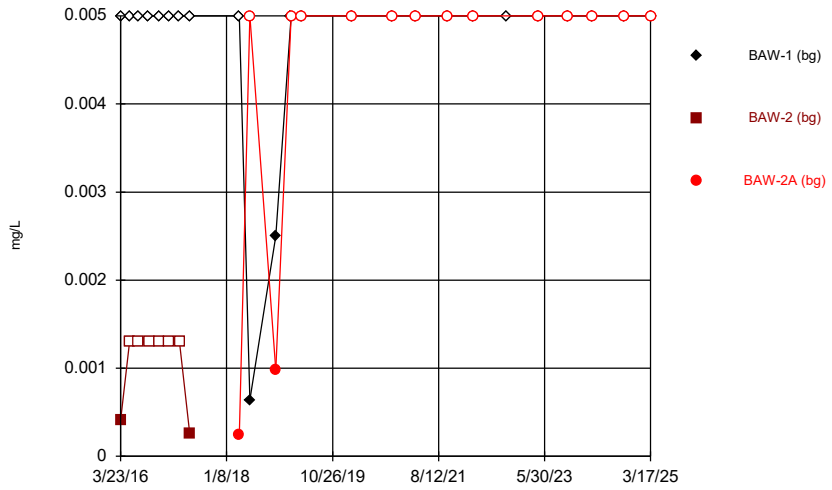
Time Series



Constituent: Molybdenum Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

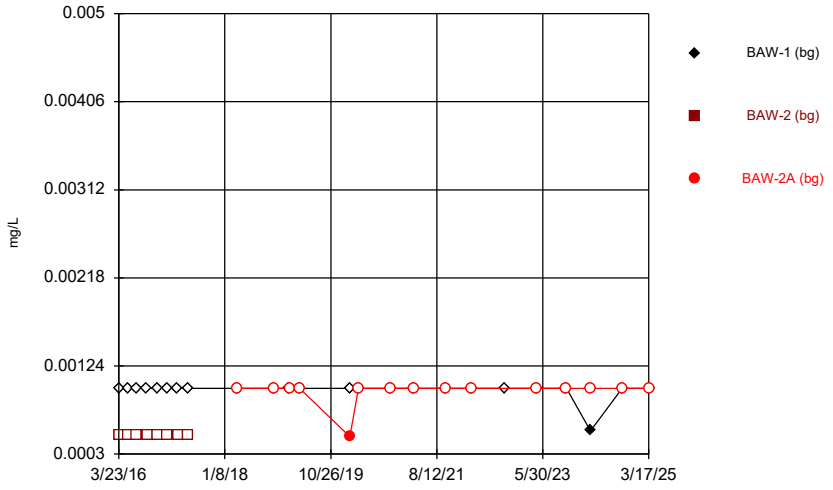
Time Series



Constituent: Selenium Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

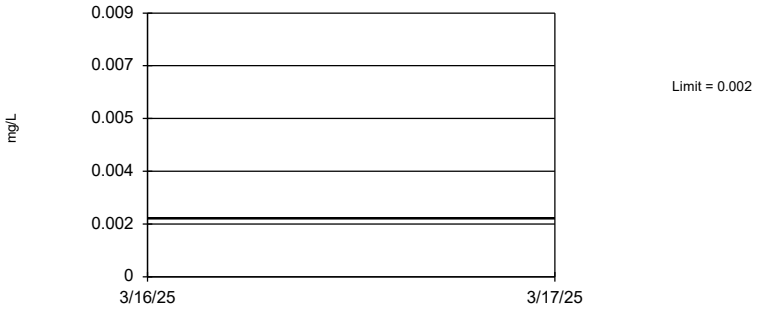
Time Series



Constituent: Thallium Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Tolerance Limit

Interwell Non-parametric



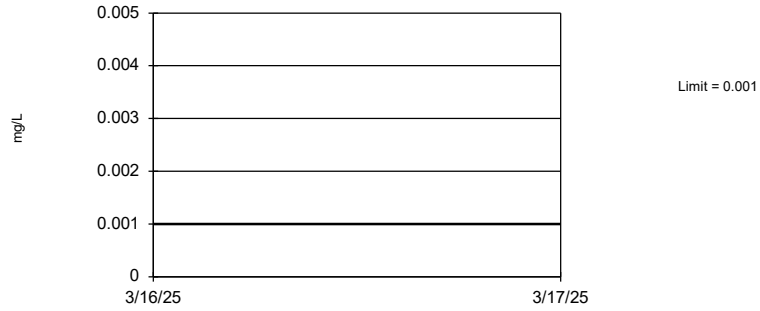
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 45 background values. 97.78% NDs. 90.43% coverage at alpha=0.01; 93.55% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.09944.

Constituent: Antimony Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



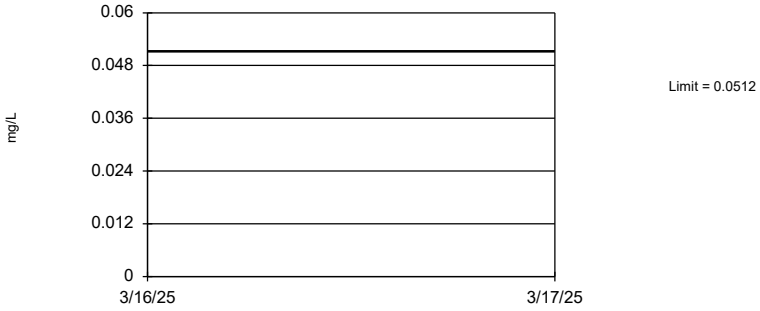
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. 91.21% coverage at alpha=0.01; 94.34% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.0731.

Constituent: Arsenic Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



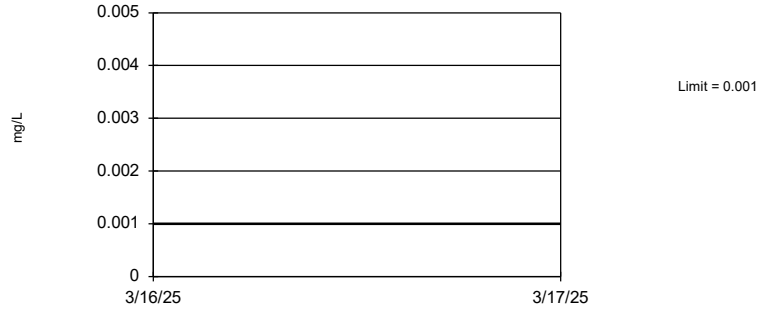
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 51 background values. 1.961% NDs. 91.21% coverage at alpha=0.01; 94.34% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.0731.

Constituent: Barium Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric

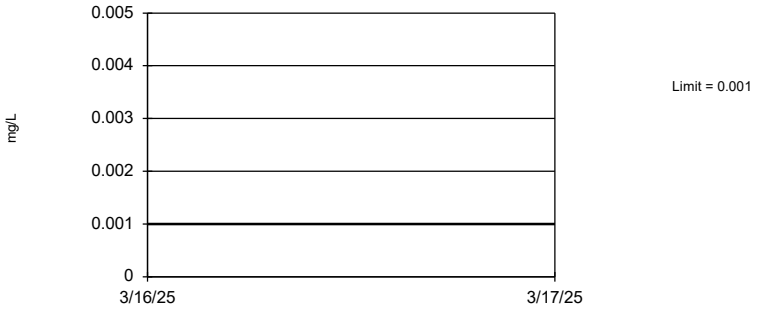


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 47 background values. 95.74% NDs. 90.82% coverage at alpha=0.01; 93.95% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.08974.

Constituent: Beryllium Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Tolerance Limit

Interwell Non-parametric



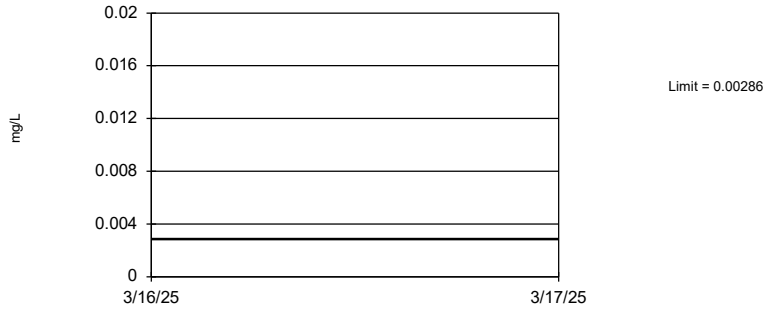
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 51 background values. 96.08% NDs. 91.21% coverage at alpha=0.01; 94.34% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.0731.

Constituent: Cadmium Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



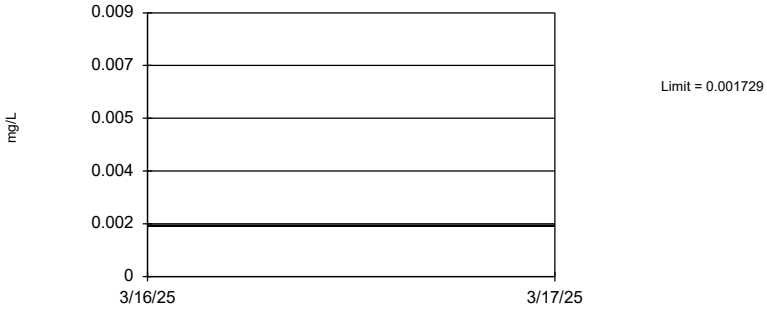
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 49 background values. 87.76% NDs. 91.21% coverage at alpha=0.01; 93.95% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.08099.

