REPORT

2025 Annual Groundwater Monitoring and Corrective Action Report

Georgia Power Company - Plant McDonough-Atkinson Ash Pond 1

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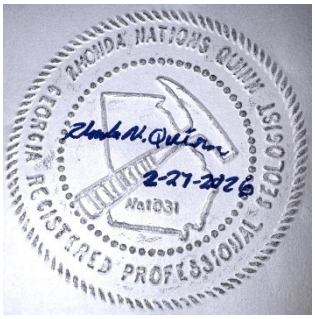
February 27, 2025

Certification

This *2025 Semi-Annual Groundwater Monitoring and Corrective Action Report*, Georgia Power Company - Plant McDonough - Atkinson–Ash Pond 1 (AP-1) has been prepared in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule (40 Code of Federal Regulations [CFR] 257 Subpart D), specifically § 257.90(e), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 by a qualified groundwater scientist or engineer with WSP USA Inc. I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management 391-3-4-.01.

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Executive Summary

This summary of the *2025 Semi-Annual Groundwater Monitoring and Corrective Action Report* provides the status of the groundwater monitoring and corrective program from July through December 2025 at Georgia Power Company (Georgia Power)'s Plant McDonough-Atkinson Ash Pond 1 (AP-1, Site). Groundwater monitoring and reporting for AP-1 are performed by WSP USA Inc., in accordance with the United States Environmental Protection Agency (US EPA) Coal Combustion Residuals (CCR) Rule published in the Code of Federal Regulations (CFR) Title 40 Part 257 (40 CFR Part 257, Subpart D) dated April 17, 2015, and revised July 2018, 40 CFR § 257.90 through § 257.98. As required in 40 CFR § 257.90(e), this Semi-Annual Report describes the status of the groundwater monitoring program, summarizes key actions completed, and presents projected key activities for the upcoming reporting period at AP-1. Other CCR units (AP-2 and 3/4) at Plant McDonough-Atkinson (Plant McDonough, Site) are reported separately.

Plant McDonough, formerly a coal-fired power generating facility, was converted to a natural gas combined-cycle power generating facility in 2011. Located approximately 7 miles northwest of Atlanta in southeast Cobb County (5551 South Cobb Drive SE, Smyrna, Georgia 30339), the property occupies approximately 390 acres and is bounded on the southeast by the Chattahoochee River.



Plant McDonough

Groundwater at AP-1 is monitored using a comprehensive network of upgradient and downgradient wells that meet federal and state monitoring requirements. Routine semi-annual sampling and reporting for AP-1 began in 2018 after the background groundwater conditions were established between 2016 and 2018.

Based on groundwater quality, an assessment monitoring program and assessment of corrective measures were established on November 13, 2019, and July 9, 2020, respectively. During the 2025 Semi-Annual reporting period, the Site remained in assessment monitoring as corrective measures are evaluated. Groundwater elevation measurements were recorded from the Site monitoring wells prior to each sampling event to confirm the groundwater flow direction.

2025 Semi-Annual Groundwater Monitoring Activities

Three wells were installed at AP-1 during this reporting period. Two monitoring wells, DGWC-134 and DGWC-135 were added to the detection network. An air-sparge well, AS-01, was installed to supplement the current network of pilot study wells near detection well DGWC-69. A semi-annual groundwater monitoring event for AP-1 was conducted in September 2025. In addition, new wells (DGWC-134 and DGWC-135) and DGWC-41 were sampled in October 2025.

Groundwater samples were collected and analyzed for Appendix III and IV monitoring parameters. The analytical data were statistically analyzed in accordance with the Site's certified statistical analysis method. For the September 2025 semi- annual monitoring event, statistical analyses indicate statistically significant increases (SSIs) for Appendix III constituents and statistically significant levels (SSLs) of Appendix IV constituents above the GWPS as summarized below.

Appendix III Constituent	September 2025 SSIs[1]
Boron	DGWC-37, DGWC-38, DGWC-39, DGWC-40, DGWC-67, DGWC-68A, DGWC-69, DGWC-121
Calcium	DGWC-37, DGWC-38, DGWC-39, DGWC-67, DGWC-68A, DGWC-69, DGWC-121
Chloride	DGWC-40, DGWC-67
pH	DGWC-40
Sulfate	DGWC-37, DGWC-38, DGWC-39, DGWC-40, DGWC-67, DGWC-69, DGWC-121
TDS	DGWC-37, DGWC-38, DGWC-39, DGWC-40, DGWC-67, DGWC-68A, DGWC-69, DGWC-121
Appendix IV Constituent	**September 2025 SSLs[2]**
Arsenic	DGWC-69
Cobalt	DGWC-40[4]
Molybdenum	DGWC-68A[3]

Note:

[1] An SSI is determined by an exceedance of the calculated prediction limit.

[2] An SSL is determined by comparing the confidence interval to the GWPS. Per GA EPD Rule 391-3-4-.10(6)(a), the GWPS is: (i) the MCL or the Federal and State CCR rules specified levels, or (ii) background levels for constituents where the background level is higher than the MCL or the Federal and State CCR rules specified levels.

[3] An Alternate Source Demonstration for molybdenum at DGWC-68A was approved by GA EPD on March 3, 2023.

[4] The SSL of cobalt at DGWC-40 is attributable to AP-2 and 3/4. As such, delineation and corrective action are discussed as part of the *Groundwater Monitoring and Corrective Action Report for Ash Pond AP-2 and 3/4*.

Appendix IV SSLs of arsenic and cobalt are horizontally delineated by surface water due to close proximity and limited space for installing additional monitoring wells. Surface water samples were collected during the September 2025 sampling event, and arsenic and cobalt were not detected above the reporting limit in surface water bodies downgradient of AP-1. Arsenic is vertically delineated by on-site wells. Delineation and corrective action for the cobalt concentrations observed at DGWC-40 are addressed in the *2025 Semi-Annual Groundwater Monitoring and Corrective Action Report, Ash Pond AP-2 and 3/4*. An Alternate Source Demonstration for molybdenum that documents the natural presence of molybdenum in site soils/rock was approved by GA EPD on March 3, 2023.

Based on review of the Appendix III and Appendix IV results noted above, the Site will remain in assessment monitoring. Georgia Power will continue routine groundwater monitoring and evaluation of corrective action alternatives at the Site. Reports will be posted to the website and provided to the GA EPD semi-annually. A *Draft Remedy Selection Report*, which summarizes the evaluation and proposed selection of a corrective measure, or measures, was submitted to GA EPD on August 31, 2023, and is pending GA EPD approval.

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1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (US EPA) coal combustion residuals (CCR) Rule (40 Code of Federal Regulations [CFR] 257 Subpart D) and the Georgia (GA) Environmental Protection Division (EPD) Rules for Solid Waste Management 391-3-4-.10, this *2025 Semi-Annual Groundwater Monitoring and Corrective Action Report* was prepared to document groundwater monitoring activities conducted at Georgia Power Company (Georgia Power)'s Plant McDonough-Atkinson Ash Pond 1 (AP-1) and satisfies the requirements of § 257.90(e). To specify groundwater monitoring requirements, GA EPD Rule 391-3-4-.10(6)(a) incorporates by reference the US EPA CCR rule (40 CFR 257 Subpart D). For ease of reference, the US EPA CCR rules are cited within this report.

This semi-annual report documents groundwater monitoring activity from the semi-annual monitoring event conducted in September 2025 at AP-1. Activities completed at Plant McDonough's Ash Ponds 2, and 3/4 are reported under separate cover.

1.1 Site Description and Background

Plant McDonough-Atkinson (Plant McDonough, Site), formerly a coal-fired power generating facility, was converted to a natural gas combined-cycle power generating facility in 2011. Located approximately 7 miles northwest of Atlanta in southeast Cobb County (5551 South Cobb Dr SE, Smyrna, GA 30339), the property comprises approximately 390 acres and is bounded on the southeast by the Chattahoochee River. A site location map is included as Figure 1.

Four CCR surface impoundments are located on Site: Ash Pond 1 (AP-1), Ash Pond 2 (AP-2), Ash Pond 3 (AP-3) and Ash Pond 4 (AP-4). A notification of intent to initiate closure of the inactive CCR surface impoundment for AP-1 was certified on December 7, 2015 and posted to Georgia Power's website. A permit application package was submitted to GA EPD in November 2018 and is pending approval. Groundwater monitoring and reporting for AP-1 are being performed to meet the alternate schedule in § 257.100(e)(5) of the revised US EPA CCR rule (August 5, 2016).

The AP-1 surface impoundment at Plant McDonough has been closed in place. The closure process included placement of a permanent cover system designed to minimize infiltration and erosion and to meet or exceed the requirements of 257.102(d)(3)(ii). To further enhance the in-place closure of AP-1, a subsurface perimeter barrier wall (barrier wall) is included in the Closure Plan as an Advanced Engineering Measure (AEM). The term AEM refers to engineering controls that are technologies or measures designed to enhance the protection of groundwater and closure effectiveness, and/or further minimize future maintenance of the unit. The proposed barrier wall will fully encircle the AP-1 footprint (as a laterally continuous feature); however, the target installation depth is under review and approval by GA EPD. AP-3 and AP-4 have historically operated together and are being closed as a Combined Unit (AP-3/4). AP-2 and 3/4 are reported separately from AP-1. CCR removal and consolidation at Plant McDonough AP-2, and 3/4 is substantially complete, pending certification. Areas of certified CCR removal are shown on Figure 2.

1.2 Regional Geology and Hydrogeologic Setting

The following section and subsections include a general description of regional geologic and hydrogeologic characteristics of formations that occur beneath the Site (WSP 2025a).

The Site is located in the Piedmont/Blue Ridge geologic province, which contains some of the oldest rock formations in the southeastern United States. These late Precambrian to late Paleozoic rocks have undergone repeated cycles of igneous intrusions and extrusions, metamorphism, folding, faulting, shearing, and silicification. Rock outcrops near the Site consist of biotite gneiss, porphyritic gneiss, mica schist, and quartzite.

Residual soils, primarily clayey/sandy silt, sandy silt with clay, and silty sand, occur as a variably thick blanket overlying bedrock across most of the Site. These residual saprolitic soils along with saprolitic transitionally or partially weathered rock, collectively referred to as the overburden, range between approximately 9 to 65 feet in thickness across the Site, with an average thickness of approximately 43 feet. Saprolitic rock is considered to be transitionally weathered rock (TWR) or partially weathered rock (PWR). Where TWR is a qualitative description based on visual observations, PWR is defined by Standard Penetration Test (SPT) blow counts that exceed 50 blows/six inches.

A regional, unconfined surficial aquifer system is present at the Site, existing within the overburden and weathered and fractured upper bedrock (e.g., approximately the first 30 feet), depending on topographic location. Recharge primarily occurs through precipitation and subsequent infiltration. Generally, groundwater flow occurs through intergranular pore spaces in the overburden and is controlled by topography and top of rock variations.

A limited and localized bedrock aquifer system also occurs beneath the Site. The upper bedrock is fractured and weathered, connected hydraulically with the overburden groundwater, and considered part of the uppermost aquifer. The overlying silt/clay-rich overburden may act to retard recharge into the bedrock aquifer system. In addition, deeper bedrock (i.e., greater than approximately 30 feet into the bedrock) is unweathered with few discontinuities (e.g., fractures) available to store or transmit groundwater.

1.3 Groundwater Monitoring Network

Pursuant to § 257.91, a groundwater monitoring system was installed within the uppermost aquifer at AP-1 to monitor groundwater passing the waste boundary. Wells were located to monitor upgradient and downgradient groundwater conditions based on groundwater flow direction. AP-1 monitoring well and piezometer locations are shown on Figure 3. Construction details are presented in Table 1 for each well in the current site groundwater monitoring network, including detection monitoring wells, assessment monitoring wells, and piezometers for AP-1; and the separate multi-unit monitoring network wells for AP-2 and 3/4.

2.0 GROUNDWATER MONITORING ACTIVITIES

The following section describes monitoring-related activities for sampling performed at the Site from July through December 2025. Routine groundwater sampling was performed in September 2025 in accordance with the Site's *Groundwater Monitoring Plan* (WSP, 2025b) and 40 CFR § 257.93. Field sampling forms for the monitoring events are provided in Appendix A and the laboratory analytical results are provided in Appendix B.

2.1 Monitoring Well Installation and Maintenance

Well maintenance activities during this reporting period included visual inspection of well conditions prior to sampling, recording conditions around each well, and performing exterior maintenance to provide safe access for sampling. The well condition inspection table is included in Appendix C.

Monitoring wells are inspected semi-annually to determine if any repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)) under the direction of a professional geologist or engineer registered in the State of Georgia.

During this reporting period, two new detection monitoring wells (DGWC-134 and DGWC-135) were installed at locations around AP-1 to provide additional coverage in areas at the downgradient edge of the unit (Figure 3). Shallow monitoring wells DGWC-134 and DGWC-135 are located near or adjacent to existing deeper monitoring wells DGWC-41 and DGWC-121. Going forward, wells DGWC-134 and DGWC-135 will be sampled on quarterly basis to establish background data for monitoring statistics. An installation report has been submitted under separate cover and is included in Appendix F.

Additionally, an air-sparge well (AS-01) was installed in December 2025 to further assist with remedy selection activities at AP-1, near well DGWC-69. The installation report for AS-01 will be submitted under separate cover.

An installation report for injection wells INW-01 and INW-01A installed at AP-1 was submitted to GA EPD on September 19, 2025, and a copy is included in this report in Appendix G.

2.2 Assessment Monitoring

Pursuant to § 257.94(e)(1), an assessment monitoring program has been established for AP-1 based on identified statistically significant increases (SSIs). A notice of assessment monitoring was placed in the operating record on November 13, 2019. Following the requirements of § 257.96, an assessment of corrective measures is ongoing, and a *Draft Remedy Selection Report* was submitted to GA EPD on August 31, 2023.

Groundwater sampling was conducted for AP-1 in September 2025 in accordance with § 257.93 and GA EPD rule 391-3-4-.10(6)(a). Samples were collected from each well in the certified detection monitoring network and the established assessment monitoring network for AP-1 (Table 1). New detection wells DGWC-134, and DGWC-135 plus DGWC-41, which was converted to a detection monitoring well in the prior reporting period, were sampled in October 2025. The location of each of these monitoring wells is shown on Figure 3. Table 2 presents a summary of the groundwater sampling event completed for AP-1 and the status of the monitoring network.

The September and October 2025 groundwater samples were analyzed for Appendix III and Appendix IV constituents. Results of sampling activities are presented in Appendix B.

2.3 Additional Sampling

Arcadis, on behalf of Georgia Power, collected surface water samples from the engineered stream channel west of AP-1 and the Chattahoochee River to supplement the delineation efforts for AP-1 groundwater monitoring and compliance. Surface water samples were collected on September 9, 2025 at the locations shown on Figure 3. These samples were analyzed for Appendix III parameters and selected Appendix IV parameters (i.e., arsenic and cobalt), as shown on Table 6. Surface water samples were collected in accordance with Region 4 U.S. Environmental Protection Agency Laboratory Services and Applied Science Division, Operating Procedure: *Surface Water Sampling* (US EPA 2023a). Laboratory reports associated with September 2025 surface water sampling event are provided in Appendix B. Georgia Power will continue collecting surface water samples semi-annually as needed for site delineation.

Additional data collection and evaluation are on-going to support the proposed corrective measures (i.e., in-situ injections and monitored natural attenuation). Groundwater samples collected from the detection and assessment

monitoring well networks in September 2025 were analyzed for major ions (magnesium, potassium, sodium, total and bicarbonate alkalinity) and minor ions (iron).

2.4 Annual Water Well Survey

A potable well survey of potential groundwater wells within a two-mile radius of AP-1 was conducted in August 2025 and consisted of reviewing Federal, State, and county records, and online resources. A survey conducted by Environmental Data Resources (EDR) is included in Appendix D. Additional federal, state, and county records, and online sources outside of the EDR survey were also reviewed by WSP. No new potable well locations were identified during the 2025 well survey.

3.0 SAMPLE METHODOLOGY AND ANALYSIS

The following sections describe methods used to conduct the September 2025 semi-annual groundwater assessment monitoring event at AP-1. Groundwater analytical data and chain of custody records are presented in Appendix B.