Constituent: Chromium Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Parametric



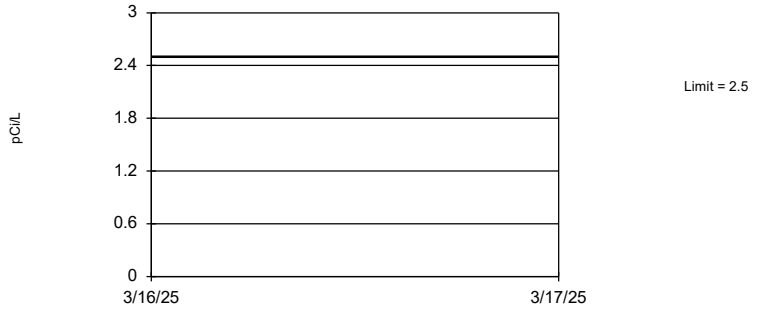
95% coverage. Background Data Summary (based on square root transformation): Mean=0.02952, Std. Dev.=0.00586, n=51, 5.882% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9422, critical = 0.935. Report alpha = 0.05.

Constituent: Cobalt Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric

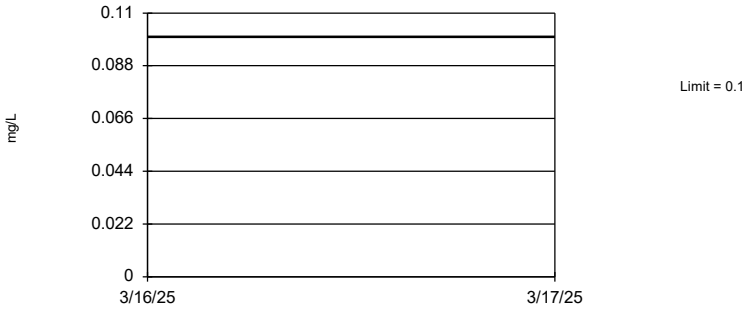


Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 51 background values. 3.922% NDs. 91.21% coverage at alpha=0.01; 94.34% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.0731.

Constituent: Combined Radium 226 + 228 Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Tolerance Limit

Interwell Non-parametric



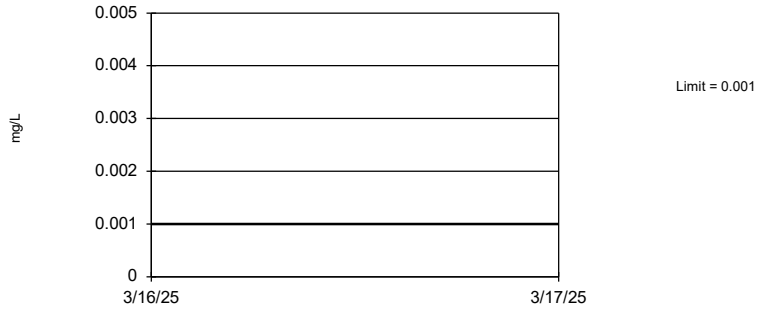
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 53 background values. 81.13% NDs. 91.6% coverage at alpha=0.01; 94.34% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.06597.

Constituent: Fluoride Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



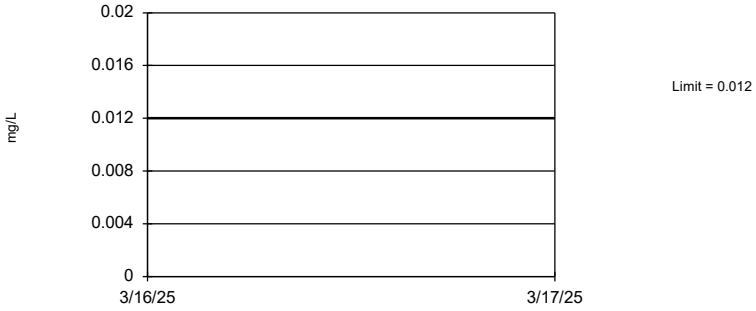
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 49 background values. 95.92% NDs. 91.21% coverage at alpha=0.01; 93.95% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.08099.

Constituent: Lead Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



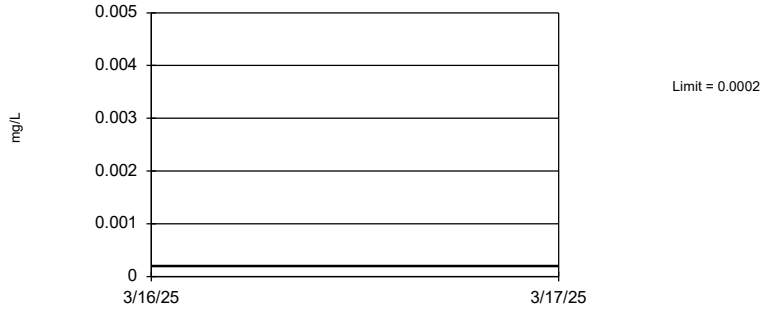
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 51 background values. 64.71% NDs. 91.21% coverage at alpha=0.01; 94.34% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.0731.

Constituent: Lithium Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 43 background values. 90.7% NDs. 90.04% coverage at alpha=0.01; 93.16% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1102.

Constituent: Mercury Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 47 background values. 91.49% NDs. 90.82% coverage at alpha=0.01; 93.95% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.08974.

Constituent: Molybdenum Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 47 background values. 87.23% NDs. 90.82% coverage at alpha=0.01; 93.95% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.08974.

Constituent: Selenium Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 47 background values. 95.74% NDs. 90.82% coverage at alpha=0.01; 93.95% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.08974.

Constituent: Thallium Analysis Run 5/14/2025 4:23 PM View: Appendix IV - UTLs
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Groundwater Protection Standards

PLANT DANIEL BOTTOM ASH GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.002	0.006
Arsenic, Total (mg/L)	0.01		0.001	0.01
Barium, Total (mg/L)	2		0.051	2
Beryllium, Total (mg/L)	0.004		0.001	0.004
Cadmium, Total (mg/L)	0.005		0.001	0.005
Chromium, Total (mg/L)	0.1		0.0029	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0017	0.006
Combined Radium, Total (pCi/L)	5		2.5	5
Fluoride, Total (mg/L)	4		0.1	4
Lead, Total (mg/L)	0.015		0.001	0.015
Lithium, Total (mg/L)	n/a	0.04	0.012	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.005	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Standard*

Confidence Intervals

Appendix IV - Confidence Intervals - Significant Results

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/6/2025, 3:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	**BAW-5**	**0.1792**	**0.1327**	**0.04**	**Yes**	**26**	**0.1481**	**0.05524**	**0**	**None**	**x^2**	**0.01**	**Param.**

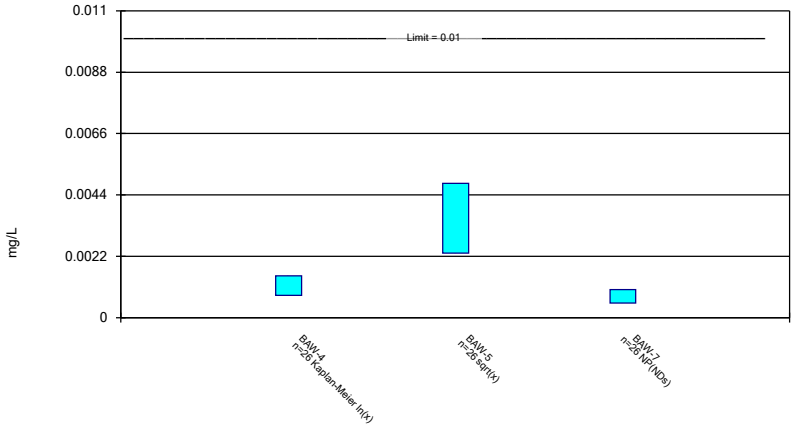
Appendix IV - Confidence Intervals - All Results

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/6/2025, 3:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	BAW-4	0.001497	0.0007946	0.01	No	26	0.001491	0.001226	15.38	Kaplan-Meier	ln(x)	0.01	Param.
Arsenic (mg/L)	BAW-5	0.004814	0.002312	0.01	No	26	0.003908	0.003068	0	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BAW-7	0.001	0.00052	0.01	No	26	0.0009623	0.0001332	92.31	None	No	0.01	NP (NDs)
Barium (mg/L)	BAW-3	0.03365	0.02493	2	No	26	0.02929	0.008946	0	None	No	0.01	Param.
Barium (mg/L)	BAW-4	0.0221	0.0093	2	No	26	0.01436	0.007329	0	None	No	0.01	NP (normality)
Barium (mg/L)	BAW-5	0.0688	0.0424	2	No	26	0.05663	0.02394	0	None	No	0.01	NP (normality)
Barium (mg/L)	BAW-7	0.0225	0.0117	2	No	26	0.01917	0.01682	0	None	No	0.01	NP (normality)
Beryllium (mg/L)	BAW-3	0.001	0.00026	0.004	No	24	0.0008727	0.0002908	83.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BAW-7	0.001	0.000185	0.004	No	24	0.000966	0.0001664	95.83	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BAW-3	0.0008257	0.0005538	0.005	No	26	0.0006898	0.0002789	3.846	None	No	0.01	Param.
Cadmium (mg/L)	BAW-5	0.001	0.000155	0.005	No	26	0.0009675	0.0001657	96.15	None	No	0.01	NP (NDs)
Chromium (mg/L)	BAW-3	0.003	0.00165	0.1	No	25	0.002683	0.00343	84	None	No	0.01	NP (NDs)
Chromium (mg/L)	BAW-4	0.002	0.0015	0.1	No	25	0.001926	0.0002211	84	None	No	0.01	NP (NDs)
Chromium (mg/L)	BAW-5	0.0024	0.00175	0.1	No	25	0.002094	0.0006338	84	None	No	0.01	NP (NDs)
Chromium (mg/L)	BAW-7	0.00206	0.00171	0.1	No	25	0.002216	0.001127	88	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BAW-3	0.0073	0.005363	0.006	No	26	0.006331	0.001987	0	None	No	0.01	Param.
Cobalt (mg/L)	BAW-4	0.001432	0.001077	0.006	No	26	0.001255	0.0003644	0	None	No	0.01	Param.
Cobalt (mg/L)	BAW-5	0.000885	0.0005	0.006	No	26	0.0007805	0.0005488	65.38	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BAW-7	0.00141	0.000729	0.006	No	26	0.001264	0.0009916	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	BAW-3	0.857	0.126	5	No	26	0.582	0.6808	7.692	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	BAW-4	0.53	0.085	5	No	26	0.558	0.7598	11.54	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	BAW-5	1.078	0.4525	5	No	25	0.8608	0.7557	4	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BAW-7	0.9959	0.3635	5	No	26	0.7986	0.758	11.54	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BAW-3	0.1	0.0537	4	No	27	0.08792	0.02618	81.48	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BAW-4	0.0657	0.04	4	No	27	0.05688	0.02469	22.22	None	No	0.01	NP (normality)
Fluoride (mg/L)	BAW-5	0.07802	0.0553	4	No	27	0.07049	0.03121	3.704	None	ln(x)	0.01	Param.
Fluoride (mg/L)	BAW-7	0.1	0.0432	4	No	27	0.09039	0.02366	85.19	None	No	0.01	NP (NDs)
Lead (mg/L)	BAW-3	0.001	0.00036	0.015	No	25	0.0007141	0.0003685	60	None	No	0.01	NP (NDs)
Lead (mg/L)	BAW-4	0.001	0.00042	0.015	No	25	0.0008582	0.0002935	80	None	No	0.01	NP (NDs)
Lead (mg/L)	BAW-5	0.001	0.00032	0.015	No	25	0.0009389	0.0002129	92	None	No	0.01	NP (NDs)
Lead (mg/L)	BAW-7	0.001	0.000345	0.015	No	25	0.000939	0.0002136	92	None	No	0.01	NP (NDs)
Lithium (mg/L)	BAW-3	0.005	0.0033	0.04	No	26	0.00437	0.001255	53.85	None	No	0.01	NP (NDs)
Lithium (mg/L)	BAW-4	0.02485	0.01694	0.04	No	26	0.02089	0.008123	0	None	No	0.01	Param.
Lithium (mg/L)	**BAW-5**	**0.1792**	**0.1327**	**0.04**	**Yes**	**26**	**0.1481**	**0.05524**	**0**	**None**	**x^2**	**0.01**	**Param.**
Lithium (mg/L)	BAW-7	0.00555	0.00375	0.04	No	26	0.005013	0.002159	50	None	No	0.01	NP (normality)
Mercury (mg/L)	BAW-3	0.000497	0.000133	0.002	No	22	0.000202	0.00007269	81.82	None	No	0.01	NP (NDs)
Mercury (mg/L)	BAW-4	0.0002	0.000135	0.002	No	22	0.0001881	0.00003247	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	BAW-5	0.0002	0.000134	0.002	No	22	0.0001913	0.00002973	90.91	None	No	0.01	NP (NDs)
Mercury (mg/L)	BAW-7	0.000235	0.000151	0.002	No	22	0.0002364	0.0002176	77.27	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BAW-4	0.005	0.00109	0.1	No	24	0.003582	0.001922	62.5	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BAW-5	0.003815	0.001841	0.1	No	24	0.006168	0.005488	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	BAW-7	0.005	0.0038	0.1	No	24	0.00495	0.0002449	95.83	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	BAW-3	0.005	0.00079	0.05	No	24	0.003516	0.00215	66.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BAW-5	0.005	0.00176	0.05	No	24	0.00467	0.001136	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BAW-7	0.005	0.0021	0.05	No	24	0.004095	0.001832	79.17	None	No	0.01	NP (NDs)
Thallium (mg/L)	BAW-3	0.001	0.000276	0.002	No	24	0.0008589	0.0003238	83.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	BAW-7	0.001	0.000153	0.002	No	24	0.0009647	0.0001729	95.83	None	No	0.01	NP (NDs)

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

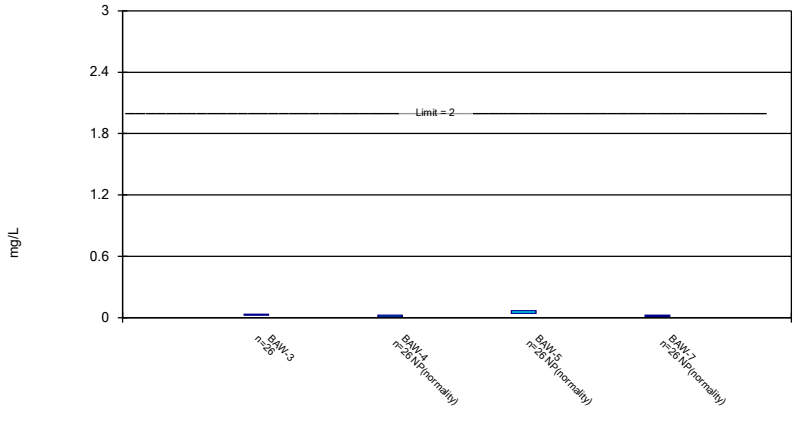


Constituent: Arsenic Analysis Run 5/6/2025 3:25 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

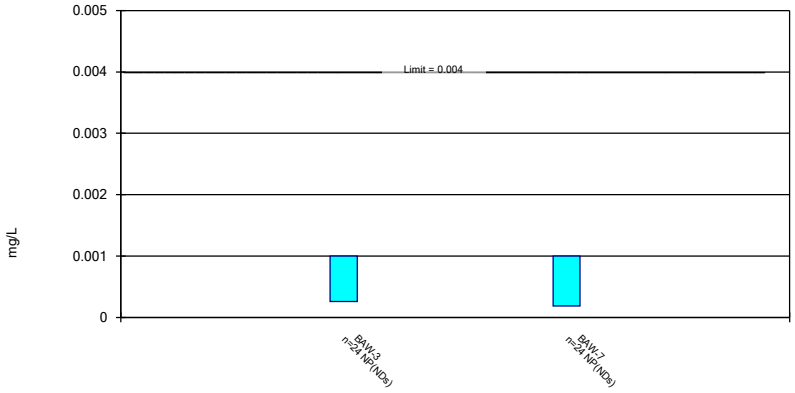


Constituent: Barium Analysis Run 5/6/2025 3:25 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

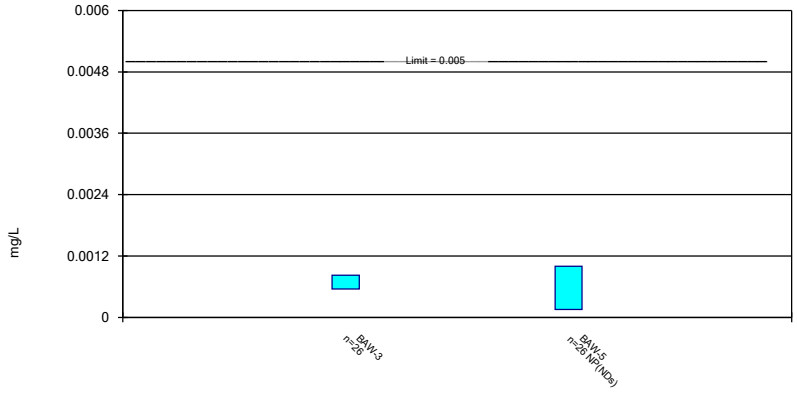


Constituent: Beryllium Analysis Run 5/6/2025 3:25 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

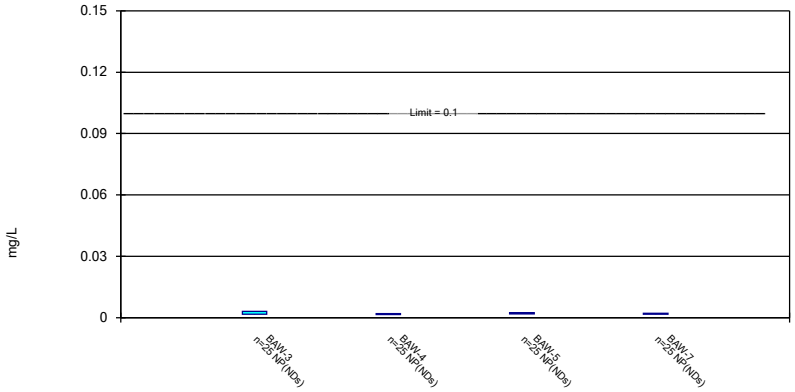


Constituent: Cadmium Analysis Run 5/6/2025 3:25 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