3.1 Groundwater Elevation Measurement

Site-wide groundwater levels were measured at the start of the sampling event. Measured groundwater level data are listed in Table 3. These data were used to calculate water level elevations and develop the Site groundwater potentiometric surface map (Figure 4). The potentiometric surface map indicates that groundwater generally flows southeast across the Site and west/southwest in the northeast corner of the Site due to ongoing dewatering in that area, consistent with historical observations.

3.2 Groundwater Gradient and Flow Velocity

Hydraulic gradient is calculated as the difference in groundwater elevation (in feet) divided by the distance between two piezometers or wells (in feet). Groundwater elevation data recorded in September 2025 from three piezometer and/or well pairings were used to calculate hydraulic gradients for AP-1. These pairings (B-29/DGWC-68A, B-28/DGWC-37, and B-50/DGWC-39) located along the inferred groundwater flow paths (i.e., perpendicular to the potentiometric contours) were used to calculate hydraulic gradients for AP-1.

The Site hydraulic conductivity data set includes field measurements of the hydraulic conductivity data by groundwater zone, namely, residual soils, saprolite, TWR/PWR (collectively the overburden), and upper bedrock. The estimated average hydraulic conductivity in the uppermost aquifer (overburden plus upper bedrock) at the Site is 2.4×10^{-4} centimeters/second (cm/sec) (0.69 feet/day) (WSP, 2025a). This hydraulic conductivity value is within the range of values expected for silty sand and weathered/fractured metamorphic rocks (Freeze and Cherry, 1979).

Average groundwater flow velocities at the Site were calculated using September 2025 hydraulic gradient data, the updated hydraulic conductivity data (WSP, 2025a), and an estimated effective porosity of the screened portion of the uppermost aquifer. The updated average hydraulic conductivity of the uppermost aquifer of 0.69 feet/day (ft/day) (WSP, 2025a) was used in the velocity calculations. An effective porosity of 0.2 (20%) was used based on the default values for effective porosity recommended by US EPA for a silty-sand type soil (US EPA 1996).

The horizontal flow velocities were 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 hydraulic conductivity of the aquifer $\left(\frac{feet}{day}\right)$

i = Horizontal hydraulic gradient $\left(\frac{feet}{feet}\right)$

n_e = Effective porosity

Using this equation, groundwater flow velocities were calculated for AP-1 using September 2025 groundwater elevation data as presented in Table 4.

Calculated (horizontal) flow velocities range from approximately 25 feet per year (ft/yr) to 44 feet/year in September 2025 for AP-1. These estimated flow velocities are generally consistent with other published velocities for overburden-upper bedrock aquifers of the Piedmont (Heath, 1982 and 1984).

3.3 Groundwater Sampling

Groundwater samples were collected in accordance with § 257.93(a) and 391-3-4-.10(6) and using *Groundwater Sampling* (US EPA 2023b) as a guide. Monitoring wells were purged and sampled using low-flow sampling procedures. Dedicated and non-dedicated, low-flow pneumatic bladder pumps and peristaltic pumps were used to purge and sample the wells. Field equipment was decontaminated prior to use and between wells using the *Field Equipment Cleaning and Decontamination* (US EPA 2020a). Aqua TROLL® 400 meters were used to monitor and record field water quality parameters (temperature, specific conductance, dissolved oxygen [DO], pH, and oxidation-reduction potential [ORP]) during purging. Turbidity was monitored using LaMotte or Hach turbidimeters. Groundwater samples were collected when the following stabilization criteria were met for a minimum of three consecutive readings:

- pH within ±0.1 standard units (S.U.)
- specific conductance within ±5%
- DO within ±10% or ±0.2 milligrams per liter (mg/L) (whichever is greater) for DO where DO>0.5 mg/L; if DO<0.5 mg/L, the DO stabilization criterion does not apply
- Turbidity less than 5 nephelometric turbidity units (NTU)

Upon achieving stabilization, unfiltered samples were collected directly in appropriately preserved laboratory-supplied sample containers, placed in ice-packed coolers, and submitted to the laboratory following standard chain-of-custody protocol.

Field data and sampling notes for each monitoring well are recorded on field information forms generated by the Aqua TROLL® 400. These forms include a description of the sampling equipment, sampling method, test notes, field observations, and purge logs (purge rate, stabilization parameters, and depth to water measurements) at each monitoring location. Deviations from the sample plan and stabilization criteria are noted on the field information forms. Field data sheets and daily field instrument calibration forms are included in Appendix A.

3.4 Laboratory Analysis

The September 2025 groundwater samples from wells in the detection and assessment monitoring network were analyzed for Appendix III and Appendix IV monitoring parameters per 40 CFR § 257.93 and § 257.95(d)(2). Analytical methods used for monitoring parameters are listed in the analytical data reports in Appendix B.

Laboratory analyses were performed by Pace Analytical Services, LLC (Pace) in Asheville, North Carolina; West Columbia, South Carolina; Mt Juliet, Tennessee; and Greensburg, Pennsylvania. Pace is accredited by the National Environmental Laboratory Accreditation Program (NELAP) and maintains NELAP certification for the parameters analyzed for this project. Analytical data reports including chain-of-custody records for the monitoring events and laboratory NELAP certifications are presented in Appendix B.

Table 5 presents a tabulated summary of the September and October 2025 detection and assessment sample results. Results of surface water samples collected in September 2025 are presented in Table 6. Analytical methods used for monitoring parameters are listed in the analytical data reports in Appendix B.

3.5 Quality Assurance and Quality Control

Quality assurance/quality control (QA/QC) samples were collected at a minimum rate of one sample per every 10 samples during the semi-annual sampling event. QA/QC samples included equipment blanks (where non-dedicated sampling equipment was used), field blanks, and duplicate samples. QA/QC sample data were evaluated during data validation as described below, and are included in Appendix B.

Groundwater quality data in this report were independently validated in accordance with *Data Validation Standard Operating Procedures* (US EPA 2016), *National Functional Guidelines for Inorganic Superfund Method Data Review* (US EPA 2020b), *US Department of Energy, Evaluation of Radiochemical Data Usability* (Paar 1997) and the analytical methods. Data validation generally consisted of reviewing sample integrity, holding times, laboratory method blanks, laboratory control samples, matrix spikes/matrix spike duplicate recoveries, relative percent differences (RPDs), laboratory and field duplicate RPDs, field and equipment blanks, and reporting limits. Where appropriate, validation qualifiers and flags are applied to the data per US EPA procedures and guidance. The data validation summary report is provided in Appendix B, along with laboratory reports. The validated data summarized in Tables 5 and 6 meet project objectives.

A value followed by a "J" flag in tables and laboratory reports indicate that the value is an estimated analyte concentration detected between the method detection limit (MDL) and the laboratory reporting limit (RL). The estimated value is positively identified but is below the lowest level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions.

Total radium concentration (Radium 226+228) is a combination of isotopes 226 and 228. When radium data are reported below the Minimum Detectable Concentration (MDC), the values are followed by a "U" flag in tables.

4.0 STATISTICAL ANALYSIS

Statistical analysis of Appendix III and Appendix IV groundwater monitoring data was performed pursuant to §257.93-95 following the established statistical method for AP-1 (Groundwater Stats Consulting 2019) and the Site's *Groundwater Monitoring Plan* (GWMP) (WSP, 2025b). The statistical analysis reports prepared by Groundwater Stats Consulting, LLC. are presented in Appendix E.

4.1 Statistical Method

The selected statistical method for AP-1 was developed in accordance with 40 CFR § 257.93(f), using methodology presented in *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance*, March 2009, (US EPA 2009). Sanitas groundwater statistical software was used to perform statistical analyses. Sanitas is a decision-support software package that incorporates the statistical tests required of

Subtitle C and D facilities by US EPA regulations and guidance as recommended in the US EPA Unified Guidance document (US EPA 2009).

4.1.1 Appendix III Detection Monitoring Statistical Methods

Groundwater monitoring data for Appendix III parameters were statistically analyzed for comparison against background concentrations and to identify trends. Upgradient well data were pooled to establish background statistical limits. Data from the September 2025 assessment monitoring event were analyzed using interwell prediction limits applying an optional 1-of-2 verification resample plan and compared to the background statistical limits to evaluate whether concentrations exceed background levels. The Sen's Slope/Mann Kendall trend test was performed to evaluate whether concentrations in individual wells are statistically increasing, decreasing, or stabilizing over time. The results of the background comparisons and trend analyses are presented in Appendix E.

4.1.2 Appendix IV Assessment Monitoring Statistical Methods

Statistical analysis for assessment monitoring is performed by comparing confidence intervals against groundwater protection standards (GWPS). Parametric tolerance limits are used to calculate site-specific background limits from 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 upon the number of background samples. The background limits were then used when determining the GWPS under 40 CFR § 257.95(h) and GA EPD Rule 391-3-4-.10(6)(a). As described in 40 CFR § 257.95(h)(1-3) adopted by reference in the State rule, the GWPS is:

- The maximum contaminant level (MCL) established under 40 CFR §§ 141.62 and 141.66.
- Where an MCL has not been established, Federal and State CCR rules specified levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), or molybdenum (0.100 mg/L).
- The respective background level for a constituent when the background level is higher than the MCL or Rule-identified GWPS.

Following the rule requirements, background concentrations were evaluated to establish site-specific GWPS for statistical comparison of Appendix IV constituents. Table 7 summarizes the background limit established at each monitoring well and the applicable GWPS established under the State and Federal rules.

Confidence intervals were calculated for each of the Appendix IV parameters in each downgradient well for comparison to the GWPS. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard, and thus an SSL exceedance identified.

A summary table of the statistical results accompanies the prediction limits for Appendix III and confidence intervals for Appendix IV in Appendix E. The background period for statistical analyses included historical data through the current event. Tolerance limits for confidence interval calculations have been updated to include current data.

4.2 Statistical Analysis Results

Analytical data from September 2025 at AP-1 have been statistically analyzed in accordance with the Site's GWMP (WSP, 2025b) and are summarized in this section. The statistical results are included in Appendix E.

4.2.1 Appendix III Statistical Results

The statistical analysis of the Appendix III parameters identified SSIs of boron, calcium, chloride, pH, sulfate, and total dissolved solids (TDS) for the September 2025 assessment monitoring event. A detailed list of the noted exceedances is presented in Appendix E.

4.2.2 Appendix IV Statistical Results

The statistical analysis of the Appendix IV analytes identified SSLs of the following parameters for the September 2025 monitoring event using the GWPS established according to both 40 CFR § 257.95(h) and 391-3-4-.10(6)(a):

AP-1 Confidence Interval Statistically Significant Level Exceedances, September 2025	
Appendix IV Constituent	**AP-1 Detection Monitoring Well**
Arsenic	DGWC-69
Cobalt	DGWC-40[1]
Molybdenum	DGWC-68A[2]

Note:

[1] The SSL of cobalt at DGWC-40 is attributable to AP-2 and 3/4. As such, delineation and corrective action are discussed as part of the *2025 Semi-Annual Groundwater Monitoring and Corrective Action Report for Ash Pond AP-2 and 3/4*.

[2] An ASD for Molybdenum at DGWC-68A was approved by GA EPD on March 3, 2023 (Golder 2022).

Potential trends in SSL concentrations were further evaluated by Groundwater Stats Consulting (GSC) using the Sen's Slope/Mann Kendall test (Appendix E). Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the Site which is an indication of natural variability in groundwater. The following statistically significant trends were identified for the noted well/constituent pairs, based on available data, following the September 2025 monitoring event:

- Increasing trends: Arsenic at DGWC-69
  Cobalt at DGWA-71 (upgradient)
- Decreasing trends: Cobalt at DGWA-53 (upgradient)
  Molybdenum at DGWA-53 (upgradient) and DGWC-68A

5.0 ASSESSMENT MONITORING AND DELINEATION STATUS

Through a network of assessment monitoring wells and stream sampling stations, the horizontal delineation of arsenic is complete, and these locations are continuing to be monitored and reported, as summarized below. The vertical delineation of arsenic is complete through the deeper assessment monitoring wells.

The SSL of cobalt can be attributed to a larger cobalt plume associated with AP-2 and 3/4. As such, delineation and corrective action for cobalt is addressed in the *2025 Semi-Annual Groundwater Monitoring and Corrective Action Report , Ash Pond AP-2 and 3/4.* (WSP, 2026).

Constituent of Concern	Detection Monitoring Well with SSL	Vertical Delineation Well	Horizontal Delineation Well/ Surface Water Monitoring Location	Status of Delineation
Arsenic	DGWC-69	B-112D	UT02	Delineation complete with data less than GWPS
Cobalt	DGWC-40[1]	B-105D	B-62, CR-0.1, CR+0.2	Delineation complete with data less than GWPS

Note:

[1] The SSL of cobalt at DGWC-40 is attributable to AP-2 and 3/4. Recent reported concentrations of cobalt at assessment wells B-100 and B-136D are below the GWPS. As such, delineation and corrective action are discussed as part of the *2025 Semi-Annual Groundwater Monitoring and Corrective Action Report for Ash Pond AP-2 and 3/4*.

Based on data collected to date, there are no impacts to surface water by constituents with SSLs at AP-1. The horizontal and vertical extent of the SSLs at AP-1 are currently delineated by data with concentrations less than GWPS.

6.0 ASSESSMENT OF CORRECTIVE MEASURES

Following the requirements of 40 CFR § 257.96, Plant McDonough documented an Assessment of Corrective Measures (ACM) on December 4, 2020 for arsenic, cobalt, and molybdenum (Golder 2020).

In accordance with 40 CFR § 257.97(a), a *Draft Remedy Selection Report* was submitted to GA EPD on August 31, 2023. The *Draft Remedy Selection Report* (WSP 2023c) includes the following:

- The current groundwater conceptual site model applicable to evaluating groundwater corrective measures proposed in the ACM Report (Golder 2020).
- An assessment of corrective action investigations completed.
- An evaluation of each corrective measure retained for further consideration following the completed investigations.
- A comparison of corrective measure options using the comparative criteria such as long- and short-term effectiveness and protectiveness, source control effectiveness and ease of implementation; and
- A summary of the proposed corrective measure, or measures for AP-1.

The *Draft Remedy Selection Report* is currently under review by GA EPD. Since submission of the *Draft Remedy Selection Report*, a treatability study and pre-design investigation have been completed to evaluate injectate materials and dosages. A *Pilot Study Workplan DGWC-69* (WSP, 2025c) was submitted to GA EPD on October 30, 2025, to evaluate injection delivery and the performance of injectate in situ to mitigate the concentrations of arsenic at DGWC-69 exceeding the GWPS. An air sparge well (AS-01) was installed in December 2025 as part of pilot study activities near well DGWC-69 to further assist with remedy selection at AP-1. Pilot study activities at DGWC-69 were initiated in February 2026.

7.0 MONITORING PROGRAM STATUS

Statistical evaluations of the groundwater monitoring data for AP-1 confirm (1) SSIs of Appendix III groundwater monitoring parameters above background and (2) SSLs of Appendix IV groundwater monitoring parameters above the established GWPS. AP-1 will continue to be monitored in accordance with the assessment monitoring

program pursuant to 40 CFR § 257.95. An assessment of corrective measures was initiated following the provisions of 40 CFR § 257.96. Pursuant to 40 CFR 257.95(g)(1)(iv), the additional delineation wells may continue to be sampled as part of the ongoing semi-annual assessment monitoring program.

8.0 CONCLUSIONS AND FUTURE ACTIONS

This *2025 Semi-Annual Groundwater Monitoring and Corrective Action Report, Georgia Power Plant McDonough-Atkinson - Ash Pond 1* was prepared to fulfill the requirements of US EPA CCR Rule 40 CFR 257 Subpart D and GA EPD Rule 391-3-4-.10.

The groundwater flow directions interpreted during the most recent sampling events are consistent with historical evaluations, and based on our review, the monitoring well network continues to effectively monitor the uppermost aquifer in the vicinity of AP-1.