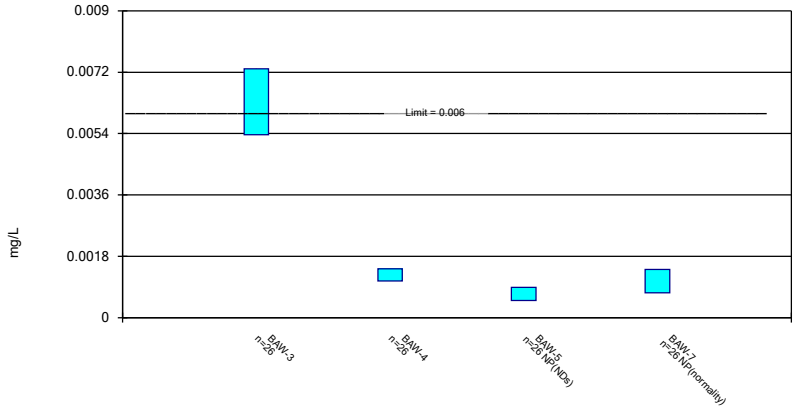


Constituent: Chromium Analysis Run 5/6/2025 3:25 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

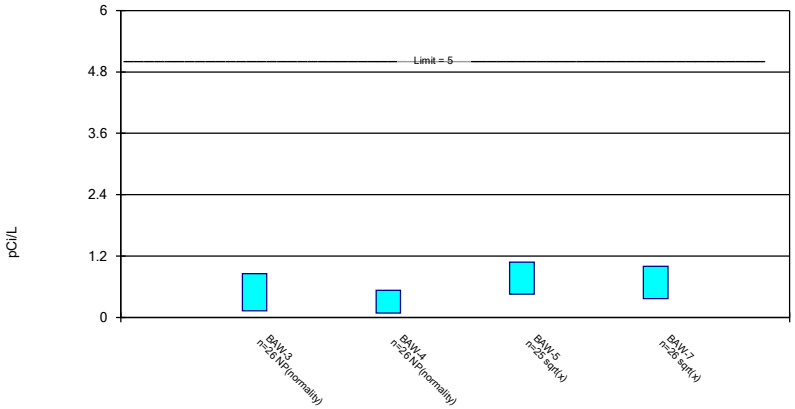


Constituent: Cobalt Analysis Run 5/6/2025 3:25 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

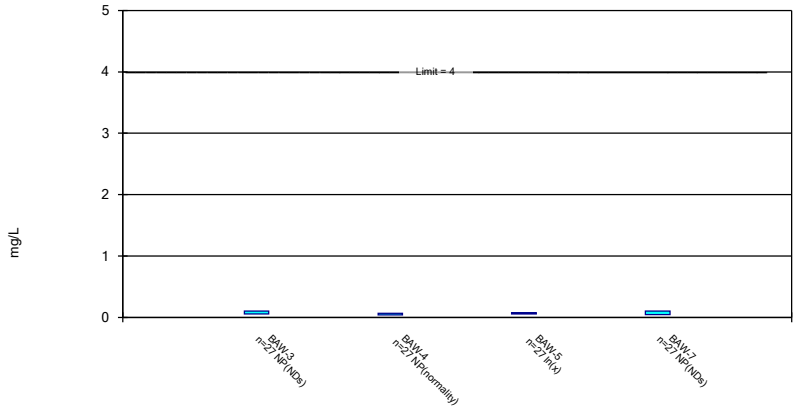


Constituent: Combined Radium 226 + 228 Analysis Run 5/6/2025 3:25 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

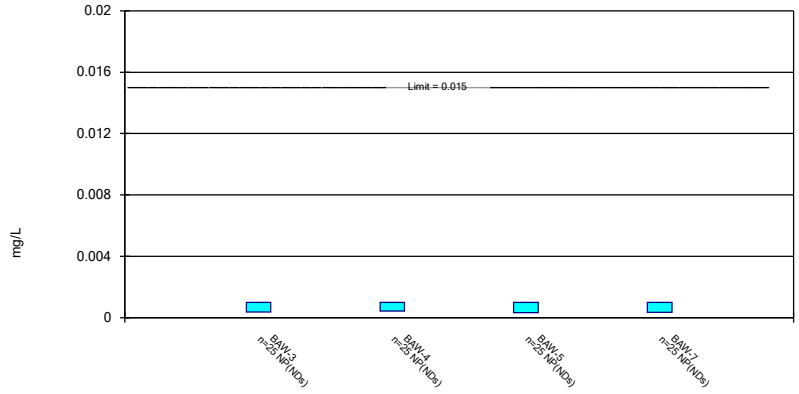


Constituent: Fluoride Analysis Run 5/6/2025 3:25 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

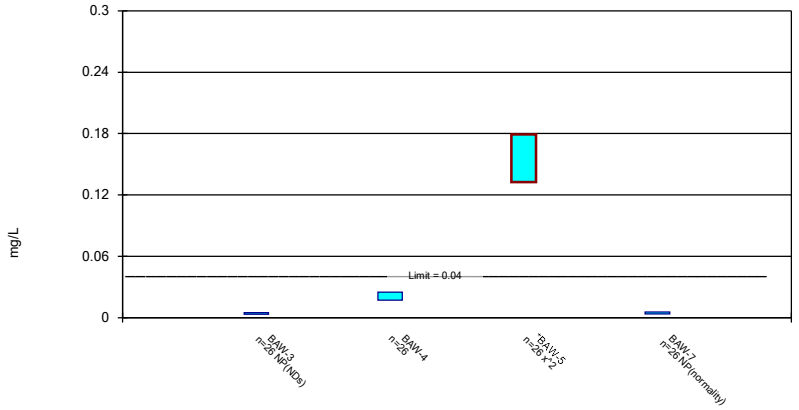


Constituent: Lead Analysis Run 5/6/2025 3:25 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

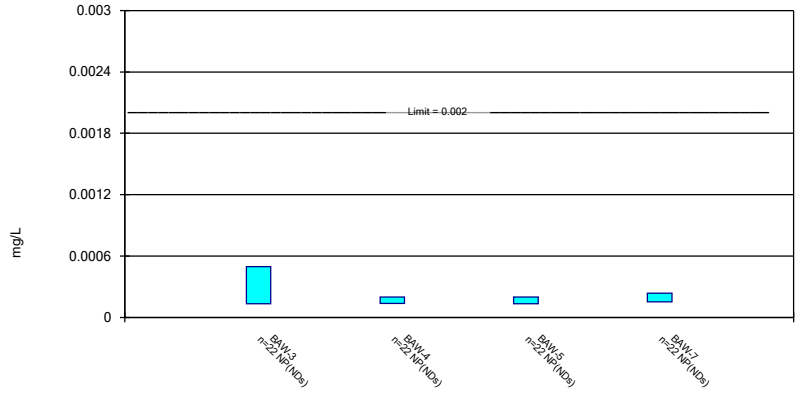


Constituent: Lithium Analysis Run 5/6/2025 3:25 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

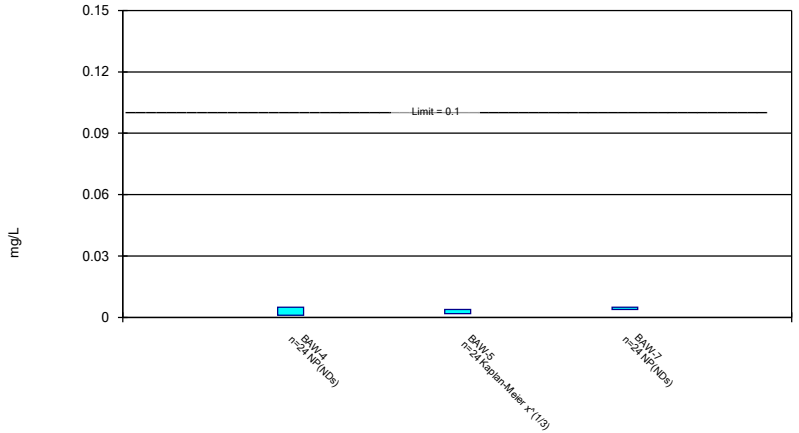


Constituent: Mercury Analysis Run 5/6/2025 3:25 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

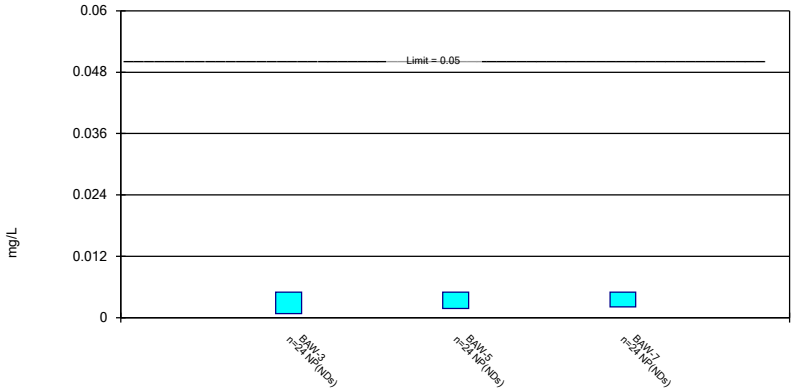
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 5/6/2025 3:25 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

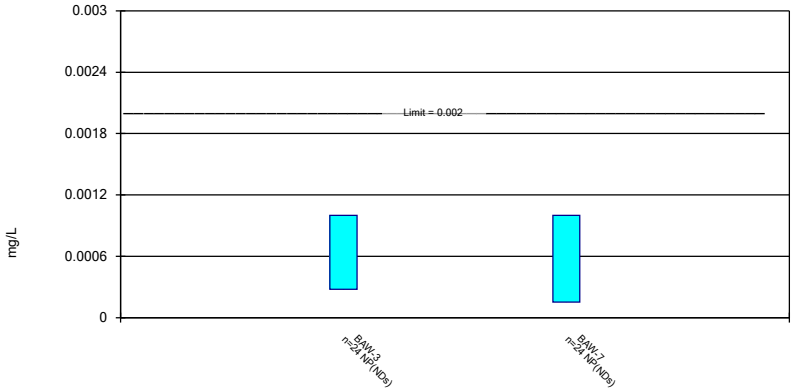


Constituent: Selenium Analysis Run 5/6/2025 3:25 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 5/6/2025 3:25 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/6/2025 3:27 PM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-4	BAW-5	BAW-7
3/23/2016	0.00087 (J)	0.0033	<0.001
5/17/2016	<0.0013	0.00089 (J)	<0.001
7/12/2016			<0.001
7/13/2016	0.00081 (J)	0.0039	
9/13/2016		0.0039	<0.001
9/14/2016	0.00069 (J)		
11/19/2016	0.0013	0.0037	0.0005 (J)
1/17/2017			<0.001
1/18/2017	<0.0013	0.0016	
3/22/2017			0.00052 (J)
3/23/2017	0.00078 (J)	0.0017	
5/24/2017	0.001 (J)	0.0021	<0.001
3/28/2018	<0.0013	0.0011 (J)	
3/29/2018			<0.001
6/2/2018	0.00068 (J)	0.0017	<0.001
11/8/2018	<0.0013		
11/9/2018		0.0021	<0.001
2/11/2019	0.000737 (J)	0.00232	
2/12/2019			<0.001
4/17/2019	0.000645 (J)	0.00218	
4/18/2019			<0.001
9/27/2019			<0.001
9/30/2019	0.000821 (J)	0.00272	
2/21/2020			<0.001
2/22/2020	0.000837 (J)	0.00177	
4/14/2020	0.000896 (J)	0.00177	<0.001
10/30/2020	0.000529 (J)	0.0013	
11/2/2020			<0.001
3/17/2021	0.000454 (J)	0.00385	
3/26/2021			<0.001
10/5/2021	0.00259		<0.001
10/6/2021		0.0125	
3/16/2022	0.00411	0.0101	<0.001
10/5/2022	0.00467		
10/6/2022		0.0108	<0.001
4/21/2023	0.00477	0.00683	<0.001
10/24/2023			<0.001
10/25/2023	0.00241	0.00575	
3/20/2024		0.00515	
3/21/2024	0.00159		<0.001
10/2/2024	0.00105	0.00414	<0.001
3/17/2025	0.00132		
3/18/2025		0.00445	<0.001
Mean	0.001491	0.003908	0.0009623
Std. Dev.	0.001226	0.003068	0.0001332
Upper Lim.	0.001497	0.004814	0.001
Lower Lim.	0.0007946	0.002312	0.00052

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/6/2025 3:27 PM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	0.013	0.011	0.044	0.013
5/17/2016		0.0085	0.055	0.012
5/18/2016	0.012			
7/12/2016				0.011
7/13/2016	0.016	0.0073	0.041	
9/13/2016			0.046	0.012
9/14/2016	0.018	0.0095		
11/19/2016	0.021	0.012	0.044	0.012
1/17/2017	0.029			0.014
1/18/2017		0.0096	0.045	
3/22/2017				0.012
3/23/2017	0.024	0.0093	0.038	
5/24/2017	0.022	0.0096	0.046	0.012
3/28/2018	0.026	0.0086	0.043	
3/29/2018				0.011
6/2/2018	0.029	0.0087	0.043	0.011
11/8/2018	0.028	0.0091		
11/9/2018			0.039	0.011
2/11/2019		0.00931	0.0388	
2/12/2019	0.0274			0.0102
4/17/2019	0.0263	0.00888	0.0378	
4/18/2019				0.0101
9/27/2019				0.0121
9/30/2019	0.0343	0.0103	0.0424	
2/21/2020	0.0304			0.0117
2/22/2020		0.0108	0.0453	
4/14/2020	0.0335	0.00949 (J)	0.0452	0.0124
10/30/2020	0.0349	0.0116	0.0428	
11/2/2020				0.0117
3/17/2021		0.0224	0.0382	
3/26/2021	0.0253			0.0184
10/5/2021		0.0283		0.02
10/6/2021	0.03		0.0493	
3/16/2022	0.037	0.0326	0.0688	0.0245
10/5/2022	0.0415	0.0248		
10/6/2022			0.0747	0.0937
4/20/2023	0.0369			
4/21/2023		0.0223	0.103	0.0355
10/24/2023				0.0274
10/25/2023	0.0427	0.0221	0.0883	
3/20/2024			0.0958	
3/21/2024	0.0418	0.0246		0.0307
10/2/2024	0.0407	0.0174	0.11	0.0264
3/17/2025		0.0152		
3/18/2025	0.0408		0.108	0.0225
Mean	0.02929	0.01436	0.05663	0.01917
Std. Dev.	0.008946	0.007329	0.02394	0.01682
Upper Lim.	0.03365	0.0221	0.0688	0.0225
Lower Lim.	0.02493	0.0093	0.0424	0.0117

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 5/6/2025 3:27 PM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-3	BAW-7
3/23/2016	<0.001	<0.001
5/17/2016		<0.001
5/18/2016	<0.001	
7/12/2016		<0.001
7/13/2016	<0.001	
9/13/2016		<0.001
9/14/2016	<0.001	
11/19/2016	<0.001	<0.001
1/17/2017	<0.001	<0.001
3/22/2017		<0.001
3/23/2017	<0.001	
5/24/2017	<0.001	<0.001
3/28/2018	<0.001	
3/29/2018		<0.001
11/8/2018	<0.001	
11/9/2018		<0.001
2/12/2019	<0.001	<0.001
4/17/2019	<0.001	
4/18/2019		<0.001
2/21/2020	<0.001	<0.001
4/14/2020	<0.001	<0.001
10/30/2020	<0.001	
11/2/2020		<0.001
3/26/2021	<0.001	<0.001
10/5/2021		0.000185 (J)
10/6/2021	<0.001	
3/16/2022	<0.001	<0.001
10/5/2022	<0.001	
10/6/2022		<0.001
4/20/2023	0.000225 (J)	
4/21/2023		<0.001
10/24/2023		<0.001
10/25/2023	0.000225 (J)	
3/21/2024	<0.001	<0.001
10/2/2024	0.000235 (J)	<0.001
3/18/2025	0.00026 (J)	<0.001
Mean	0.0008727	0.000966
Std. Dev.	0.0002908	0.0001664
Upper Lim.	0.001	0.001
Lower Lim.	0.00026	0.000185

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 5/6/2025 3:27 PM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-3	BAW-5
3/23/2016	0.00041 (J)	<0.001
5/17/2016		<0.001
5/18/2016	<0.0025	
7/13/2016	0.00087 (J)	<0.001
9/13/2016		<0.001
9/14/2016	0.00078 (J)	
11/19/2016	0.00054 (J)	<0.001
1/17/2017	0.00048 (J)	
1/18/2017		<0.001
3/23/2017	0.00059 (J)	<0.001
5/24/2017	0.00081 (J)	<0.001
3/28/2018	0.0008 (J)	<0.001
6/2/2018	0.001 (J)	<0.001
11/8/2018	0.00085 (J)	
11/9/2018		<0.001
2/11/2019		<0.001
2/12/2019	0.000877 (J)	
4/17/2019	0.000915 (J)	<0.001
9/30/2019	0.00112 (J)	0.000155 (J)
2/21/2020	0.000962 (J)	
2/22/2020		<0.001
4/14/2020	0.00107 (J)	<0.001
10/30/2020	0.00084 (J)	<0.001
3/17/2021		<0.001
3/26/2021	0.000615 (J)	
10/6/2021	0.000338 (J)	<0.001
3/16/2022	0.000252 (J)	<0.001
10/5/2022	0.000379 (J)	
10/6/2022		<0.001
4/20/2023	0.0004 (J)	
4/21/2023		<0.001
10/25/2023	0.00035 (J)	<0.001
3/20/2024		<0.001
3/21/2024	0.000401 (J)	
10/2/2024	0.000605 (J)	<0.001
3/18/2025	0.00043 (J)	<0.001
Mean	0.0006898	0.0009675
Std. Dev.	0.0002789	0.0001657
Upper Lim.	0.0008257	0.001
Lower Lim.	0.0005538	0.000155

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/6/2025 3:27 PM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.002	0.0015 (J)	0.0012 (J)	<0.002
5/17/2016		<0.002	<0.002	<0.002
5/18/2016	<0.002			
7/12/2016				<0.002
7/13/2016	0.003	0.0015 (J)	0.0024 (J)	
9/13/2016			<0.002	<0.002
9/14/2016	<0.002	<0.002		
11/19/2016	<0.002	0.0011 (J)	<0.002	<0.002
1/17/2017	<0.002			<0.002
1/18/2017		<0.002	<0.002	
3/22/2017				<0.002
3/23/2017	<0.002	<0.002	<0.002	
5/24/2017	<0.002	<0.002	<0.002	<0.002
3/28/2018	<0.002	<0.002	0.005	
3/29/2018				<0.002
6/2/2018	<0.002	<0.002	<0.002	<0.002
11/8/2018	<0.002	<0.002		
11/9/2018			<0.002	<0.002
2/11/2019		<0.002	<0.002	
2/12/2019	0.00165 (J)			<0.002
4/17/2019	<0.002	<0.002	<0.002	
4/18/2019				<0.002
9/27/2019				0.00206 (J)
9/30/2019	<0.002	<0.002	<0.002	
2/21/2020	<0.002			<0.002
2/22/2020		<0.002	<0.002	
10/30/2020	<0.002	<0.002	<0.002	
11/2/2020				<0.002
3/17/2021		<0.002	<0.002	
3/26/2021	<0.002			<0.002
10/5/2021		<0.002		<0.002
10/6/2021	<0.002		<0.002	
3/16/2022	<0.002	<0.002	<0.002	<0.002
10/5/2022	0.0191	<0.002		
10/6/2022			<0.002	<0.002
4/20/2023	<0.002			
4/21/2023		<0.002	<0.002	<0.002
10/24/2023				<0.002
10/25/2023	<0.002	<0.002	<0.002	
3/20/2024			<0.002	
3/21/2024	<0.002	<0.002		<0.002
10/2/2024	0.00133 (J)	0.00204	0.00175 (J)	0.00171 (J)
3/17/2025		<0.002		
3/18/2025	<0.002		<0.002	0.00762
Mean	0.002683	0.001926	0.002094	0.002216
Std. Dev.	0.00343	0.0002211	0.0006338	0.001127
Upper Lim.	0.003	0.002	0.0024	0.00206
Lower Lim.	0.00165	0.0015	0.00175	0.00171