The analytical results and statistical analyses developed for the Site indicate confirmed SSIs of Appendix III above background and SSLs of Appendix IV above the established GWPS. In accordance with 40 CFR § 257.96, Georgia Power has initiated an ACM study for the identified SSLs. Data collected to date have delineated the horizonal and vertical extent of arsenic for AP-1. The SSL of cobalt can be attributed to a larger cobalt plume associated with AP-2 and 3/4. As such, delineation and corrective action for cobalt is addressed in the *2025 Semi-Annual Groundwater Monitoring and Corrective Action Report , Ash Pond AP-2 and 3/4.* (WSP, 2026). An ASD for the occurrence of molybdenum in groundwater was approved by GA EPD on March 3, 2023. Results from rock analyses completed near DGWC-68A indicate naturally occurring molybdenum is present in the rock in the form of molybdenite.

Based on the findings presented herein, Plant McDonough will continue with assessment groundwater monitoring and reporting. A *Draft Remedy Selection Report*, which summarizes the evaluation and proposed selection of corrective measures, was submitted to GA EPD on August 31, 2023 and is pending GA EPD review. A high-resolution site characterization has been conducted. Concurrence with the pilot study workplan was provided by GA EPD in December 2025. Air sparging activities described in the workplan to address arsenic at DGWC-69 were commenced in February 2026 to be followed by injection activities in March 2026. The next semi-annual groundwater sampling event is scheduled for February 2026.

9.0 REFERENCES

Daniel, C.C., P.R Dahlen, 2002. Preliminary Hydrogeologic Assessment and Study Plan for a Regional Ground-Water Resource Investigation of the Blue Ridge and Piedmont Provinces of North Carolina, U.S. Geological Survey Water-Resource Investigation Report 02-4105.Dowd, J.F. and Marshall, J.E., Recharge to High Yield Wells in the Piedmont. Proceeding of the 1995 Georgia Water Resources Conference held April 11-12, 1995, at The University of Georgia, Athens. 1995.

Dowd, J.F. and Marshall, J.E., 1995. Recharge to High Yield Wells in the Piedmont. Proceeding of the 1995 Georgia Water Resources Conference held April 11-12, 1995, at The University of Georgia, Athens.

Freeze, R.A. and Cherry, J.A., 1979. *Groundwater*, Prentice-Hall, Inc. Englewood Cliffs, New Jersey. 624pp.

Golder, 2020, *Assessment of Corrective Measures*, Georgia Power Company, Plant McDonough-Atkinson Ash Pond 1, December 4, 2020

Golder, 2022. *Alternate Source Demonstration for Molybdenum*, Plant McDonough-Atkinson Ash Pond 1, Golder Associates USA Inc., July 29, 2022.

Groundwater Stats Consulting, 2019, *Georgia Power Company's Plant McDonough Ash Pond 1 (AP-1) Statistical Analysis Plan*, April 2019.

Heath, R.C., 1982, *Basic Ground-Water Hydrology*. Water Supply Paper 2220. U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado.

Heath, R.C., 1984. *Ground-Water Regions of the United States*, U.S. Geological Survey Water-Supply Paper 2242, 78 p.

Paar, 1997. *Evaluation of Radiochemical Data Usability*, Paar J.G. and Porterfield D.R., US Department of Energy, April 1997.

US EPA, 1989, U.S. Environmental Protection Agency, Office of Waste Management Division, Interim Final RCRA Facility Investigation (RFI) Guidance Volume II of IV. EPA 530/SW-89-031, May 1989.

US EPA, 1996, *Soil Guidance Manual*.

US EPA, 2009, U.S. Environmental Protection Agency, Office of Resource Conservation and Recovery – Program Implementation and Information Division, *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance*. EPA 530/R-09-007, March 2009.

US EPA, 2016, U.S. Environmental Protection Agency Region 4, Science and Ecosystem Support Division, *Data Validation Standard Operating Procedures*, (QAS-SOP-0025), February 16, 2016.

US EPA, 2020a, U.S. Environmental Protection Agency Region 4, Laboratory Services and Applied Science Division, Operating Procedure: *Field Equipment Cleaning and Decontamination,* (LSASDPROC-205-R4), June 22, 2020.

US EPA, 2020b. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation, *National Functional Guidelines for Inorganic Superfund Method Data Review,* EPA 542-R-20-006, November 2020.

US EPA, 2023a. U.S. Environmental Protection Agency Region 4, Laboratory Services and Applied Science Division, Operating Procedure: *Surface Water Sampling*, (LSASDPROC-201-R6), April 22, 2023.

US EPA, 2023b. U.S. \Environmental Protection Agency Region 4, Laboratory Services and Applied Science Division, Operating Procedure: *Groundwater Sampling* (LSASDPROC-301-R6), April 22, 2023.

WSP, 2023c, *Draft Remedy Selection Report*, Georgia Power Company – Plant McDonough-Atkinson Ash Pond 1, WSP USA Inc., August 31, 2023.

WSP, 2025a. *Hydrogeologic Assessment Report*, Georgia Power Company – Plant McDonough-Atkinson CCR Surface Impoundment (CCR Unit AP-1), WSP USA Inc., June 2025.

WSP, 2025b, *Groundwater Monitoring Plan*, Georgia Power Company – Plant McDonough-Atkinson CCR Surface Impoundment (CCR Unit AP-1), WSP USA Inc., June 2025.

WSP, 2025c, *Pilot Study Workplan (DGWC-69)*, Georgia Power Company – Plant McDonough-Atkinson Ash Pond 1 (AP-1), WSP USA Inc., October 30, 2025.

WSP, 2025d, *Pilot Study Workplan*, Plant McDonough-Atkinson Ash Pond 2 and Ash Pond 3/4 (AP-2 and 3/4), WSP USA Inc., February 6, 2025.

WSP, 2026. *2025 Semi-Annual Groundwater Monitoring and Corrective Action Report, Plant McDonough-Atkinson Ash Pond 2 and 3/4, WSP USA Inc., February 27, 2026.*

TABLES

Table 1
Summary of Monitoring Well, Assessment Well and Piezometer Construction Data
Georgia Power Company
Plant McDonough - Ash Pond 1
Cobb County, GA

Well ID	Well Designation	Location	Screened Lithology	Northing NAD 83 (1)	Easting NAD 83 (1)	Top of Casing Elevation (feet NAVD 88)	Ground Surface Elevation (feet NAVD 88)	Total Well Depth (feet bgs)	Top of Screen Elevation (feet NAVD 88)	Bottom of Screen Elevation (feet NAVD 88)	Installation Date	Hydraulic Conductivity Geometric Mean (cm/sec) (6)
ASH POND 1 (AP-1) DETECTION MONITORING WELL NETWORK												
DGWA-53	Detection	Upgradient	Upper Bedrock	1393472.8	2201668.8	844.26	841.37	28.9	823.8	813.8	09/24/2016	6.1E-06
DGWA-70A	Detection	Upgradient	Saprolite/PWR	1390481.4	2200591.6	808.52	805.67	59.3	756.8	746.8	05/10/2017	2.0E-04
DGWA-71	Detection	Upgradient	Saprolite/PWR	1393963.3	2201714.8	863.84	861.22	43.8	827.8	817.8	02/28/2017	3.9E-04
DGWC-37	Detection	Downgradient	Saprolite/PWR	1390482.2	2200919.8	766.21	763.64	39.7	734.3	724.3	11/28/2012	--
DGWC-38	Detection	Downgradient	Residual Soils	1390362.7	2201148.6	757.43	754.67	25.0	740.0	730.0	11/29/2012	--
DGWC-39	Detection	Downgradient	Residual Soils/Saprolite	1390303.6	2201540.1	759.89	756.93	21.2	746.1	736.1	11/06/2012	--
DGWC-40	Detection	Downgradient	Saprolite	1390625.7	2201825.9	779.06	776.12	34.9	751.6	741.6	11/05/2012	3.1E-03
DGWC-41	Detection	Downgradient	Saprolite	1390920.8	2201751.9	795.20	792.40	60.0	743.0	733.0	11/14/2012	6.2E-04
DGWC-67	Detection	Downgradient	Saprolite/PWR	1390953.8	2200830.7	766.70	766.80	56.3	720.5	710.5	03/14/2017	2.5E-04
DGWC-68A	Detection	Downgradient	Saprolite	1391301.2	2200734.9	765.33	765.06	29.8	745.7	735.7	04/20/2017	4.3E-04
DGWC-69	Detection	Downgradient	Saprolite/PWR	1391585.0	2200657.1	763.75	763.99	24.3	749.7	739.7	03/16/2017	1.4E-04
DGWC-121	Detection	Downgradient	PWR/Upper Bedrock	1390739.7	2200849.4	764.16	764.52	50.0	724.8	714.8	03/22/2022	4.7E-05
DGWC-134	Detection	Downgradient	Residual Soils	1390732.5	2200850.4	764.64	764.68	25.4	749.7	739.7	09/05/2025	--
DGWC-135	Detection	Downgradient	Residual Soils	1390933.9	2201751.0	795.15	792.66	39.0	764.1	754.1	09/03/2025	--
ASH POND 1 (AP-1) ASSESSMENT MONITORING WELL NETWORK												
B-62	Assessment	Downgradient	Upper Bedrock	1389828.1	2201811.2	760.08	760.40	39.9	730.7	720.7	10/04/2016	5.5E-04
B-100	Assessment	Downgradient	Saprolite	1390254.8	2202242.1	777.95	775.32	44.8	740.5	730.5	07/08/2020	1.5E-03
B-105D	Assessment	Downgradient	Upper Bedrock	1390634.5	2201831.9	779.01	776.03	70.0	716.0	706.0	10/19/2020	1.2E-04
B-112D	Assessment	Downgradient	Upper Bedrock	1391564.2	2200664.1	765.58	765.98	55.0	721.3	711.3	03/22/2021	1.2E-03
B-136D	Assessment	Downgradient	Bedrock	1390269.0	2202256.1	778.09	775.57	75.1	710.9	700.9	09/04/2025	--

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ASH POND 2 and ASH PONDS 3/4 (AP-2 and AP-3/4) DETECTION MONITORING WELL NETWORK												
DGWA-53	Detection	Upgradient	Upper Bedrock	1393472.8	2201668.8	844.26	841.37	28.9	823.8	813.8	09/24/2016	6.1E-06
DGWA-70A	Detection	Upgradient	Saprolite/PWR	1390481.4	2200591.6	808.52	805.67	59.3	756.8	746.8	05/10/2017	2.0E-04
DGWA-71	Detection	Upgradient	Saprolite/PWR	1393963.3	2201714.8	863.84	861.22	43.8	827.8	817.8	02/28/2017	3.9E-04
DGWC-2	Detection	Downgradient	PWR/Upper Bedrock	1393958.0	2202119.5	850.88	848.17	49.0	809.5	799.5	10/02/2012	--
DGWC-4	Detection	Downgradient	Saprolite	1394171.5	2202662.4	814.85	812.06	45.0	777.4	767.4	10/03/2012	--
DGWC-5	Detection	Downgradient	Saprolite/PWR/Upper Bedrock	1394306.3	2202965.1	791.75	788.64	30.0	768.9	758.9	10/04/2012	1.1E-03
DGWC-8	Detection	Downgradient	Saprolite/PWR	1394322.2	2203882.1	826.38	824.02	49.1	785.3	775.3	10/10/2012	--
DGWC-9A	Detection	Downgradient	PWR/Upper Bedrock	1394080.2	2204167.1	823.98	821.35	44.9	787.7	776.8	11/20/2024	--
DGWC-10	Detection	Downgradient	Saprolite	1393818.3	2204201.1	823.55	820.82	45.4	785.8	775.8	10/11/2012	7.2E-04
DGWC-11	Detection	Downgradient	Saprolite/PWR	1393547.1	2204166.2	800.57	797.99	49.1	759.2	749.2	10/15/2012	--
DGWC-12	Detection	Downgradient	Residual Soils/Saprolite	1393149.4	2204128.3	773.86	771.10	25.1	756.4	746.4	10/15/2012	--
DGWC-13	Detection	Downgradient	Saprolite/PWR	1392881.1	2204084.6	794.10	791.20	43.8	757.8	747.8	11/29/2012	7.3E-04
DGWC-14	Detection	Downgradient	PWR/Upper Bedrock	1392574.2	2204013.3	792.40	789.69	34.3	765.8	755.8	12/18/2012	1.3E-03
DGWC-15	Detection	Downgradient	PWR	1392544.1	2203679.0	824.50	821.43	67.1	764.7	754.7	11/29/2012	1.2E-04
DGWC-16	Detection	Downgradient	Saprolite	1392595.1	2203315.4	826.47	823.54	43.7	790.1	780.1	12/19/2012	--
DGWC-17	Detection	Downgradient	Saprolite	1392645.6	2203051.0	837.05	834.14	44.5	799.9	789.9	01/09/2013	--
DGWC-18	Detection	Downgradient	Residual Soils/Saprolite	1392521.0	2202875.5	826.56	823.89	32.6	801.5	791.5	01/10/2013	--
DGWC-19	Detection	Downgradient	Saprolite	1392342.6	2202601.0	825.46	822.87	39.8	793.5	783.5	03/12/2013	7.9E-04
DGWC-20	Detection	Downgradient	Saprolite	1392164.5	2202315.6	822.14	819.66	39.7	790.6	780.6	03/05/2013	--
DGWC-21	Detection	Downgradient	PWR/Upper Bedrock	1392067.5	2202063.5	816.28	813.47	69.0	754.9	744.9	10/31/2012	6.3E-04
DGWC-22	Detection	Downgradient	Upper Bedrock	1392126.3	2201791.9	816.59	813.69	60.0	764.0	754.0	10/25/2012	1.2E-03
DGWC-23	Detection	Downgradient	Upper Bedrock	1392239.7	2201582.0	818.37	815.63	60.1	765.8	755.8	10/25/2012	5.4E-05
DGWC-42	Detection	Downgradient	Saprolite	1391327.8	2201870.2	804.68	801.98	50.4	762.1	752.1	11/12/2012	--
DGWC-47	Detection	Downgradient	PWR/Upper Bedrock	1391553.8	2202610.5	797.45	794.35	28.8	776.0	766.0	06/23/2016	6.4E-05
DGWC-48	Detection	Downgradient	Saprolite/PWR/Upper Bedrock	1391314.6	2202290.2	788.33	785.21	30.0	765.6	755.6	06/22/2016	8.6E-05
DGWC-126	Detection	Downgradient	Saprolite	1392143.7	2201651.2	815.15	812.65	46.3	776.7	766.7	01/07/2025	--
DGWC-127	Detection	Downgradient	Saprolite	1392478.7	2203439.4	815.58	816.19	53.5	772.9	763.0	01/09/2025	--
DGWC-128	Detection	Downgradient	Saprolite	1394261.2	2202857.8	799.30	796.51	35.3	771.4	761.5	11/23/2024	--

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ASH POND 2 and ASH PONDS 3/4 (AP-2 and AP-3/4) ASSESSMENT MONITORING WELL NETWORK												
B-56	Assessment	Downgradient	Saprolite	1393957.9	2204187.8	823.59	820.95	45.0	786.4	776.4	10/03/2016	2.2E-04
B-62	Assessment	Downgradient	Upper Bedrock	1389828.1	2201811.2	760.08	760.40	39.9	730.7	720.7	10/04/2016	5.5E-04
B-63	Assessment	Downgradient	Saprolite/PWR	1390999.1	2202978.1	777.10	777.37	46.0	741.9	731.9	10/06/2016	2.0E-04
B-66	Assessment	Downgradient	Saprolite	1393858.2	2204277.5	815.90	813.33	55.3	768.3	758.3	11/16/2016	3.2E-05
B-77	Assessment	Downgradient	Residual Soils	1390948.7	2202942.0	776.86	777.12	42.0	745.1	735.1	09/17/2019	5.3E-05
B-82	Assessment	Downgradient	Saprolite	1393750.0	2204258.1	810.07	807.55	45.0	773.1	763.1	09/21/2019	8.0E-05
B-83	Assessment	Downgradient	Residual Soils/Saprolite	1390735.5	2202695.6	776.98	777.17	48.6	738.6	728.6	09/30/2019	1.4E-03
B-88	Assessment	Downgradient	Saprolite/PWR	1394401.1	2203738.3	820.07	816.80	72.0	754.8	744.8	11/15/2019	1.1E-03
B-92	Assessment	Downgradient	Residual Soils/Saprolite	1394392.7	2203026.7	785.08	785.30	25.0	770.7	760.7	12/11/2019	9.2E-04
B-93	Assessment	Downgradient	Residual Soils/Saprolite	1394348.7	2202946.7	789.07	789.19	29.2	770.3	760.3	12/12/2019	1.8E-04
B-97	Assessment	Downgradient	Upper Bedrock	1394430.0	2203008.3	786.29	786.50	31.7	765.2	755.2	02/11/2020	--
B-98	Assessment	Downgradient	Saprolite/Upper Bedrock	1394392.5	2202934.0	789.67	789.81	19.4	780.8	770.8	02/10/2020	--
B-100	Assessment	Downgradient	Saprolite	1390254.8	2202242.1	777.95	775.32	44.8	740.5	730.5	07/08/2020	1.5E-03
B-101D	Assessment	Downgradient	PWR/Upper Bedrock	1394063.6	2204168.2	824.29	821.24	75.0	756.3	746.3	11/12/2020	2.1E-05
B-102D	Assessment	Downgradient	Upper Bedrock	1393828.4	2204200.4	823.42	820.64	85.0	746.2	736.2	11/10/2020	1.0E-04
B-104D	Assessment	Downgradient	Upper Bedrock	1391318.3	2202298.5	787.90	785.31	60.0	735.3	725.3	10/10/2020	2.8E-05
B-106D	Assessment	Downgradient	Upper Bedrock	1394327.1	2203869.2	826.21	823.39	80.0	754.0	744.0	11/13/2020	1.4E-04
B-107D	Assessment	Downgradient	Upper Bedrock	1392334.5	2202596.4	823.38	820.44	85.8	745.3	735.3	10/28/2020	3.2E-04
B-108D	Assessment	Downgradient	Upper Bedrock	1392156.1	2202312.5	821.13	818.33	80.0	749.3	739.3	10/27/2020	1.2E-04
B-111D	Assessment	Downgradient	Upper Bedrock	1394303.6	2202956.4	791.84	788.99	85.0	714.8	704.8	11/03/2020	1.5E-04
B-120D	Assessment	Downgradient	Upper Bedrock	1394047.2	2202436.4	836.42	834.03	69.3	775.0	765.0	03/06/2021	8.2E-03
B-122D	Assessment	Downgradient	Lower Bedrock	1390992.8	2202975.4	777.03	777.32	79.8	707.5	697.5	03/24/2022	4.3E-05
B-125D	Assessment	Downgradient	Lower Bedrock	1394111.6	2202580.7	821.70	819.15	145.4	684.1	674.1	03/31/2023	6.6E-07
B-129S	Assessment	Downgradient	Upper Bedrock	1391725.4	2203139.9	791.56	791.78	34.4	767.6	757.7	01/17/2025	--
B-136D	Assessment	Downgradient	Bedrock	1390269.0	2202256.1	778.09	775.57	75.1	710.9	700.9	09/04/2025	--

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PIEZOMETERS												
B-3	Piezometer	Downgradient	Saprolite/Upper Bedrock	1394045.1	2202411.5	837.78	834.86	37.0	808.2	798.2	10/03/2012	--
B-6	Piezometer	Downgradient	Saprolite/PWR	1394419.5	2203266.5	789.47	786.45	35.4	761.5	751.5	10/09/2012	--
B-7	Piezometer	Downgradient	Residual Soils	1394374.6	2203596.1	809.16	806.04	25.2	791.2	781.2	10/09/2012	--
B-24	Piezometer	Downgradient	Upper Bedrock	1392479.9	2201450.0	822.11	819.19	79.1	750.9	740.9	10/24/2012	--
B-25	Piezometer	Downgradient	Upper Bedrock	1392813.3	2201502.7	836.54	833.41	54.8	789.0	779.0	10/24/2012	3.7E-04
B-26	Piezometer	Upgradient	Upper Bedrock	1393105.6	2201550.4	853.60	850.61	49.3	811.7	801.7	10/23/2012	7.1E-06
B-28	Piezometer	Downgradient	PWR/Upper Bedrock	1391967.4	2201679.2	816.08	813.28	69.4	754.3	744.3	10/31/2012	--
B-29	Piezometer	Downgradient	Saprolite/PWR	1391890.0	2201422.0	816.43	813.47	54.4	769.4	759.4	01/11/2013	--
B-50	Piezometer	Downgradient	Saprolite	1391657.1	2201841.0	809.67	809.20	35.2	784.4	774.4	06/24/2016	8.5E-04
B-51	Piezometer	Downgradient	Saprolite/PWR	1390501.2	2200906.5	765.92	763.29	65.0	708.3	698.3	06/27/2016	6.7E-04
B-52	Piezometer	Downgradient	PWR	1392308.3	2201314.8	822.89	820.18	50.0	781.3	771.3	09/28/2016	1.2E-04
B-54	Piezometer	Downgradient	Saprolite/PWR/Upper Bedrock	1394423.5	2203140.7	785.46	782.54	34.2	758.7	748.7	09/26/2016	--
B-55	Piezometer	Downgradient	Saprolite	1394142.6	2204147.9	825.12	822.86	52.0	781.9	771.9	09/22/2016	--
B-57	Piezometer	Downgradient	Upper Bedrock	1391396.3	2202736.9	789.04	786.03	50.5	746.0	736.0	09/24/2016	1.1E-04
B-58	Piezometer	Downgradient	Saprolite	1391125.7	2202426.5	788.17	785.20	45.0	750.7	740.7	09/23/2016	--
B-59	Piezometer	Downgradient	Saprolite/PWR/Upper Bedrock	1394349.1	2203001.1	788.00	785.41	30.3	765.2	755.2	09/23/2016	--
B-60	Piezometer	Downgradient	Saprolite/PWR	1391100.7	2202881.6	782.13	779.25	49.8	740.0	730.0	09/29/2016	1.2E-03
B-61	Piezometer	Downgradient	Saprolite/PWR	1390957.8	2202505.8	782.09	778.95	51.9	737.5	727.5	09/29/2016	--
B-64	Piezometer	Downgradient	Saprolite	1394381.9	2203031.3	785.83	785.98	30.4	766.0	756.0	11/02/2016	--
B-65	Piezometer	Downgradient	Saprolite/PWR/Upper Bedrock	1394381.2	2204050.8	821.95	822.30	45.4	787.9	777.9	11/15/2016	--
B-68	Piezometer	Downgradient	Saprolite/PWR	1391298.2	2200714.2	758.68	759.05	18.0	751.1	741.1	03/16/2017	--
B-72	Piezometer	Downgradient	Saprolite	1391241.4	2200725.9	758.46	758.45	21.9	747.0	737.0	04/19/2017	--
B-73	Piezometer	Downgradient	Saprolite	1391351.8	2200699.4	759.21	759.16	15.8	753.8	743.8	04/19/2017	--
B-76	Piezometer	Downgradient	Saprolite	1390717.4	2202756.9	760.53	760.87	38.5	732.4	722.4	09/18/2019	3.4E-04
B-78	Piezometer	Downgradient	Saprolite/Upper Bedrock	1394328.2	2202958.2	790.75	787.79	30.0	767.8	758.3	09/22/2019	8.3E-04
B-79	Piezometer	Downgradient	Saprolite/PWR	1394458.6	2203223.0	788.66	785.84	34.9	760.9	750.9	09/21/2019	2.8E-04
B-80	Piezometer	Downgradient	Saprolite/PWR	1394372.6	2203533.9	804.47	801.73	30.0	781.9	771.9	09/20/2019	1.8E-04
B-81	Piezometer	Downgradient	Saprolite/PWR	1394364.9	2203741.1	820.56	817.64	50.0	778.4	768.4	09/22/2019	5.1E-05
B-85	Piezometer	Downgradient	Saprolite/PWR/Upper Bedrock	1394433.4	2203134.5	782.54	782.71	34.5	758.5	748.5	11/18/2019	2.5E-04
B-86	Piezometer	Downgradient	Saprolite/Upper Bedrock	1394480.0	2203206.6	784.29	784.52	34.1	760.4	750.4	11/18/2019	4.4E-04
B-87	Piezometer	Downgradient	Saprolite/PWR	1394401.9	2203531.3	803.37	800.32	42.0	768.6	758.6	11/17/2019	8.7E-05
B-89	Piezometer	Downgradient	Upper Bedrock	1394398.4	2204049.4	822.36	822.53	49.5	783.0	773.0	11/19/2019	7.1E-04
B-90	Piezometer	Downgradient	Residual Soils/Saprolite	1394501.0	2203212.6	784.00	784.16	33.4	760.8	750.8	12/10/2019	1.9E-04
B-91	Piezometer	Downgradient	Residual Soils/Saprolite	1394447.1	2203123.9	782.98	783.10	35.0	758.5	748.5	12/11/2019	4.9E-04
B-94	Piezometer	Downgradient	Saprolite/PWR	1394402.0	2203513.7	801.74	799.12	45.2	764.5	754.5	01/23/2020	--
B-95	Piezometer	Downgradient	Saprolite	1394518.6	2203167.7	784.00	784.18	33.3	761.2	751.2	02/11/2020	--
B-96	Piezometer	Downgradient	Saprolite/PWR	1394478.7	2203099.3	784.92	785.19	33.1	762.1	752.1	02/10/2020	--
B-99	Piezometer	Downgradient	Fill	1394524.2	2203084.5	782.39	782.57	12.3	775.3	770.3	07/07/2020	--
B-103D	Piezometer	Downgradient	Lower Bedrock	1391543.5	2202614.4	795.96	793.77	70.0	733.8	723.8	10/15/2020	1.9E-06
B-109D	Piezometer	Downgradient	Upper Bedrock	1393957.5	2202127.0	850.73	847.78	100.0	758.4	748.4	10/31/2020	2.1E-05

Table 1
Summary of Monitoring Well, Assessment Well and Piezometer Construction Data
Georgia Power Company
Plant McDonough - Ash Pond 1
Cobb County, GA

Well ID	Well Designation	Location	Screened Lithology	Northing NAD 83 (1)	Easting NAD 83 (1)	Top of Casing Elevation (feet NAVD 88)	Ground Surface Elevation (feet NAVD 88)	Total Well Depth (feet bgs)	Top of Screen Elevation (feet NAVD 88)	Bottom of Screen Elevation (feet NAVD 88)	Installation Date	Hydraulic Conductivity Geometric Mean (cm/sec) (6)
PIEZOMETERS												
B-110D	Piezometer	Downgradient	Upper Bedrock	1391294.4	2200736.0	764.61	764.55	65.0	711.6	701.6	11/17/2020	7.8E-06
B-113D	Piezometer	Downgradient	Lower Bedrock	1391264.6	2200719.2	758.22	758.87	84.7	684.5	674.5	03/30/2021	1.6E-04
B-115D	Piezometer	Downgradient	Lower Bedrock	1391265.3	2202580.7	789.17	786.43	79.5	717.2	707.2	03/20/2021	5.4E-05
B-116D	Piezometer	Upgradient	Upper Bedrock	1390483.7	2200611.0	807.82	805.31	89.5	726.1	716.1	03/08/2021	2.9E-04
B-117D	Piezometer	Upgradient	Upper Bedrock	1393963.8	2201727.3	863.82	861.23	75.0	796.5	786.5	03/17/2021	6.4E-05
B-118	Piezometer	Upgradient	Upper Bedrock	1391219.3	2200449.7	807.70	804.99	75.2	740.1	730.1	03/09/2021	8.0E-04
B-119D	Piezometer	Upgradient	Lower Bedrock	1391236.4	2200446.6	807.15	804.53	105.0	709.8	699.8	03/16/2021	2.7E-05
B-123D	Piezometer	Downgradient	Lower Bedrock	1391234.4	2202608.4	781.80	778.85	160.0	668.9	618.9	04/04/2022	4.3E-06
B-130S	Piezometer	Downgradient	Upper Bedrock	1391843.9	2203271.9	791.72	792.01	27.7	774.6	764.7	01/17/2025	--
B-131S	Piezometer	Downgradient	Upper Bedrock	1391655.0	2203047.4	792.52	792.80	31.0	772.2	762.2	01/28/2025	--
B-132S	Piezometer	Downgradient	Upper Bedrock	1392096.5	2203571.2	792.48	792.70	31.1	771.9	762.0	01/27/2025	--
B-133S	Piezometer	Downgradient	Saprolite	1391799.5	2202460.3	811.67	808.71	45.5	773.2	763.2	05/09/2025	--

Notes:

(1) Coordinate System: NAD 1983 State Plane Georgia West (U.S. feet)

(2) bgs - Below Ground Surface; NAD 83 - North American Datum of 1983; NAVD 88 - North American Vertical Datum of 1988; PWR - Partially Weathered Rock

(3) The 2020 and later Certified Well Surveys have been incorporated into this construction summary.

(4) Ground surface elevations shown are the elevation of the survey nail. Well DGWC-126 ground surface elevation is at the base of the pad.

(5) Well B-98 screened lithology based on adjacent boring B-97.

(6) The geometric mean of hydraulic conductivity data available for each well is presented in centimeters/second (cm/sec). For individual test data refer to Table GW-3 of the Hydrogeologic Assessment Report (WSP 2025).

(7) -- Indicates test was not conducted in well or data was not available.

(8) New monitoring wells DGWC-134 and DGWC-135 were installed in September 2025.

(9) B-136D was installed as an assessment well in September 2025.

(10) B-129S to B-133S were re-surveyed June 16, 2025 after converting the piezometers from stickup protective covers to flush mount protective covers.

Table 2
Groundwater Event Summary
Georgia Power Company
Plant McDonough - Ash Pond 1
Cobb County, GA

Well ID	Hydraulic Location	Compliance Purpose	September 09 2025 - September 17 2025	October 21 2025 - October 22 2025
			Assessment Event	Background Event
ASH POND 1 (AP-1) DETECTION MONITORING WELL NETWORK				
DGWA-53	Upgradient	Detection	X	--
DGWA-70A	Upgradient	Detection	X	--
DGWA-71	Upgradient	Detection	X	--
DGWC-37	Downgradient	Detection	X	--
DGWC-38	Downgradient	Detection	X	--
DGWC-39	Downgradient	Detection	X	--
DGWC-40	Downgradient	Detection	X	--
DGWC-41	Downgradient	Detection	--	X
DGWC-67	Downgradient	Detection	X	--
DGWC-68A	Downgradient	Detection	X	--
DGWC-69	Downgradient	Detection	X	--
DGWC-121	Downgradient	Detection	X	--
DGWC-134	Downgradient	Detection	--	X
DGWC-135	Downgradient	Detection	--	X
ASH POND 1 (AP-1) ASSESSMENT MONITORING WELL NETWORK				
B-62	Downgradient	Assessment	X	--
B-100	Downgradient	Assessment	X	--
B-105D	Downgradient	Assessment	X	--
B-112D	Downgradient	Assessment	X	--
B-136D	Downgradient	Assessment	--	X

Notes:

X - Indicates well sampled during event

- - indicates not available

New monitoring wells DGWC-134 and DGWC-135 were installed in September 2025.

B-136D was installed as an assessment well in September 2025.