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/6/2025 3:27 PM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	0.0055	0.00094 (J)	<0.0005	0.0011 (J)
5/17/2016		0.0007 (J)	<0.0005	0.001 (J)
5/18/2016	0.0059			
7/12/2016				0.00091 (J)
7/13/2016	0.0048	0.0016 (J)	0.00042 (J)	
9/13/2016			<0.0005	0.001 (J)
9/14/2016	0.0063	0.0011 (J)		
11/19/2016	0.0056	0.0012 (J)	<0.0005	0.00083 (J)
1/17/2017	0.0046			0.00091 (J)
1/18/2017		0.0011 (J)	<0.0005	
3/22/2017				0.00098 (J)
3/23/2017	0.0049	0.0011 (J)	<0.0005	
5/24/2017	0.0052	0.0012 (J)	<0.0005	0.00098 (J)
3/28/2018	0.0063	0.00095 (J)	<0.0005	
3/29/2018				0.00063 (J)
6/2/2018	0.0068	0.0012 (J)	<0.0005	0.00087 (J)
11/8/2018	0.0068	0.0011 (J)		
11/9/2018			<0.0005	0.00076 (J)
2/11/2019		0.00093 (J)	<0.0005	
2/12/2019	0.00552			0.000661 (J)
4/17/2019	0.00603	0.00116 (J)	<0.0005	
4/18/2019				0.000705 (J)
9/27/2019				0.00071 (J)
9/30/2019	0.0062	0.001 (J)	<0.0005	
2/21/2020	0.00576			0.000634 (J)
2/22/2020		0.000907 (J)	<0.0005	
4/14/2020	0.00633	0.00105 (J)	<0.0005	0.000684 (J)
10/30/2020	0.00657	0.00102 (J)	<0.0005	
11/2/2020				0.000729 (J)
3/17/2021		0.00208	<0.0005	
3/26/2021	0.00339			0.000995
10/5/2021		0.00187		0.00112
10/6/2021	0.00336		0.000802	
3/16/2022	0.00289	0.00182	0.000967	0.00141
10/5/2022	0.00821	0.00121		
10/6/2022			0.00143	0.00548
4/20/2023	0.0083			
4/21/2023		0.00142	0.00275	0.00216
10/24/2023				0.00143
10/25/2023	0.0092	0.00187	0.000885	
3/20/2024			0.00131	
3/21/2024	0.00945	0.0016		0.00186
10/2/2024	0.0105	0.00163	0.00176	0.00256
3/17/2025		0.000865		
3/18/2025	0.0102		0.00147	0.00176
Mean	0.006331	0.001255	0.0007805	0.001264
Std. Dev.	0.001987	0.0003644	0.0005488	0.0009916
Upper Lim.	0.0073	0.001432	0.000885	0.00141
Lower Lim.	0.005363	0.001077	0.0005	0.000729

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/6/2025 3:27 PM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<5	<5	0.549	<5
5/17/2016		<5	0.551	<5
5/18/2016	<5			
7/12/2016				0.165 (U)
7/13/2016	0.27 (U)	0.0365 (U)	0.859	
9/13/2016			0.367 (U)	0.341 (U)
9/14/2016	-0.0909 (U)	0.3 (U)		
11/19/2016	0.416	<5 (U)	<5 (U)	<5 (U)
1/17/2017	0.412 (U)			0.124 (U)
1/18/2017		0.235 (U)	0.289 (U)	
3/22/2017				0.0719 (U)
3/23/2017	0.0761 (U)	0.168 (U)	0.554	
5/24/2017	0.0415 (U)	-0.0607 (U)	0.831	0.441
3/28/2018	0.398	0.42	0.458	
3/29/2018				0.731
6/2/2018	-0.253 (U)	0.0844 (U)	0.226 (U)	0.303 (U)
11/8/2018	0.343 (U)	0.367 (U)		
11/9/2018			0.298 (U)	0.00226 (U)
2/11/2019		0.0402 (U)	0.15 (U)	
2/12/2019	0.581			0.094 (U)
4/17/2019	0.646	0.493	0.326 (U)	
4/18/2019				0.48
9/27/2019				0.497
9/30/2019	1	0.404		
2/21/2020	0.126 (U)			0.375
2/22/2020		0.53	0.47	
4/14/2020	0.338	0.0408 (U)	0.376 (U)	0.329 (U)
10/30/2020	0.485	0.344	0.528	
11/2/2020				0.535
3/17/2021		0.312 (U)	0.0889 (U)	
3/26/2021	0.78			0.813
10/5/2021		1.06		0.814
10/6/2021	0.503		0.931	
3/16/2022	0.286 (U)	0.314 (U)	1.39	1.39
10/21/2022	1.29	0.562 (U)	1.36	2.03
4/20/2023	0.884			
4/21/2023		0.158 (U)	1.73	0.802
10/24/2023				0.7
10/25/2023	0.857	0.472 (U)	1.49	
3/20/2024			0.758	
3/21/2024	0.926	0.754		0.606
10/2/2024	-0.14 (U)	-0.111 (U)	1.22	0.813
3/17/2025		0.085 (U)		
3/18/2025	-0.0426 (U)		3.22	0.806
Mean	0.582	0.558	0.8608	0.7986
Std. Dev.	0.6808	0.7598	0.7557	0.758
Upper Lim.	0.857	0.53	1.078	0.9959
Lower Lim.	0.126	0.085	0.4525	0.3635

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/6/2025 3:27 PM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.1	0.04 (J)	0.06 (J)	<0.1
5/17/2016		0.04 (J)	0.07 (J)	<0.1
5/18/2016	<0.1			
7/12/2016				<0.1
7/13/2016	<0.1	0.05 (J)	0.08 (J)	
9/13/2016			0.06 (J)	<0.1
9/14/2016	<0.1	0.04 (J)		
11/19/2016	<0.1	0.04 (J)	0.06 (J)	<0.1
1/17/2017	<0.1			<0.1
1/18/2017		<0.1	0.05 (J)	
3/22/2017				<0.1
3/23/2017	<0.1	<0.1	0.05 (J)	
5/24/2017	<0.1	0.04 (J)	0.06 (J)	<0.1 (D)
10/16/2017	<0.1	<0.1	0.06 (J)	<0.1
3/28/2018	<0.1	0.04 (J)	0.06 (J)	
3/29/2018				<0.1
6/2/2018	<0.1	0.05 (J)	0.06 (J)	<0.1
11/8/2018	<0.1	0.05 (J)		
11/9/2018			0.06 (J)	<0.1
2/11/2019		<0.1	0.0368 (J)	
2/12/2019	<0.1			<0.1
4/17/2019	<0.1	0.033 (J)	0.0421 (J)	
4/18/2019				<0.1
9/27/2019				<0.1
9/30/2019	<0.1	<0.1	0.045 (J)	
2/21/2020	<0.1			<0.1
2/22/2020		0.0317 (J)	0.0434 (J)	
4/14/2020	0.034 (J)	0.0508 (J)	0.059 (J)	0.0415 (J)
10/30/2020	<0.1	<0.1	<0.1	
11/2/2020				<0.1
3/17/2021		0.0544 (J)	0.0575 (J)	
3/26/2021	<0.1			<0.1
10/5/2021		0.0505 (J)		<0.1
10/6/2021	<0.1		0.0725 (J)	
3/16/2022	0.0307 (J)	0.0462 (J)	0.176	0.0266 (J)
10/5/2022	<0.1	0.0322 (J)		
10/6/2022			0.0972 (J)	<0.1
4/20/2023	<0.1			
4/21/2023		0.0441 (J)	0.0665 (J)	<0.1
10/24/2023				<0.1
10/25/2023	<0.1	0.0393 (J)	0.0858 (J)	
3/20/2024			0.11	
3/21/2024	0.0537 (J)	0.0578 (J)		0.0292 (J)
10/2/2024	0.026 (J)	0.04 (J)	0.0865 (J)	<0.1
3/17/2025		0.0657 (J)		
3/18/2025	0.0294 (J)		0.145	0.0432 (J)
Mean	0.08792	0.05688	0.07049	0.09039
Std. Dev.	0.02618	0.02469	0.03121	0.02366
Upper Lim.	0.1	0.0657	0.07802	0.1
Lower Lim.	0.0537	0.04	0.0553	0.0432