Table 3
Summary of Groundwater Elevations - September 2025
Georgia Power Company
Plant McDonough - Ash Pond 1
Cobb County, GA

Well ID	Top of Casing Elevation (feet NAVD 88)	September 2025	
		Depth to Water (feet, BTOC)	Groundwater Elevation (feet NAVD 88)
ASH POND 1 (AP-1) DETECTION MONITORING WELL NETWORK			
DGWA-53	844.26	17.95	826.31
DGWA-70A	808.52	40.52	768.00
DGWA-71	863.84	33.70	830.14
DGWC-37	766.21	13.70	752.51
DGWC-38	757.43	6.39	751.04
DGWC-39	759.89	8.00	751.89
DGWC-40	779.06	18.73	760.33
DGWC-41	795.20	25.35	769.85
DGWC-67	766.70	10.76	755.94
DGWC-68A	765.33	10.46	754.87
DGWC-69	763.75	6.89	756.86
DGWC-121	764.16	9.58	754.58
DGWC-134	764.64	NA	NA
DGWC-135	795.15	25.40	769.75
ASH POND 1 (AP-1) ASSESSMENT MONITORING WELL NETWORK			
B-62	760.08	16.96	743.12
B-100	777.95	35.11	742.84
B-105D	779.01	18.48	760.53
B-112D	765.58	8.71	756.87
B-136D	778.09	35.94	742.15
ASH POND 2 and ASH PONDS 3/4 (AP-2 and AP-3/4) DETECTION MONITORING WELL NETWORK			
DGWA-53	844.26	17.95	826.31
DGWA-70A	808.52	40.52	768.00
DGWA-71	863.84	33.70	830.14
DGWC-2	850.88	32.55	818.33
DGWC-4	814.85	25.72	789.13
DGWC-5	791.75	11.35	780.40
DGWC-8	826.38	41.90	784.48
DGWC-9A	823.98	24.85	799.13
DGWC-10	823.55	28.85	794.70
DGWC-11	800.57	13.94	786.63
DGWC-12	773.86	10.58	763.28
DGWC-13	794.10	33.73	760.37
DGWC-14	792.40	19.81	772.59
DGWC-15	824.50	40.93	783.57
DGWC-16	826.47	38.02	788.45
DGWC-17	837.05	38.19	798.86
DGWC-18	826.56	24.81	801.75
DGWC-19	825.46	26.74	798.72
DGWC-20	822.14	24.35	797.79
DGWC-21	816.28	19.80	796.48
DGWC-22	816.59	23.35	793.24
DGWC-23	818.37	23.82	794.55
DGWC-42	804.68	29.68	775.00
DGWC-47	797.45	19.58	777.87
DGWC-48	788.33	15.10	773.23
DGWC-126	815.15	22.42	792.73
DGWC-127	815.58	29.05	786.53
DGWC-128	799.30	16.32	782.98

Table 3
Summary of Groundwater Elevations - September 2025
Georgia Power Company
Plant McDonough - Ash Pond 1
Cobb County, GA

Well ID	Top of Casing Elevation (feet NAVD 88)	September 2025 Depth to Water (feet, BTOC)	September 2025 Groundwater Elevation (feet NAVD 88)
ASH POND 2 and ASH PONDS 3/4 (AP-2 and AP-3/4) ASSESSMENT MONITORING WELL NETWORK			
B-56	823.59	28.65	794.94
B-62	760.08	16.96	743.12
B-63	777.10	29.92	747.18
B-66	815.90	18.85	797.05
B-77	776.86	30.39	746.47
B-82	810.07	13.52	796.55
B-83	776.98	31.76	745.22
B-88	820.07	39.44	780.63
B-92	785.08	6.03	779.05
B-93	789.07	8.82	780.25
B-97	786.29	6.40	779.89
B-98	789.67	9.91	779.76
B-100	777.95	35.11	742.84
B-101D	824.29	29.85	794.44
B-102D	823.42	33.15	790.27
B-104D	787.90	7.52	780.38
B-106D	826.21	42.62	783.59
B-107D	823.38	24.85	798.53
B-108D	821.13	24.15	796.98
B-111D	791.84	12.40	779.44
B-120D	836.42	36.80	799.62
B-122D	777.03	31.75	745.28
B-125D	821.70	27.45	794.25
B-129S	791.56	14.20	777.36
B-136D	778.09	35.94	742.15
PIEZOMETERS			
B-3	837.78	38.20	799.58
B-6	789.47	9.10	780.37
B-7	809.16	27.70	781.46
B-24	822.11	24.15	797.96
B-25	836.54	18.50	818.04
B-26	853.60	27.55	826.05
B-28	816.08	30.96	785.12
B-29	816.43	29.78	786.65
B-50	809.67	22.29	787.38
B-51	765.92	12.90	753.02
B-52	822.89	31.71	791.18
B-54	785.46	6.61	778.85
B-55	825.12	25.57	799.55
B-57	789.04	18.30	770.74
B-58	788.17	18.90	769.27
B-59	788.00	8.70	779.30
B-60	782.13	31.51	750.62
B-61	782.09	18.67	763.42
B-64	785.83	6.90	778.93
B-65	821.95	23.40	798.55
B-68	758.68	4.10	754.58
B-72	758.46	3.62	754.84

Table 3
Summary of Groundwater Elevations - September 2025
Georgia Power Company
Plant McDonough - Ash Pond 1
Cobb County, GA

		September 2025	
Well ID	**Top of Casing Elevation (feet NAVD 88)**	**Depth to Water (feet, BTOC)**	**Groundwater Elevation (feet NAVD 88)**
PIEZOMETERS			
B-73	759.21	4.80	754.41
B-76	760.53	16.25	744.28
B-78	790.75	11.45	779.30
B-79	788.66	8.26	780.40
B-80	804.47	22.42	782.05
B-81	820.56	38.90	781.66
B-85	782.54	3.62	778.92
B-86	784.29	3.16	781.13
B-87	803.37	20.91	782.46
B-89	822.36	28.92	793.44
B-90	784.00	2.94	781.06
B-91	782.98	4.19	778.79
B-94	801.74	19.46	782.28
B-95	784.00	2.92	781.08
B-96	784.92	6.14	778.78
B-99	782.39	4.32	778.07
B-103D	795.96	13.11	782.85
B-109D	850.73	41.40	809.33
B-110D	764.61	9.05	755.56
B-113D	758.22	1.84	756.38
B-115D	789.17	20.40	768.77
B-116D	807.82	43.15	764.67
B-117D	863.82	34.40	829.42
B-118	807.70	50.71	756.99
B-119D	807.15	49.21	757.94
B-123D	781.80	11.70	770.10
B-130S	791.72	12.82	778.90
B-131S	792.52	13.76	778.76
B-132S	792.58	20.75	771.83
B-133S	811.67	24.68	786.99

Notes:
1. Elevation data recorded in feet referenced to the North American Vertical Datum 1988 (NAVD 88)
2. Survey data for monitoring wells and piezometers provided by Metro Engineering.
3. BTOC indicates below top of casing.
4. New monitoring wells DGWC-134 and DGWC-135 were installed in September 2025.
5. B-136D was installed as an assessment well in September 2025.
6. NA - Data not available or well not installed.

Table 4
Groundwater Flow Velocity Calculations - September 2025
Georgia Power Company
Plant McDonough - Ash Pond 1
Cobb County, GA

Gauging Event	Well Pair	Groundwater Elevations in Well Pairs (ft)		Change in Elevation (Δ h) (ft)	Distance Between Well 1 and Well 2 (Δ l) (ft)	Hydraulic Gradient (Δ h / Δ l) (ft/ft)	Estimated Hydraulic Conductivity for Uppermost Aquifer (K) (ft/day)[5]	Estimated Effective Porosity (ne)	Calculated Groundwater Flow Velocity (ft/day)	Calculated Groundwater Flow Velocity (ft/year)
September 2025	B-28 to DGWC-37	785.12	752.51	32.61	1668	0.02	0.69	0.2	0.07	25
September 2025	B-29 to DGWC-68A	786.65	754.87	31.78	905	0.04	0.69	0.2	0.12	44
September 2025	B-50 to DGWC-39	787.38	751.89	35.49	1387	0.03	0.69	0.2	0.09	32

Notes:
ft = feet, ft/ft = feet/foot, ne = effective porosity
1. Δ h = Change in groundwater elevation
2. Δ l =Distance between wells in direction of flow path
3. i = Δ h / Δ l Hydraulic Gradient
4. Velocity = (i * K)/ne
5. Hydraulic conductivity based on historic aquifer performance tests (updated October 2024)
6. Assumed effective porosities for overburden was based on the default values recommended by US EPA for a silty sand-type soil (1996).
Assumed effective porosity for bedrock was derived from Daniel and Dahlen (2002) and Dowd and Marshall (1995).

Table 5
Groundwater Analytical Data Summary - September and October 2025
Georgia Power Company
Plant McDonough - Ash Pond 1
Cobb County, GA

	Sample Location	DGWA-53	DGWA-70A	DGWA-71	DGWC-37	DGWC-38	DGWC-39	DGWC-40	DGWC-41	DGWC-67
	Sample Date	09/10/2025	09/10/2025	09/10/2025	09/16/2025	09/15/2025	09/16/2025	09/16/2025	10/21/2025	09/09/2025
ANALYTE	**UNITS**									
APPENDIX III										
Boron	mg/L	0.048	< 0.0062	0.0090 J	1.5	2.9	3.0	0.61	1.1	4.4
Calcium	mg/L	10.7	5.9	7.3	52.2	85.7	97.8	39.2	69.3	46.1
Chloride	mg/L	1.9	2.1	10.2	5.4	8.9	8.3	13.0	10.4	10.8
Fluoride	mg/L	0.085 J	0.051 J	0.055 J	0.061 J	0.10	0.081 J	0.10	< 0.050	0.067 J
pH, Field	SU	6.14	5.40	5.55	6.28	6.10	6.44	4.59	5.37	6.19
Sulfate	mg/L	12.5	< 0.50	9.2	77.9	211	148	152	271	109
TDS	mg/L	115	58.0	80.0	291	490	489	332	519	316
APPENDIX IV										
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Barium	mg/L	0.068	0.036	0.031	0.064	0.028	0.13	0.017	0.022	0.066
Beryllium	mg/L	< 0.00015	< 0.00015	0.00016 J	< 0.00015	< 0.00015	< 0.00015	0.0031	0.00016 J	< 0.00015
Cadmium	mg/L	< 0.00012	< 0.00012	< 0.00012	0.00016 J	0.00015 J	< 0.00012	0.00062	0.00033 J	0.00016 J
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	0.0055	< 0.0012	< 0.0012	< 0.0012	0.0017 J	0.0064	0.033	0.0025 J	< 0.0012
Lead	mg/L	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	0.0024
Lithium	mg/L	0.00847	0.000952 J	0.00141 J	0.00252	0.00277	< 0.000600	0.00284	0.00721	0.00453
Mercury	mg/L	< 0.000091	< 0.000091	0.00040	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091
Molybdenum	mg/L	0.011	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Combined Radium 226 + 228	pCi/L	1.85	1.26	0.465 U	0.202 U	0.212 U	0.359 U	0.754 U	0.293 U	0.962 U
Selenium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Thallium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00019 J	< 0.00015	< 0.00015
Additional Parameters										
Bicarbonate Alkalinity as CaCO3	mg/L	57.9	27.0	20.8	120	95.1	244	< 5.0	11.9	87.8
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	57.9	27.0	20.8	120	95.1	244	< 5.0	11.9	87.8
Iron	mg/L	2.7	0.015 J	0.021 J	0.14	0.17	13.6	0.020 J	0.15	0.057
Ferrous (II) Iron	mg/L	1.5	0	0	0	0	7	0	NA	0
Magnesium	mg/L	4.2	2.3	1.1	11.8	25.6	22.2	15.1	20.4	17.6
Potassium	mg/L	3.1	1.7	0.86	3.8	4.2	3.2	6.3	5.0	3.6
Sodium	mg/L	7.4	3.4	9.3	9.7	12.9	13.2	18.3	35.1	11.2

Notes:

1. mg/L - milligrams per liter
2. pCi/L - picocuries per liter
3. SU - Standard Units
4. TDS - Total Dissolved Solids
5. NA - Indicates not analyzed
6. < indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
7. J - The result is an estimated concentration. “J” qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
8. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.

Table 5
Groundwater Analytical Data Summary - September and October 2025
Georgia Power Company
Plant McDonough - Ash Pond 1
Cobb County, GA

	Sample Location	DGWC-68A	DGWC-69	DGWC-121	DGWC-134	DGWC-135	B-62	B-100	B-105D	B-112D	B-136D
	Sample Date	09/09/2025	09/16/2025	09/16/2025	10/21/2025	10/21/2025	09/15/2025	09/16/2025	09/17/2025	09/09/2025	10/22/2025
ANALYTE	**UNITS**										
APPENDIX III											
Boron	mg/L	1.8	1.5	2.1	2.1	0.96	0.061	0.034 J	0.85	0.26	0.0083 J
Calcium	mg/L	52.5	44.4	44.3	18.8	71.6	32.6	3.8	62.0	20.8	53.8
Chloride	mg/L	4.5	3.2	5.2	5.7	13.3	5.3	8.4	13.2	3.0	20.1
Fluoride	mg/L	0.099 J	0.23	< 0.050	0.098 J	0.079 J	0.14	< 0.050	0.058 J	0.30	0.66
pH, Field	SU	6.58	6.29	6.14	5.89	5.59	6.34	5.16	6.12	6.65	6.99
Sulfate	mg/L	33.4	53.9	93.9	88.1	280	41.7	302	225	14.4	292
TDS	mg/L	272	274	262	227	538	183	613	464	156	684
APPENDIX IV											
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L	< 0.0012	0.46	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0015 J	< 0.0012	< 0.0012	< 0.0012
Barium	mg/L	0.11	0.12	0.049	0.044	0.028	0.016	0.027	0.031	0.0030 J	0.045
Beryllium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00019 J	0.00017 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Cadmium	mg/L	0.00037 J	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.087
Cobalt	mg/L	< 0.0012	0.0042 J	0.0014 J	0.0044 J	0.041	< 0.0012	0.0020 J	0.0037 J	< 0.0012	0.0069
Lead	mg/L	0.0018	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	0.0021	0.00094 J
Lithium	mg/L	0.000956 J	0.00464	0.00558	0.00523	0.00728	0.00895	0.00275	0.0125	0.00420	0.0117
Mercury	mg/L	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091
Molybdenum	mg/L	0.19	0.029	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	0.025	0.0025 J
Combined Radium 226 + 228	pCi/L	0.625 U	3.35	1.65	0.367 U	1.38	2.37	0.745 U	3.09	0.622 U	1.74
Selenium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Thallium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Additional Parameters											
Bicarbonate Alkalinity as CaCO3	mg/L	206	134	90.0	90.8	17.1	84.0	32.5	33.2	110	134
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	206	134	90.0	90.8	17.1	84.0	32.5	33.2	110	134
Iron	mg/L	0.029 J	6.9	1.4	1.5	1.2	6.0	3.4	1.2	0.046	12.4
Ferrous (II) Iron	mg/L	0	3	1	NA	NA	4.5	7	2	0	NA
Magnesium	mg/L	15.4	8.9	12.4	21.0	23.3	4.9	1.0	21.4	7.1	22.8
Potassium	mg/L	3.6	5.8	3.5	3.8	6.3	2.1	5.2	7.2	2.7	3.6
Sodium	mg/L	10.1	11.4	10.2	12.3	30.6	10.2	15.0	18.0	12.9	10.8

Notes:

1. mg/L - milligrams per liter
2. pCi/L - picocuries per liter
3. SU - Standard Units
4. TDS - Total Dissolved Solids
5. NA - Indicates not analyzed
6. < indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
7. J - The result is an estimated concentration. “J” qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
8. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U.
   The MDC varies depending upon the sample amount and elapsed time of the measurement.

Table 6
Surface Water Analytical Data Summary - September 2025
Georgia Power Company
Plant McDonough - Ash Pond 1
Cobb County, GA

Sample Location		UT01_DS	UT01_US	UT02	UT03	CR+0.4	CR+0.2	CR-0.1
Sample Date		09/09/2025	09/09/2025	09/09/2025	09/09/2025	09/09/2025	09/09/2025	09/09/2025
ANALYTE	UNITS							
APPENDIX III								
Boron	mg/L	0.29	0.21	0.22	0.23	< 0.050	0.16	0.10
Calcium	mg/L	23.7	23.5	23.9	25.7	6.0	13.7	8.2
Chloride	mg/L	34.1	38.1	37.5	38.0	11.1	14.8	13.7
Fluoride	mg/L	0.36	0.40	0.39	0.38	0.21	0.26	0.24
pH, Field	SU	7.88	7.66	7.69	7.72	7.95	7.58	7.50
Sulfate	mg/L	19.2	16.0	16.7	16.8	9.3	20.3	15.1
TDS	mg/L	165	180	176	176	75.0	107	90.0
APPENDIX IV								
Arsenic	mg/L	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	NA	NA
Cobalt	mg/L	NA	NA	NA	NA	< 0.0050	< 0.0050	< 0.0050

Notes:
mg/L - milligrams per liter, SU - standard units
NA - Indicates substance not analyzed
TDS - Total Dissolved Solids
< indicates the substance was not detected above the reporting limit (RL). The value displayed is the RL.
Surface water samples were collected by Arcadis, on behalf of Georgia Power.

Table 7
Summary of Background Levels and GWPS
Georgia Power Company
Plant McDonough - Ash Pond 1
Cobb County, GA

Analyte	Units	US EPA MCL	Federal CCR Rules Specified GWPS	AP-1 Background September 2025[1]	AP-1 GWPS September 2025
Antimony	mg/L	0.006		0.0045[2]	0.006
Arsenic	mg/L	0.01		0.0054[2]	0.01
Barium	mg/L	2		0.19	2
Beryllium	mg/L	0.004		0.0004[2]	0.004
Cadmium	mg/L	0.005		0.0005[2]	0.005
Chromium	mg/L	0.1		0.005[2]	0.1
Cobalt	mg/L		0.006	0.016[2]	0.016
Combined Radium 226 + 228	pCi/L	5		4.41	5
Fluoride	mg/L	4		0.42	4
Lead	mg/L		0.015	0.001[2]	0.015
Lithium	mg/L		0.04	0.011	0.04
Mercury	mg/L	0.002		0.0004[2]	0.002
Molybdenum	mg/L		0.1	0.041[2]	0.1
Selenium	mg/L	0.05		0.005[2]	0.05
Thallium	mg/L	0.002		0.00053[2]	0.002

Notes:

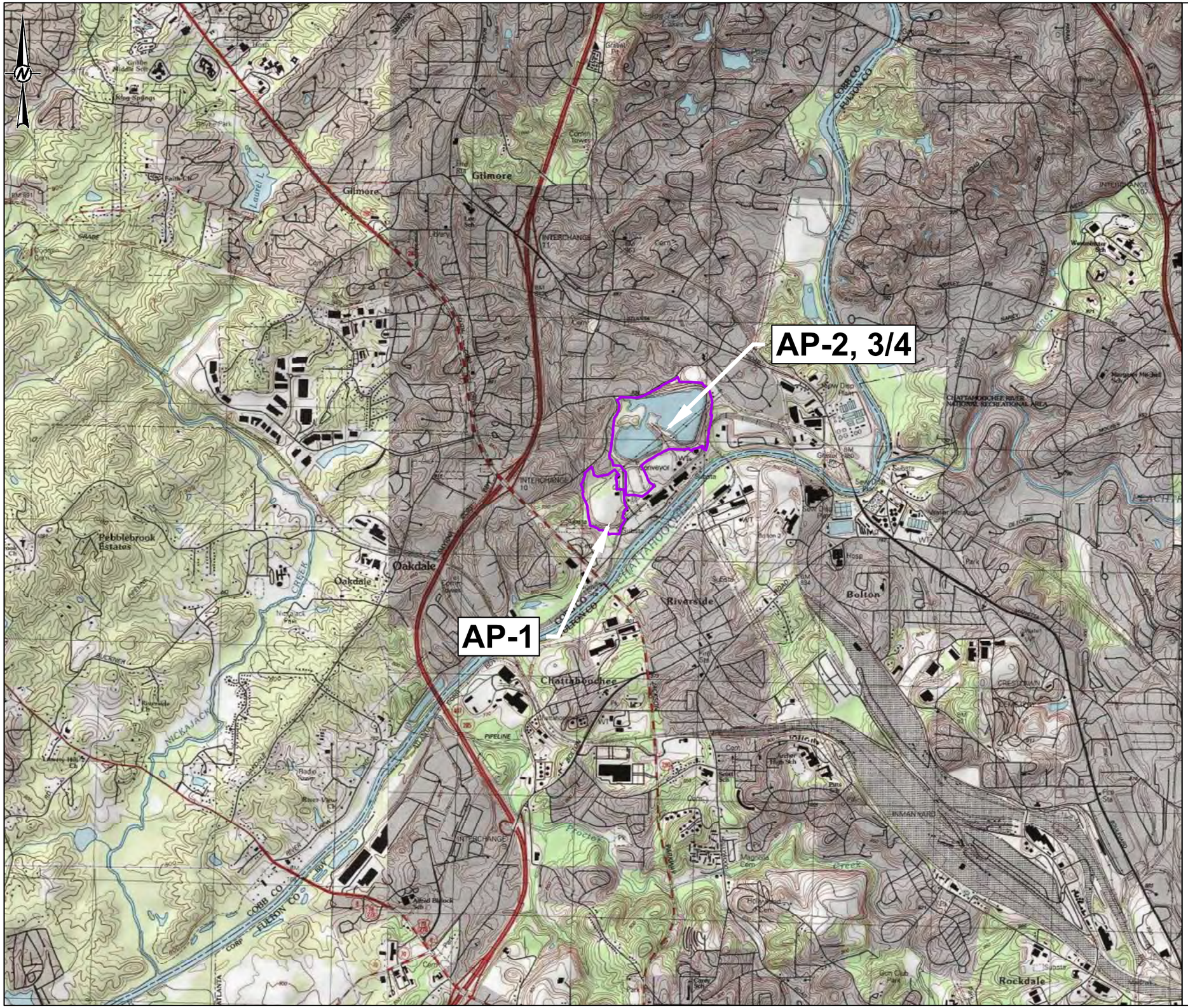
mg/L = milligrams per liter; pCi/L = picocuries per liter; NA = Not Available

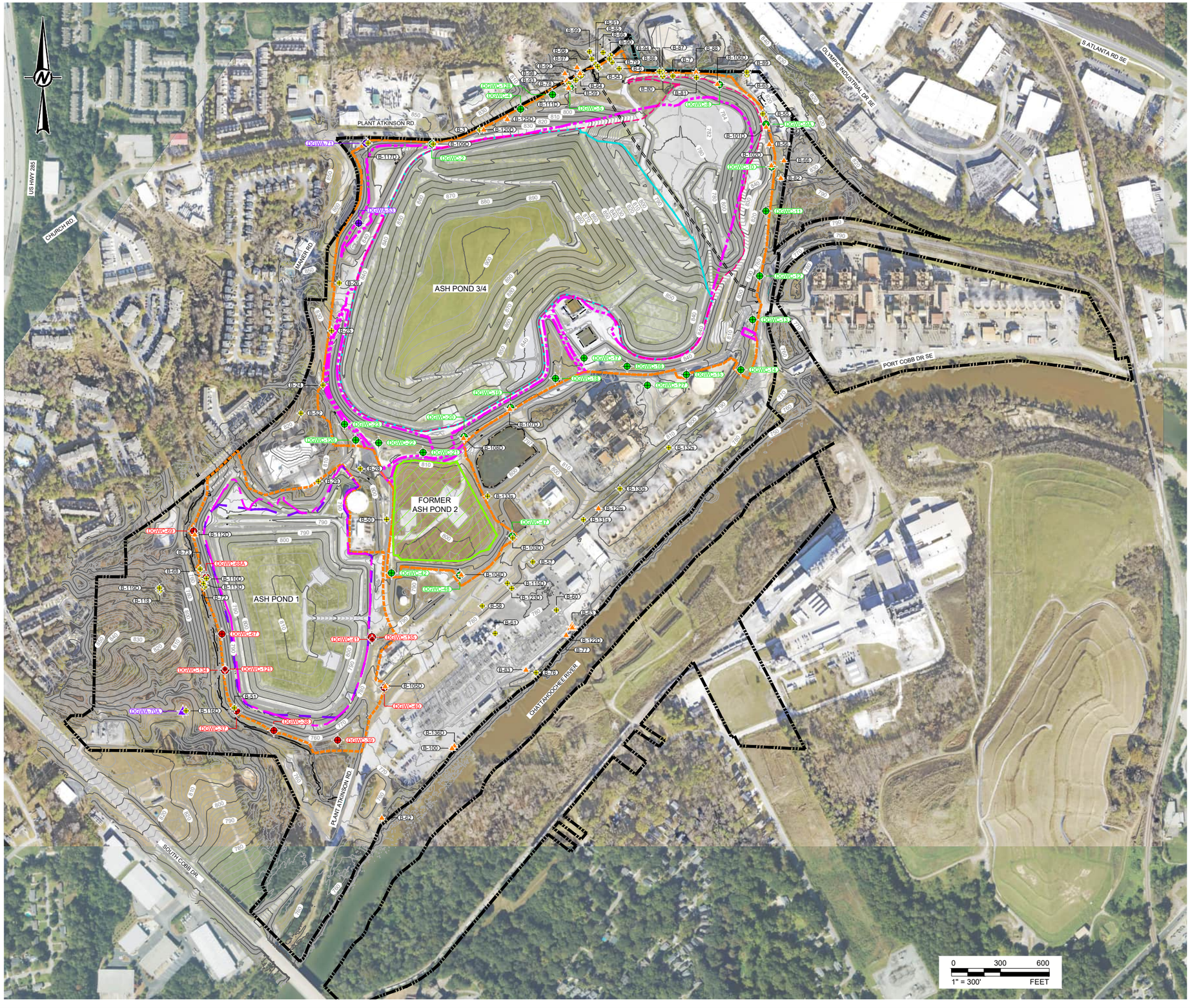
GWPS = Groundwater Protection Standard; US EPA MCL = United States Environmental Protection Agency Maximum Contaminant Level

[1] The background limits are used when determining the groundwater protection standard (GWPS) under 40 CFR § 257.95(h) and 391-3-4-.10(6)(a).

[2] The background tolerance limit (TL) used to evaluate GWPS for this analyte equals the laboratory specified reporting limit (RL). Per the Statistical Analysis Plan, and in accordance with the Unified Guidance, a non-parametric limit approach was used when the data set contains greater than 50% non-detect results for this analyte. Under this approach, the TL equals the highest value reported, for which is the laboratory RL.

FIGURES


AP-2, 3/4
AP-1
Gilmore
Oakdale
Riverside
Bolton
Clairmont
Pebblebrook Estates
Rockdale
CHATTAHOOCHEE RIVER NATIONAL RECREATIONAL AREA
COBB CO
FULTON CO
INTERCHANGE 11
INTERCHANGE 10
INTERCHANGE 9
INTERCHANGE 7
PIPELINE
Laurel L
Faith L
Laurel Park
Gilbe Middle Sch
King Springs
Corinth Sewer
Gravel Pit
Gilmore
Corinth
Hurt
Law Sch
Sewage Disp Plant
Gravel Pit
Gilmore Cem
Substa
Sewage Disp Plant
Oak Grove Park
Water Treatment Plant
Hose
Park
Cem
Oakdale
Oakdale Cem
Riverside
Riverside Cem
Bolton
Fire Sta
Water Tank
Water Tank
Water Tank



LEGEND

- EXISTING CONTOURS (SEE REFERENCE 2)
- PROPERTY BOUNDARY (SEE REFERENCE 1)
- APPROXIMATE PRE-CLOSURE CCR LIMITS
- FINAL CLOSURE CCR LIMITS
- PERMIT BOUNDARY
- FINAL COVER SYSTEM LIMITS
- POST CLOSURE CCR LIMITS
- DGWA-X — UPGRADIENT WELL
- DGWC-X — AP-1 MONITORING WELL
- DGWC-X — AP-2, 3/4 MONITORING WELL
- B-XX — ASSESSMENT WELLS
- B-XX — PIEZOMETER
- AREA WHERE ASH HAS BEEN CERTIFIED REMOVED AS OF 2/28/2024

NOTES

1. EXISTING TOPOGRAPHIC CONTOUR INTERVAL – 1 FOOT.
2. CLOSURE ACTIVITIES FOR AP-1 WERE INITIATED IN JANUARY 2016 AND FINAL COVER CONSTRUCTION ACTIVITIES WERE COMPLETED IN 2017. COMPLETION OF FINAL POST COVER CONSTRUCTION ACTIVITIES AND IMPROVEMENTS AT AP-1 ARE SUBSTANTIALLY COMPLETE. A PLANNED BARRIER WALL INSTALLATION IS CURRENTLY UNDER REVIEW WITH EPD.
3. CLOSURE ACTIVITIES FOR AP-2 WERE INITIATED IN JANUARY 2016. AP-2 CLOSURE ACTIVITIES CONSISTED OF CLOSURE BY REMOVAL OF CCR, WHERE CCR REMOVED FROM AP-2 WAS PLACED IN THE ADJACENT UNITS AP-1 AND AP-3. CLOSURE CONSTRUCTION ACTIVITIES AT AP-2 WERE COMPLETED IN 2017. BACKFILLING OF THE AP-2 FOOTPRINT WAS COMPLETE IN Q4 2023.
4. CLOSURE ACTIVITIES FOR AP-3 AND AP-4 WERE INITIATED IN JANUARY 2016. AP-3 AND AP-4 ARE CURRENTLY UNDERGOING CLOSURE AS A COMBINED UNIT AP-3/4.

REFERENCES

1. APPROXIMATE PROPERTY BOUNDARY PROVIDED BY SOUTHERN COMPANY SERVICES (2017).
2. THE EXISTING TOPOGRAPHY, AND CONTOUR ELEVATIONS FOR ASH PONDS 1 THROUGH 4 AND ADJACENT AREAS ARE BASED ON LIDAR DATA AND SUPPLEMENTAL GROUND RUN TOPOGRAPHY BY METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 11/30/2025. EXISTING TOPOGRAPHIC CONTOUR INTERVAL = 2 FEET. AERIAL IMAGERY FOR AP-1, AP-2, AND AP-3/4, PROVIDED BY METRO ENGINEERING AND SURVEYING CO, INC, IMAGE DATED 11/30/2025; ADJACENT AREAS SOURCE BY Earthexplorer.USGS.GOV IMAGE DATED 10/7/2023.
3. SELECT BORING/PIEZOMETER LOCATIONS AND ELEVATIONS RESURVEYED BY METRO ENGINEERING & SURVEYING CO., INC., 2020-2025.
4. COORDINATES SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET); ELEVATIONS DISPLAY IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1988 (FEET NAVD88).

CLIENT
GEORGIA POWER COMPANY
PLANT MCDONOUGH - ATKINSON

Georgia Power

PROJECT
2025 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT - ASH POND 1

TITLE
PLANT MCDONOUGH CCR REMOVAL AREA

CONSULTANT
wsp

YYYY-MM-DD	2026-01-09
DESIGNED	YCS
PREPARED	CRP
CHECKED	RNQ
REVIEWED / APPROVED	DLP

PROJECT NO. 31406440.MCD23
REV.
FIGURE 2

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D
0 1 in



LEGEND

- AP-1 MONITORING WELL
- AP-2,3/4 MONITORING WELL
- UPGRADIENT WELL
- ASSESSMENT MONITORING WELL
- PIEZOMETER
- VIBRATING WIRE PIEZOMETER
- SURFACE WATER MONITORING LOCATION
- DEWATERING WELL
- INJECTION WELL
- STAFF GAGE
- SURFACE WATER STREAM
- PERMIT BOUNDARY
- PROPERTY BOUNDARY

NOTES

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.

2. NEW MONITORING WELLS DGWC-9A, DGWC-126, DGWC-127, DGWC-128 WERE INSTALLED IN NOVEMBER 2024 AND JANUARY 2025. WELL B-129S AND PIEZOMETERS B-130S TO B-133S WERE INSTALLED IN JANUARY AND JUNE 2025. WELLS DGWC-134, DGWC-135, AND B-136D WERE INSTALLED IN SEPTEMBER 2025.

3. PIEZOMETERS B-16 AND B-18 WERE CONVERTED TO MONITORING WELLS DGWC-16 AND DGWC-18 IN JANUARY 2025. PIEZOMETER B-41 WAS CONVERTED TO MONITORING WELL DGWC-41 IN JUNE 2025.

REFERENCE

1. AERIAL IMAGERY DATE FOR AP-1, AP-2, AND AP-3/4 PROVIDED BY GEORGIA POWER, DATED NOVEMBER 2025; AND SURROUNDING AREAS SOURCED BY PLEXEARTH, DATED SEPTEMBER 28, 2023.

2. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET).

3. MONITORING WELL/PIEZOMETER LOCATIONS AND ELEVATIONS SURVEYED BY METRO ENGINEERING AND SURVEYING COMPANY IN AUGUST 2020 WITH ADDITIONAL SURVEY PROVIDED IN JANUARY 2021, APRIL 2021, MAY 2022, MAY 2023, AND JANUARY-SEPTEMBER 2025.