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/6/2025 3:27 PM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.001	0.00039 (J)	<0.001	<0.001
5/17/2016		<0.001	<0.001	<0.001
5/18/2016	<0.001			
7/12/2016				<0.001
7/13/2016	<0.001	<0.001	<0.001	
9/13/2016			<0.001	<0.001
9/14/2016	0.00056 (J)	<0.001		
11/19/2016	<0.001	0.00042 (J)	<0.001	<0.001
1/17/2017	<0.001			<0.001
1/18/2017		<0.001	<0.001	
3/22/2017				<0.001
3/23/2017	0.00038 (J)	<0.001	<0.001	
5/24/2017	0.00036 (J)	<0.001	<0.001	<0.001
3/28/2018	<0.001	<0.001	<0.001	
3/29/2018				<0.001
11/8/2018	<0.001	<0.001		
11/9/2018			<0.001	<0.001
2/11/2019		<0.001	<0.001	
2/12/2019	0.000139 (J)			<0.001
4/17/2019	<0.001	<0.001	<0.001	
4/18/2019				<0.001
9/27/2019				0.000129 (J)
9/30/2019	0.000322 (J)	0.000191 (J)	0.000152 (J)	
2/21/2020	0.00015 (J)			<0.001
2/22/2020		<0.001	<0.001	
4/14/2020	0.000236 (J)	<0.001	<0.001	<0.001
10/30/2020	0.000136 (J)	<0.001	<0.001	
11/2/2020				<0.001
3/17/2021		0.000153 (J)	<0.001	
3/26/2021	0.000145 (J)			<0.001
10/5/2021		<0.001		<0.001
10/6/2021	<0.001		<0.001	
3/16/2022	<0.001	<0.001	<0.001	<0.001
10/5/2022	<0.001	<0.001		
10/6/2022			<0.001	<0.001
4/20/2023	<0.001			
4/21/2023		<0.001	<0.001	<0.001
10/24/2023				<0.001
10/25/2023	<0.001	<0.001	<0.001	
3/20/2024			<0.001	
3/21/2024	<0.001	<0.001		<0.001
10/2/2024	0.000425 (J)	0.0003 (J)	0.00032 (J)	0.000345 (J)
3/17/2025		<0.001		
3/18/2025	<0.001		<0.001	<0.001
Mean	0.0007141	0.0008582	0.0009389	0.000939
Std. Dev.	0.0003685	0.0002935	0.0002129	0.0002136
Upper Lim.	0.001	0.001	0.001	0.001
Lower Lim.	0.00036	0.00042	0.00032	0.000345

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/6/2025 3:27 PM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	<0.005	0.044	0.17	<0.005
5/17/2016		0.028	0.2	<0.005
5/18/2016	<0.005			
7/12/2016				<0.005
7/13/2016	<0.005	0.026	0.17	
9/13/2016			0.17	<0.005
9/14/2016	<0.005	0.026		
11/19/2016	<0.005	0.026	0.18	0.0035 (J)
1/17/2017	<0.005			<0.005
1/18/2017		0.027	0.2	
3/22/2017				<0.005
3/23/2017	<0.005	0.024	0.19	
5/24/2017	<0.005	0.027	0.21	<0.005
3/28/2018	0.0023 (J)	0.021	0.23	
3/29/2018				0.0026 (J)
6/2/2018	0.002 (J)	0.022	0.19	0.0029 (J)
11/8/2018	0.0024 (J)	0.025		
11/9/2018			0.18	0.0027 (J)
2/11/2019		0.0229	0.161	
2/12/2019	<0.005			<0.005
4/17/2019	0.00197 (J)	0.0236	0.174	
4/18/2019				0.00238 (J)
9/27/2019				0.00375 (J)
9/30/2019	0.00687	0.0249	0.166	
2/21/2020	<0.005			<0.005
2/22/2020		0.0211	0.169	
4/14/2020	<0.005	0.0224	0.192	<0.005
10/30/2020	<0.005	0.0267	0.194	
11/2/2020				<0.005
3/17/2021		0.0174	0.12	
3/26/2021	<0.005			<0.005
10/5/2021		0.0127		0.0045 (J)
10/6/2021	<0.005		0.0994	
3/16/2022	0.0038 (J)	0.0112	0.0629	0.00437 (J)
10/5/2022	0.00322 (J)	0.00676		
10/6/2022			0.0534	0.0123
4/20/2023	0.00309 (J)			
4/21/2023		0.0091	0.0564	0.0107
10/24/2023				0.00555
10/25/2023	0.0033 (J)	0.0123	0.0679	
3/20/2024			0.0786	
3/21/2024	0.00355 (J)	0.013		0.0037 (J)
10/2/2024	0.00575	0.0119	0.0774	<0.005
3/17/2025		0.0113		
3/18/2025	0.00538		0.0874	0.0064
Mean	0.00437	0.02089	0.1481	0.005013
Std. Dev.	0.001255	0.008123	0.05524	0.002159
Upper Lim.	0.005	0.02485	0.1792	0.00555
Lower Lim.	0.0033	0.01694	0.1327	0.00375

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/6/2025 3:27 PM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-3	BAW-4	BAW-5	BAW-7
3/23/2016	8.4E-05 (JB)	7.3E-05 (JB)	7.4E-05 (JB)	7.1E-05 (JB)
5/17/2016		<0.0002	<0.0002	<0.0002
5/18/2016	<0.0002			
7/12/2016				<0.0002
7/13/2016	<0.0002	<0.0002	<0.0002	
9/13/2016			<0.0002	<0.0002
9/14/2016	<0.0002	<0.0002		
11/19/2016	<0.0002	<0.0002	<0.0002	<0.0002
1/17/2017	<0.0002			<0.0002
1/18/2017		<0.0002	<0.0002	
3/22/2017				<0.0002
3/23/2017	0.00013 (J)	0.00013 (J)	<0.0002	
5/24/2017	<0.0002	<0.0002	<0.0002	<0.0002
3/28/2018	<0.0002	<0.0002	<0.0002	
3/29/2018				<0.0002
2/11/2019		<0.0002	<0.0002	
2/12/2019	<0.0002			<0.0002
4/17/2019	<0.0002	<0.0002	<0.0002	
4/18/2019				<0.0002
2/21/2020	<0.0002			<0.0002
2/22/2020		<0.0002	<0.0002	
10/30/2020	0.000497	<0.0002	<0.0002	
11/2/2020				<0.0002
3/17/2021		<0.0002	<0.0002	
3/26/2021	<0.0002			0.000235
10/5/2021		<0.0002		0.000151 (J)
10/6/2021	<0.0002		<0.0002	
3/16/2022	<0.0002	<0.0002	<0.0002	0.0012
10/5/2022	<0.0002	<0.0002		
10/6/2022			<0.0002	<0.0002
4/20/2023	<0.0002			
4/21/2023		<0.0002	<0.0002	<0.0002
10/24/2023				<0.0002
10/25/2023	<0.0002	<0.0002	<0.0002	
3/20/2024			0.000134 (J)	
3/21/2024	0.000133 (J)	0.000135 (J)		0.000143 (J)
10/2/2024	<0.0002	<0.0002	<0.0002	<0.0002
3/17/2025		<0.0002		
3/18/2025	<0.0002		<0.0002	<0.0002
Mean	0.000202	0.0001881	0.0001913	0.0002364
Std. Dev.	7.269E-05	3.247E-05	2.973E-05	0.0002176
Upper Lim.	0.000497	0.0002	0.0002	0.000235
Lower Lim.	0.000133	0.000135	0.000134	0.000151

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/6/2025 3:27 PM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-4	BAW-5	BAW-7
3/23/2016	<0.005	0.0026 (J)	<0.005
5/17/2016	<0.005	0.0011 (J)	<0.005
7/12/2016			<0.005
7/13/2016	<0.005	0.0079 (J)	
9/13/2016		0.0038 (J)	<0.005
9/14/2016	<0.005		
11/19/2016	<0.005	0.0014 (J)	<0.005
1/17/2017			<0.005
1/18/2017	<0.005	0.001 (J)	
3/22/2017			0.0038 (J)
3/23/2017	<0.005	<0.015	
5/24/2017	<0.005	0.0014 (J)	<0.005
3/28/2018	<0.005	<0.015	
3/29/2018			<0.005
11/8/2018	<0.005		
11/9/2018		<0.015	<0.005
2/11/2019	<0.005	<0.015	
2/12/2019			<0.005
4/17/2019	<0.005	<0.015	
4/18/2019			<0.005
2/21/2020			<0.005
2/22/2020	0.000616 (J)	0.000627 (J)	
4/14/2020	<0.005	0.000747 (J)	<0.005
10/30/2020	<0.005	<0.015	
11/2/2020			<0.005
3/17/2021	0.0032 (J)	0.00328 (J)	
3/26/2021			<0.005
10/5/2021	0.00109 (J)		<0.005
10/6/2021		0.00364 (J)	
3/16/2022	0.000916 (J)	0.00533	<0.005
10/5/2022	0.000939 (J)		
10/6/2022		0.00424 (J)	<0.005
4/21/2023	0.00109 (J)	0.00651	<0.005
10/24/2023			<0.005
10/25/2023	<0.005	0.0036 (J)	
3/20/2024		0.00366 (J)	
3/21/2024	0.000937 (J)		<0.005
10/2/2024	0.00108 (J)	0.00335 (J)	<0.005
3/17/2025	0.00111 (J)		
3/18/2025		0.00384 (J)	<0.005
Mean	0.003582	0.006168	0.00495
Std. Dev.	0.001922	0.005488	0.0002449
Upper Lim.	0.005	0.003815	0.005
Lower Lim.	0.00109	0.001841	0.0038

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 5/6/2025 3:27 PM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-3	BAW-5	BAW-7
3/23/2016	0.00033 (J)	<0.005	<0.005
5/17/2016		<0.005	0.00026 (J)
5/18/2016	<0.005		
7/12/2016			<0.005
7/13/2016	0.00041 (J)	<0.005	
9/13/2016		<0.005	0.00031 (J)
9/14/2016	0.00079 (J)		
11/19/2016	<0.005	<0.005	<0.005
1/17/2017	<0.005		<0.005
1/18/2017		<0.005	
3/22/2017			0.0021
3/23/2017	<0.005	<0.005	
5/24/2017	0.00028 (J)	0.00033 (J)	0.00026 (J)
3/28/2018	0.00038 (J)	<0.005	
3/29/2018			0.00036 (J)
6/2/2018	0.00031 (J)	<0.005	<0.005
11/8/2018	0.00088 (J)		
11/9/2018		<0.005	<0.005
2/11/2019		<0.005	
2/12/2019	<0.005		<0.005
4/17/2019	<0.005	<0.005	
4/18/2019			<0.005
2/21/2020	<0.005		<0.005
2/22/2020		<0.005	
10/30/2020	<0.005	<0.005	
11/2/2020			<0.005
3/17/2021		<0.005	
3/26/2021	<0.005		<0.005
10/5/2021			<0.005
10/6/2021	<0.005	<0.005	
3/16/2022	<0.005	<0.005	<0.005
10/5/2022	<0.005		
10/6/2022		<0.005	<0.005
4/20/2023	<0.005		
4/21/2023		<0.005	<0.005
10/24/2023			<0.005
10/25/2023	<0.005	<0.005	
3/20/2024		<0.005	
3/21/2024	<0.005		<0.005
10/2/2024	<0.005	<0.005	<0.005
3/18/2025	0.00101 (J)	0.00176 (J)	<0.005
Mean	0.003516	0.00467	0.004095
Std. Dev.	0.00215	0.001136	0.001832
Upper Lim.	0.005	0.005	0.005
Lower Lim.	0.00079	0.00176	0.0021

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 5/6/2025 3:27 PM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Bottom Ash CCR

	BAW-3	BAW-7
3/23/2016	<0.001	<0.001
5/17/2016		<0.001
5/18/2016	<0.001	
7/12/2016		<0.001
7/13/2016	<0.001	
9/13/2016		<0.001
9/14/2016	9.5E-05 (J)	
11/19/2016	<0.001	<0.001
1/17/2017	<0.001	<0.001
3/22/2017		<0.001
3/23/2017	<0.001	
5/24/2017	<0.001	<0.001
3/28/2018	<0.001	
3/29/2018		<0.001
11/8/2018	8.5E-05 (J)	
11/9/2018		<0.001
2/12/2019	<0.001	<0.001
4/17/2019	<0.001	
4/18/2019		<0.001
2/21/2020	0.000276 (J)	<0.001
4/14/2020	0.000158 (J)	<0.001
10/30/2020	<0.001	
11/2/2020		<0.001
3/26/2021	<0.001	<0.001
10/5/2021		0.000153 (J)
10/6/2021	<0.001	
3/16/2022	<0.001	<0.001
10/5/2022	<0.001	
10/6/2022		<0.001
4/20/2023	<0.001	
4/21/2023		<0.001
10/24/2023		<0.001
10/25/2023	<0.001	
3/21/2024	<0.001	<0.001
10/2/2024	<0.001	<0.001
3/18/2025	<0.001	<0.001
Mean	0.0008589	0.0009647
Std. Dev.	0.0003238	0.0001729
Upper Lim.	0.001	0.001
Lower Lim.	0.000276	0.000153

ND substitution: RL or RL/2 if <15% NDs.

Trend Tests - Confidence Interval Exceedances

Appendix IV Trend Tests - Confidence Interval Excedances - Significant Results

Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/14/2025, 4:27 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Lithium (mg/L)	**BAW-5**	**-0.01437**	**-155**	**-90**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Confidence Interval Exceedances - All Results

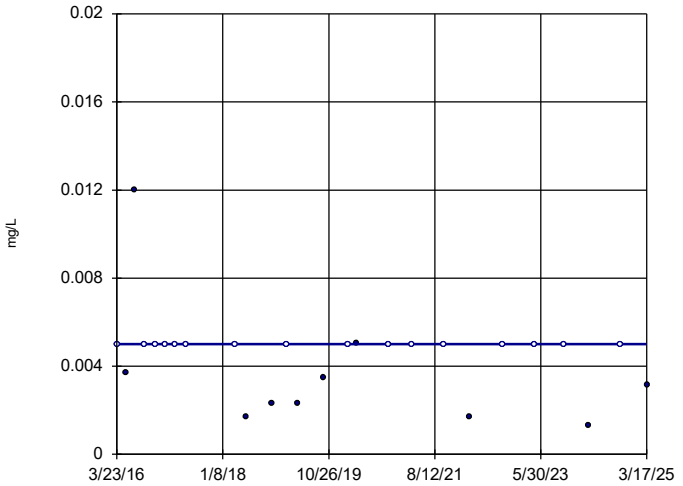
Plant Daniel Client: Southern Company Data: Bottom Ash CCR Printed 5/14/2025, 4:27 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Lithium (mg/L)	BAW-1 (bg)	0	-43	-90	No	26	61.54	n/a	n/a	0.05	NP
Lithium (mg/L)	BAW-2 (bg)	0	0	17	No	8	100	n/a	n/a	0.05	NP
Lithium (mg/L)	BAW-2A (bg)	0	6	49	No	17	52.94	n/a	n/a	0.05	NP
Lithium (mg/L)	**BAW-5**	**-0.01437**	**-155**	**-90**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-1 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = -43
critical = -90

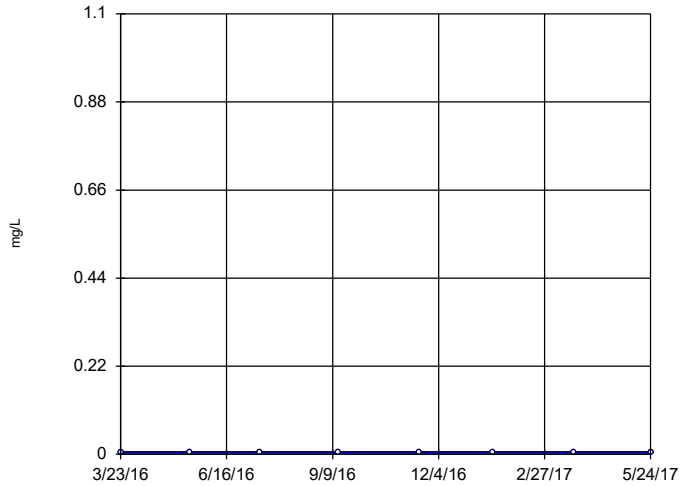
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 5/14/2025 4:26 PM View: Appendix IV Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 17

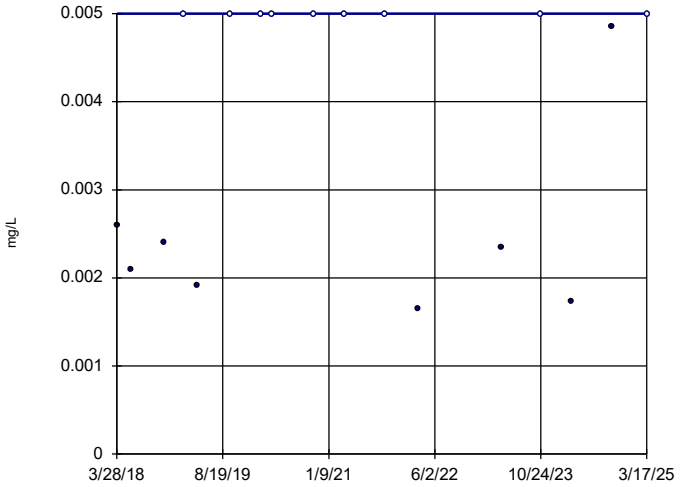
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 5/14/2025 4:26 PM View: Appendix IV Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BAW-2A (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 6
critical = 49

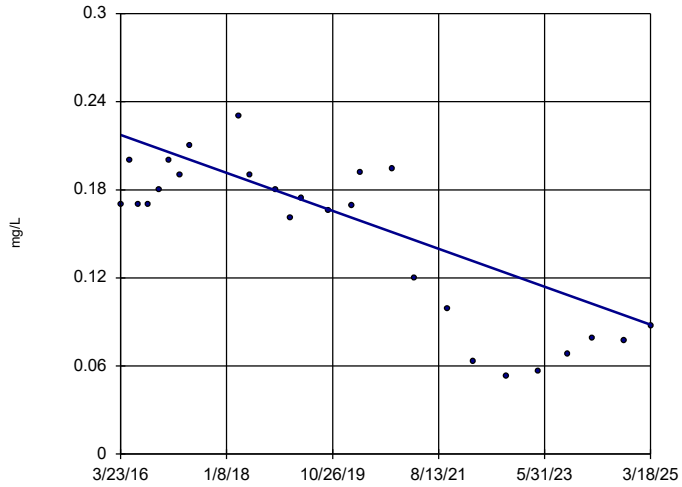
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 5/14/2025 4:26 PM View: Appendix IV Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

BAW-5



n = 26

Slope = -0.01437 units per year.

Mann-Kendall statistic = -155
critical = -90

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 5/14/2025 4:26 PM View: Appendix IV Trend Tests
Plant Daniel Client: Southern Company Data: Bottom Ash CCR