0 600 1,200

1 IN= 600 FT

CLIENT
GEORGIA POWER COMPANY
PLANT MCDONOUGH-ATKINSON

Georgia Power

PROJECT
2025 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT-ASH POND 1

TITLE
MONITORING WELL, PIEZOMETER AND SURFACE WATER LOCATION MAP

CONSULTANT
wsp

YYYY-MM-DD	2026-02-10
PREPARED	YCS
DESIGN	DLP
CHECKED	DLP
REVIEWED/APPROVED	RNQ

PROJECT No. 31406440.MCD23

Rev. 0

FIGURE 3

THIS MAP IS ORIGINALLY PRINTED AT A SCALE OF 1 IN = 600 FT WHEN THE SHEET HAS BEEN APPROPRIATELY RESIZED FROM ANSI D



LEGEND

- AP-1 MONITORING WELL
- AP-2,3/4 MONITORING WELL
- UPGRADIENT WELL
- ASSESSMENT MONITORING WELL
- PIEZOMETER
- VIBRATING WIRE PIEZOMETER
- DEWATERING WELL
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- GROUNDWATER SURFACE CONTOUR (FT-NAVD88)
- SURFACE WATER STREAM
- PERMIT BOUNDARY
- PROPERTY BOUNDARY
- EXISTING TOPOGRAPHY 10-FOOT CONTOUR
- EXISTING TOPOGRAPHY 2-FOOT CONTOUR

NOTES

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.

2. GROUNDWATER ELEVATION MEAUSREMENTS OBTAINED SEPTEMBER 8, 2025 BY WSP.

3. GROUNDWATER ELEVATIONS DISPLAYED IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM (FT-NAVD88).

4. WELLS AND PIEZOMETERS THAT CONTAIN A "D" DESIGNATION FOLLOWING THE NUMBER ARE DEEP WELLS AND THEIR GROUNDWATER ELEVATIONS ARE NOT USED FOR CONTOURING.

5. NEW MONITORING WELLS DGWC-9A, DGWC-126, DGWC-127, DGWC-128 WERE INSTALLED IN NOVEMBER 2024 AND JANUARY 2025.

6. PIEZOMETERS B-16 AND B-18 WERE CONVERTED TO MONITORING WELLS DGWC-16 AND DGWC-18 IN JANUARY 2025. PIEZOMETER B-41 WAS CONVERTED TO A MONITORING WELL DGWC-41 IN JUNE 2025.

7. WELL B-129S AND PIEZOMETERS B-130S TO B-132S WERE INSTALLED IN JANUARY 2025. PIEZOMETER B-133S WAS INSTALLED IN MAY 2025.

8. WELLS DGWC-134, DGWC-135, B-136D WERE INSTALLED IN SEPTEMBER 2025.

9. NM - NOT MEASURED

REFERENCE

1. AERIAL IMAGERY DATE FOR AP-1, AP-2, AND AP-3/4 PROVIDED BY GEORGIA POWER, DATED NOVEMBER 2025; AND SURROUNDING AREAS SOURCED BY PLEXEARTH, DATED SEPTEMBER 28, 2023.

2. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET).

3. MONITORING WELL/PIEZOMETER LOCATIONS AND ELEVATIONS SURVEYED BY METRO ENGINEERING AND SURVEYING COMPANY IN AUGUST 2020 WITH ADDITIONAL SURVEY PROVIDED IN JANUARY 2021, APRIL 2021, MAY 2021, MAY 2022, MAY 2023, AND JANUARY-SEPTEMBER 2025.

0 600 1,200

1 IN= 600 FT

CLIENT
GEORGIA POWER COMPANY
PLANT MCDONOUGH-ATKINSON

PROJECT
2025 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT-ASH POND 1

TITLE
SITE POTENTIOMETRIC MAP – SEPTEMBER 8, 2025

CONSULTANT
wsp

YYYY-MM-DD	2026-02-10
PREPARED	YCS
DESIGN	SEB
CHECKED	DLP
REVIEWED/APPROVED	RNQ

PROJECT No. 31406440.MCD23

Rev. 0

FIGURE 4

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANSI B



LEGEND

- AP-1 MONITORING WELL
- AP-2,3/4 MONITORING WELL
- UPGRADIENT WELL
- ASSESSMENT MONITORING WELL
- PIEZOMETER
- SURFACE WATER MONITORING LOCATION
- INJECTION WELL
- 0.01 ARSENIC GWPS ISOCONCENTRATION CONTOUR
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (SEPTEMBER 2025)
- PROPERTY BOUNDARY
- PERMIT BOUNDARY

NOTES

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE

2. GROUNDWATER CONCENTRATIONS IN MILLIGRAMS PER LITER (MG/L). GWPS = GROUNDWATER PROTECTION STANDARD.

3. DATA SHOWN REPRESENT THE SEPTEMBER 2025 SEMI-ANNUAL MONITORING EVENT RESULTS AS WELL AS APPLICABLE DELINEATION WELL DATA.

4. DEEP WELL ANALYTICAL RESULTS NOT USED FOR ISOCONCENTRATION CONTOURING.

5. POTENTIOMETRIC SURFACE DETERMINED USING SEPTEMBER 2025 WATER LEVELS.

Analyte	Units	GWPS
Arsenic	mg/L	0.01

REFERENCE

1. AERIAL IMAGERY DATE FOR AP-1, AP-2, AND AP-3/4 PROVIDED BY GEORGIA POWER, DATED NOVEMBER 2025; AND SURROUNDING AREAS SOURCED BY PLEXEARTH, DATED SEPTEMBER 28, 2023.

2. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET).

3. MONITORING WELL/PIEZOMETER LOCATIONS AND ELEVATIONS SURVEYED BY METRO ENGINEERING AND SURVEYING COMPANY IN AUGUST 2020 WITH ADDITIONAL SURVEY PROVIDED IN JANUARY 2021, MAY 2021, MAY 2022 AND 2023, AND JANUARY-SEPTEMBER 2025.

0 200 400

1 IN= 200 FT

CLIENT
GEORGIA POWER COMPANY
PLANT MCDONOUGH-ATKINSON

Georgia Power

PROJECT
2025 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT- ASH POND 1

TITLE
ARSENIC ISOCONCENTRATION CONTOUR MAP - SEPTEMBER 2025

CONSULTANT
wsp

YYYY-MM-DD	2026-02-11
PREPARED	YCS
DESIGN	BAS
CHECKED	DLP
REVIEWED/APPROVED	RNQ

PROJECT No. 31406440.MCD23

Rev. 0

FIGURE 5

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANSI B

0 1 in



LEGEND

- AP-1 MONITORING WELL
- AP-2,3/4 MONITORING WELL
- UPGRADIENT WELL
- ASSESSMENT MONITORING WELL
- PIEZOMETER
- SURFACE WATER MONITORING LOCATION
- INJECTION WELL
- 0.016 COBALT GWPS ISOCONCENTRATION CONTOUR
- COBALT GWPS ISOCONCENTRATION CONTOUR (INFERRED)
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (SEPTEMBER 2025)
- PROPERTY BOUNDARY
- PERMIT BOUNDARY

NOTES

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
2. GROUNDWATER CONCENTRATIONS IN MILLIGRAMS PER LITER (MG/L). GWPS = GROUNDWATER PROTECTION STANDARD. RSL = (FEDERAL REGIONAL SCREENING LEVEL)
3. DATA SHOWN REPRESENT THE SEPTEMBER 2025 SEMI-ANNUAL MONITORING EVENT RESULTS AS WELL AS APPLICABLE DELINEATION WELL DATA.
4. GWPS IS EQUAL TO SITE SPECIFIC BACKGROUND CONCENTRATION AS THERE IS NO MCL AND THE RSL IS BELOW SITE SPECIFIC BACKGROUND
5. DEEP WELL ANALYTICAL RESULTS NOT USED FOR ISOCONCENTRATION CONTOURING.
6. POTENTIOMETRIC SURFACE DETERMINED USING SEPTEMBER 2025 WATER LEVELS.

Analyte	Units	GWPS
Cobalt	mg/L	0.016

REFERENCE

1. AERIAL IMAGERY DATE FOR AP-1, AP-2, AND AP-3/4 PROVIDED BY GEORGIA POWER, DATED NOVEMBER 2025; AND SURROUNDING AREAS SOURCED BY PLEXEARTH, DATED SEPTEMBER 28, 2023.
2. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET).
3. MONITORING WELL/PIEZOMETER LOCATIONS AND ELEVATIONS SURVEYED BY METRO ENGINEERING AND SURVEYING COMPANY IN AUGUST 2020 WITH ADDITIONAL SURVEY PROVIDED IN JANUARY 2021, APRIL 2021, MAY 2021, MAY 2022, MAY 2023, AND JANUARY-SEPTEMBER 2025.

0 300 600

1 IN= 300 FT

CLIENT
GEORGIA POWER COMPANY
PLANT MCDONOUGH-ATKINSON

PROJECT
2025 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT- ASH POND 1

TITLE
COBALT ISOCONCENTRATION CONTOUR MAP - SEPTEMBER 2025

CONSULTANT

YYYY-MM-DD	2026-02-10
PREPARED	YCS
DESIGN	BAS
CHECKED	DLP
REVIEWED/APPROVED	RNQ

PROJECT No. 31406440.MCD23

Rev. 0

FIGURE 6

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANSI B

APPENDIX A

Field Data Forms and Instrument Calibration Records

APPENDIX A

Field Data Forms
September 2025

Low-Flow Test Report:

Test Date / Time: 9/10/2025 12:30:03 PM
Project: MCD-DGWA-53
Operator Name: Jake Stucky

Location Name:MCD-DGWA-53 **Latitude: 33.830293** **Longitude: -84.479246** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 26.89 ft** **Total Depth: 36.89 ft** **Initial Depth to Water: 18.15 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 31.89 ft** **Estimated Total Volume Pumped: 9750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 8.79 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177581**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
9/10/2025 12:30 PM	00:00	6.281 pH	27.89 °C	149.6 µS/cm	1.444 mg/L	85.00 NTU	114.5 mV	18.15 ft	150.0 ml/min
9/10/2025 12:35 PM	05:00	6.126 pH	22.71 °C	158.0 µS/cm	0.373 mg/L	35.80 NTU	142.5 mV	20.15 ft	150.0 ml/min
9/10/2025 12:40 PM	10:00	6.094 pH	22.49 °C	150.7 µS/cm	0.337 mg/L	30.00 NTU	181.1 mV	20.95 ft	150.0 ml/min
9/10/2025 12:45 PM	15:00	6.075 pH	22.22 °C	147.1 µS/cm	0.353 mg/L	21.60 NTU	221.0 mV	21.90 ft	150.0 ml/min
9/10/2025 12:50 PM	20:00	6.077 pH	21.99 °C	146.2 µS/cm	0.450 mg/L	17.50 NTU	283.1 mV	22.80 ft	150.0 ml/min
9/10/2025 12:55 PM	25:00	6.073 pH	22.17 °C	144.7 µS/cm	0.546 mg/L	14.20 NTU	235.9 mV	23.80 ft	150.0 ml/min
9/10/2025 1:00 PM	30:00	6.073 pH	22.35 °C	145.4 µS/cm	0.598 mg/L	11.90 NTU	174.1 mV	24.80 ft	150.0 ml/min
9/10/2025 1:05 PM	35:00	6.074 pH	22.31 °C	143.0 µS/cm	0.645 mg/L	10.70 NTU	220.8 mV	25.30 ft	150.0 ml/min
9/10/2025 1:10 PM	40:00	6.082 pH	22.62 °C	141.6 µS/cm	0.639 mg/L	9.200 NTU	174.1 mV	25.76 ft	150.0 ml/min
9/10/2025 1:15 PM	45:00	6.085 pH	22.67 °C	144.1 µS/cm	0.641 mg/L	7.780 NTU	181.4 mV	26.30 ft	150.0 ml/min
9/10/2025 1:20 PM	50:00	6.097 pH	22.79 °C	143.8 µS/cm	0.644 mg/L	6.690 NTU	201.5 mV	26.82 ft	150.0 ml/min
9/10/2025 1:25 PM	55:00	6.114 pH	24.42 °C	152.4 µS/cm	1.173 mg/L	4.970 NTU	175.5 mV	26.90 ft	150.0 ml/min
9/10/2025 1:30 PM	01:00:00	6.128 pH	25.17 °C	154.8 µS/cm	1.167 mg/L	5.440 NTU	159.8 mV	26.94 ft	150.0 ml/min
9/10/2025 1:35 PM	01:05:00	6.141 pH	25.53 °C	155.4 µS/cm	1.118 mg/L	4.560 NTU	136.6 mV	26.94 ft	150.0 ml/min

Samples

Sample ID:	Description:
MCD-DGWA-53	Sampled at 1337

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/10/2025 11:48:03 AM
Project: MCD-DGWA-70A
Operator Name: EEA

Location Name: MCD-DGWA-70A **Latitude: 33.82215749941191** **Longitude: -84.48275556795716** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.41 ft** **Total Depth: 62.41 ft** **Initial Depth to Water: 40.6 ft**	**Pump Type: Dedicated** **Tubing Type: Ldpe** **Pump Intake From TOC: 57.4 ft** **Estimated Total Volume Pumped: 3000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.4 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1146036**

Test Notes:

Weather Conditions:
Sunny 75

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10 %	+/- 40	+/- 0.3	
9/10/2025 11:48 AM	00:00	6.18 pH	22.24 °C	74.45 µS/cm	6.02 mg/L	1.73 NTU	330.7 mV	41.00 ft	200.00 ml/min
9/10/2025 11:53 AM	05:00	5.42 pH	21.11 °C	75.03 µS/cm	5.32 mg/L	2.47 NTU	675.3 mV	41.00 ft	200.00 ml/min
9/10/2025 11:58 AM	10:00	5.40 pH	21.09 °C	74.18 µS/cm	5.20 mg/L	1.11 NTU	710.0 mV	41.00 ft	200.00 ml/min
9/10/2025 12:03 PM	15:00	5.40 pH	20.94 °C	75.36 µS/cm	5.19 mg/L	0.88 NTU	733.8 mV	41.00 ft	200.00 ml/min

Samples

Sample ID:	Description:
MCD-DGWA-70A	Sampled at 1203

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/10/2025 1:15:06 PM
Project: MCD-DGWA-71
Operator Name: EEA

Location Name:MCD-DGWA-71 **Latitude: 33.83178076244316** **Longitude: -84.47908203125417** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 37.71 ft** **Total Depth: 47.71 ft** **Initial Depth to Water: 33.7 ft**	**Pump Type: Dedicated** **Tubing Type: Ldpe** **Pump Intake From TOC: 42.71 ft** **Estimated Total Volume Pumped: 4000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.6 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1146036**

Test Notes:

Weather Conditions:
Sunny 80

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10 %	+/- 40	+/- 0.3	
9/10/2025 1:15 PM	00:00	5.63 pH	21.29 °C	101.78 µS/cm	3.63 mg/L	3.06 NTU	381.3 mV	34.12 ft	200.00 ml/min
9/10/2025 1:20 PM	05:00	5.52 pH	19.04 °C	107.03 µS/cm	1.62 mg/L	0.87 NTU	679.9 mV	34.20 ft	200.00 ml/min
9/10/2025 1:25 PM	10:00	5.55 pH	18.85 °C	107.17 µS/cm	1.25 mg/L	0.76 NTU	703.2 mV	34.30 ft	200.00 ml/min
9/10/2025 1:30 PM	15:00	5.56 pH	18.76 °C	105.84 µS/cm	1.22 mg/L	0.45 NTU	714.8 mV	34.30 ft	200.00 ml/min
9/10/2025 1:35 PM	20:00	5.55 pH	18.72 °C	105.89 µS/cm	1.19 mg/L	0.38 NTU	720.5 mV	34.30 ft	200.00 ml/min

Samples

Sample ID:	Description:
MCD-DGWA-71	Sampled at 1335

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/16/2025 9:24:17 AM
Project: MCD-DGWC-37
Operator Name: EEA

Location Name: MCD-DGWC-37 **Latitude: 33.82210142447969** **Longitude: -84.48168503128409** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.08 ft** **Total Depth: 43.08 ft** **Initial Depth to Water: 13.75 ft**	**Pump Type: Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.08 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.22 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1146036**

Test Notes:

Weather Conditions:
Sunny 70

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10%	+/- 0.3	
9/16/2025 9:24 AM	00:00	6.93 pH	25.53 °C	482.40 µS/cm	3.63 mg/L	1.81 NTU	299.4 mV	13.87 ft	200.00 ml/min
9/16/2025 9:29 AM	05:00	6.30 pH	21.09 °C	477.88 µS/cm	0.98 mg/L	3.86 NTU	553.0 mV	13.87 ft	200.00 ml/min
9/16/2025 9:34 AM	10:00	6.26 pH	20.15 °C	483.05 µS/cm	0.44 mg/L	4.32 NTU	654.3 mV	13.95 ft	200.00 ml/min
9/16/2025 9:39 AM	15:00	6.28 pH	20.11 °C	471.83 µS/cm	0.57 mg/L	2.98 NTU	607.1 mV	13.97 ft	200.00 ml/min
9/16/2025 9:44 AM	20:00	6.27 pH	20.19 °C	461.08 µS/cm	0.66 mg/L	2.26 NTU	719.0 mV	13.97 ft	200.00 ml/min
9/16/2025 9:49 AM	25:00	6.28 pH	20.13 °C	450.27 µS/cm	0.87 mg/L	2.68 NTU	653.3 mV	13.97 ft	200.00 ml/min
9/16/2025 9:54 AM	30:00	6.28 pH	20.14 °C	444.29 µS/cm	0.97 mg/L	2.82 NTU	670.7 mV	13.97 ft	150.00 ml/min
9/16/2025 9:59 AM	35:00	6.28 pH	20.09 °C	435.60 µS/cm	1.08 mg/L	2.11 NTU	754.9 mV	13.97 ft	150.00 ml/min
9/16/2025 10:04 AM	40:00	6.28 pH	20.19 °C	429.07 µS/cm	1.16 mg/L	2.08 NTU	703.8 mV	13.97 ft	150.00 ml/min

Samples

Sample ID:	Description:

MCD-DGWC-37	Sampled at 1004

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/15/2025 2:43:30 PM
Project: MCD-DGWC-38
Operator Name: EEA

Location Name: MCD-DGWC-38 **Latitude: 33.821762250767854** **Longitude: -84.48090082042336** **Well Diameter: 2 in** **Casing Type: Pvc** **Screen Length: 10 ft** **Top of Screen: 18.08 ft** **Total Depth: 28.08 ft** **Initial Depth to Water: 6.35 ft**	**Pump Type: Dedicated** **Tubing Type: Ldpe** **Pump Intake From TOC: 23 ft** **Estimated Total Volume Pumped: 14000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.65 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1146036**

Test Notes:

Weather Conditions:
Sunny 80

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 5	+/- 10%	+/- 0.3	
9/15/2025 2:43 PM	00:00	6.01 pH	24.20 °C	605.24 µS/cm	1.22 mg/L	46.70 NTU	493.1 mV	6.75 ft	200.00 ml/min
9/15/2025 2:48 PM	05:00	5.97 pH	20.99 °C	641.38 µS/cm	0.66 mg/L	32.40 NTU	590.1 mV	6.90 ft	200.00 ml/min
9/15/2025 2:53 PM	10:00	5.95 pH	20.50 °C	639.84 µS/cm	0.17 mg/L	35.90 NTU	786.6 mV	6.95 ft	200.00 ml/min
9/15/2025 2:58 PM	15:00	5.95 pH	20.52 °C	641.70 µS/cm	0.12 mg/L	31.10 NTU	601.3 mV	7.00 ft	200.00 ml/min
9/15/2025 3:03 PM	20:00	5.96 pH	20.46 °C	639.22 µS/cm	0.10 mg/L	28.10 NTU	607.5 mV	7.00 ft	200.00 ml/min
9/15/2025 3:08 PM	25:00	5.97 pH	20.36 °C	640.19 µS/cm	0.10 mg/L	19.60 NTU	590.6 mV	7.00 ft	200.00 ml/min
9/15/2025 3:13 PM	30:00	5.99 pH	20.22 °C	638.37 µS/cm	0.10 mg/L	15.00 NTU	597.5 mV	7.00 ft	200.00 ml/min
9/15/2025 3:18 PM	35:00	6.01 pH	20.18 °C	637.74 µS/cm	0.09 mg/L	12.90 NTU	580.3 mV	7.00 ft	200.00 ml/min
9/15/2025 3:23 PM	40:00	6.03 pH	20.27 °C	639.56 µS/cm	0.08 mg/L	10.70 NTU	583.0 mV	7.00 ft	200.00 ml/min
9/15/2025 3:28 PM	45:00	6.03 pH	20.05 °C	639.98 µS/cm	0.08 mg/L	9.54 NTU	673.5 mV	7.00 ft	200.00 ml/min
9/15/2025 3:33 PM	50:00	6.05 pH	20.03 °C	639.25 µS/cm	0.08 mg/L	9.07 NTU	576.8 mV	7.00 ft	200.00 ml/min
9/15/2025 3:38 PM	55:00	6.06 pH	19.74 °C	638.20 µS/cm	0.07 mg/L	8.23 NTU	578.1 mV	7.00 ft	200.00 ml/min
9/15/2025 3:43 PM	01:00:00	6.07 pH	19.79 °C	639.35 µS/cm	0.07 mg/L	7.65 NTU	557.9 mV	7.00 ft	200.00 ml/min

9/15/2025 3:48 PM	01:05:00	6.08 pH	19.79 °C	638.71 µS/cm	0.07 mg/L	5.27 NTU	563.4 mV	7.00 ft	200.00 ml/min
9/15/2025 3:53 PM	01:10:00	6.10 pH	19.62 °C	638.70 µS/cm	0.07 mg/L	4.38 NTU	551.3 mV	7.00 ft	200.00 ml/min

Samples

Sample ID:	Description:
MCD-DGWC-38	Sampled at 1553

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/16/2025 10:55:47 AM
Project: MCD-DGWC-39
Operator Name: EEA

Location Name: MCD-DGWC-39 **Latitude: 33.821630319611934** **Longitude: -84.47969139561474** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 14.65 ft** **Total Depth: 24.65 ft** **Initial Depth to Water: 8.32 ft**	**Pump Type: Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 16.09 ft** **Estimated Total Volume Pumped: 9000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.98 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1146036**

Test Notes:

Weather Conditions:
Sunny 75

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 10%	+/- 5 %	+/- 10 %	+/- 5	+/- 10%	+/- 0.3	
9/16/2025 10:55 AM	00:00	6.52 pH	26.36 °C	589.36 µS/cm	4.75 mg/L	2.31 NTU	472.8 mV	8.32 ft	200.00 ml/min
9/16/2025 11:00 AM	05:00	6.44 pH	25.57 °C	609.29 µS/cm	5.97 mg/L	163.00 NTU	702.3 mV	8.90 ft	200.00 ml/min
9/16/2025 11:05 AM	10:00	6.27 pH	26.41 °C	682.60 µS/cm	5.00 mg/L	202.00 NTU	708.5 mV	9.30 ft	200.00 ml/min
9/16/2025 11:10 AM	15:00	6.40 pH	21.18 °C	801.94 µS/cm	0.63 mg/L	71.60 NTU	537.7 mV	9.30 ft	200.00 ml/min
9/16/2025 11:15 AM	20:00	6.43 pH	20.82 °C	790.09 µS/cm	0.35 mg/L	31.80 NTU	518.9 mV	9.30 ft	200.00 ml/min
9/16/2025 11:20 AM	25:00	6.44 pH	20.77 °C	794.48 µS/cm	0.24 mg/L	12.80 NTU	497.4 mV	9.30 ft	200.00 ml/min
9/16/2025 11:25 AM	30:00	6.44 pH	20.97 °C	792.59 µS/cm	0.19 mg/L	9.65 NTU	543.2 mV	9.30 ft	200.00 ml/min
9/16/2025 11:30 AM	35:00	6.43 pH	21.01 °C	800.18 µS/cm	0.17 mg/L	5.83 NTU	544.2 mV	9.30 ft	200.00 ml/min
9/16/2025 11:35 AM	40:00	6.44 pH	21.21 °C	799.52 µS/cm	0.15 mg/L	4.67 NTU	528.8 mV	9.30 ft	200.00 ml/min
9/16/2025 11:40 AM	45:00	6.44 pH	21.13 °C	801.22 µS/cm	0.13 mg/L	3.38 NTU	538.5 mV	9.30 ft	200.00 ml/min

Samples

Sample ID:	Description:

MCD-DGWC-39	Sampled at 1140

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/16/2025 1:01:00 PM
Project: MCD-DGWC-40
Operator Name: EEA

Location Name: MCD-DGWC-40 **Latitude: 33.82248363926431** **Longitude: -84.47862538516938** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.4 ft** **Total Depth: 38.4 ft** **Initial Depth to Water: 19.25 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 33.4 ft** **Estimated Total Volume Pumped: 4000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1146036**

Test Notes:

Weather Conditions:
Sunny 75

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 10%	+/- 5 %	+/- 10 %	+/- 5	+/- 10%	+/- 0.3	
9/16/2025 1:01 PM	00:00	5.83 pH	31.69 °C	417.88 µS/cm	4.03 mg/L	2.82 NTU	520.8 mV	19.31 ft	200.00 ml/min
9/16/2025 1:06 PM	05:00	4.61 pH	23.53 °C	463.70 µS/cm	2.90 mg/L	1.14 NTU	797.7 mV	19.31 ft	200.00 ml/min
9/16/2025 1:11 PM	10:00	4.58 pH	22.93 °C	471.26 µS/cm	2.86 mg/L	0.98 NTU	951.2 mV	19.31 ft	200.00 ml/min
9/16/2025 1:16 PM	15:00	4.59 pH	23.14 °C	472.57 µS/cm	2.79 mg/L	0.82 NTU	850.0 mV	19.31 ft	200.00 ml/min
9/16/2025 1:21 PM	20:00	4.59 pH	23.12 °C	472.15 µS/cm	2.76 mg/L	0.52 NTU	852.7 mV	19.31 ft	200.00 ml/min

Samples

Sample ID:	Description:
MCD-DGWC-40	Sampled at 1321 with extra rad

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/9/2025 1:26:31 PM
Project: MCD-DGWC-67
Operator Name: Z west

Location Name: MCD-DGWC-67 **Latitude: 33.82343979173298** **Longitude: -84.48196487801108** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 45.5 ft** **Total Depth: 55.5 ft** **Initial Depth to Water: 10.8 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 50 ft** **Estimated Total Volume Pumped: 3000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.62 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167960**

Test Notes:

Weather Conditions:
76 sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10%	+/- 5	
9/9/2025 1:26 PM	00:00	6.078 pH	28.89 °C	328.7 µS/cm	3.049 mg/L	2.710 NTU	88.0 mV	10.80 ft	150.0 ml/min
9/9/2025 1:31 PM	05:00	6.179 pH	22.14 °C	391.5 µS/cm	0.243 mg/L	2.610 NTU	76.5 mV	11.37 ft	150.0 ml/min
9/9/2025 1:36 PM	10:00	6.191 pH	21.55 °C	397.9 µS/cm	0.176 mg/L	1.980 NTU	75.3 mV	11.40 ft	150.0 ml/min
9/9/2025 1:41 PM	15:00	6.186 pH	21.43 °C	397.6 µS/cm	0.149 mg/L	1.510 NTU	74.1 mV	11.42 ft	150.0 ml/min
9/9/2025 1:46 PM	20:00	6.195 pH	21.46 °C	397.2 µS/cm	0.138 mg/L	1.770 NTU	72.4 mV	11.42 ft	150.0 ml/min

Samples

Sample ID:	Description:
MCD-DGWC-67	

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/9/2025 12:00:44 PM
Project: MCD-DGWC-68A
Operator Name: Z west

Location Name: MCD-DGWC-68A **Latitude: 33.824373171624416** **Longitude: -84.48231099171346** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 19.79 ft** **Total Depth: 29.79 ft** **Initial Depth to Water: 10.48 ft**	**Pump Type: Peristaltic** **Tubing Type: PE** **Pump Intake From TOC: 24.8 ft** **Estimated Total Volume Pumped: 3000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.5 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167960**

Test Notes:

Weather Conditions:
72 sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10%	+/- 5	
9/9/2025 12:00 PM	00:00	6.458 pH	30.21 °C	336.4 µS/cm	2.028 mg/L	21.30 NTU	93.5 mV	10.48 ft	150.0 ml/min
9/9/2025 12:05 PM	05:00	6.562 pH	21.50 °C	394.3 µS/cm	0.169 mg/L	1.170 NTU	77.4 mV	10.96 ft	150.0 ml/min
9/9/2025 12:10 PM	10:00	6.575 pH	20.85 °C	399.9 µS/cm	0.132 mg/L	1.020 NTU	74.4 mV	10.98 ft	150.0 ml/min
9/9/2025 12:15 PM	15:00	6.584 pH	20.83 °C	405.4 µS/cm	0.109 mg/L	0.840 NTU	70.6 mV	10.98 ft	150.0 ml/min
9/9/2025 12:20 PM	20:00	6.578 pH	20.59 °C	398.9 µS/cm	0.100 mg/L	0.520 NTU	90.2 mV	10.98 ft	150.0 ml/min

Samples

Sample ID:	Description:
MCD-DGWC-68A	

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/16/2025 10:16:15 AM
Project: MCD-DGWC-69
Operator Name: Brad Bryan

Location Name: MCD-DGWC-69 **Latitude: 33.8256042419925** **Longitude: -84.4834641470237** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 14.07 ft** **Total Depth: 24.06 ft** **Initial Depth to Water: 7.77 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 19 ft** **Estimated Total Volume Pumped: 23726.666 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.68 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes:

Weather Conditions:
Sunny 80

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10%	+/- 0.3	
9/16/2025 10:16 AM	00:00	6.352 pH	22.91 °C	367.6 µS/cm	0.274 mg/L	518.0 NTU	15.2 mV	7.930 ft	150.0 ml/min
9/16/2025 10:21 AM	05:00	6.360 pH	21.58 °C	374.4 µS/cm	0.190 mg/L	223.0 NTU	21.2 mV	8.090 ft	150.0 ml/min
9/16/2025 10:26 AM	10:00	6.342 pH	20.01 °C	403.3 µS/cm	0.226 mg/L	79.50 NTU	27.0 mV	8.220 ft	150.0 ml/min
9/16/2025 10:31 AM	15:00	6.353 pH	20.84 °C	394.9 µS/cm	0.089 mg/L	36.90 NTU	27.9 mV	8.440 ft	150.0 ml/min
9/16/2025 10:36 AM	20:00	6.357 pH	20.88 °C	393.6 µS/cm	0.059 mg/L	23.80 NTU	28.2 mV	8.580 ft	150.0 ml/min
9/16/2025 10:41 AM	25:00	6.350 pH	21.91 °C	395.3 µS/cm	0.138 mg/L	23.90 NTU	25.1 mV	8.620 ft	150.0 ml/min
9/16/2025 10:46 AM	30:00	6.340 pH	22.42 °C	392.3 µS/cm	0.111 mg/L	16.00 NTU	24.3 mV	8.620 ft	150.0 ml/min
9/16/2025 10:51 AM	35:00	6.332 pH	22.59 °C	392.3 µS/cm	0.097 mg/L	22.00 NTU	23.0 mV	8.620 ft	150.0 ml/min
9/16/2025 10:56 AM	40:00	6.327 pH	22.05 °C	384.6 µS/cm	0.073 mg/L	33.30 NTU	27.4 mV	8.620 ft	150.0 ml/min
9/16/2025 11:01 AM	45:00	6.336 pH	22.37 °C	398.2 µS/cm	0.120 mg/L	23.10 NTU	20.5 mV	8.570 ft	100.0 ml/min
9/16/2025 11:06 AM	50:00	6.324 pH	22.51 °C	395.1 µS/cm	0.133 mg/L	24.70 NTU	21.1 mV	8.430 ft	100.0 ml/min
9/16/2025 11:11 AM	55:00	6.320 pH	22.26 °C	398.1 µS/cm	0.139 mg/L	23.90 NTU	21.2 mV	8.430 ft	100.0 ml/min
9/16/2025 11:16 AM	01:00:00	6.322 pH	22.34 °C	396.2 µS/cm	0.133 mg/L	28.90 NTU	20.7 mV	8.430 ft	100.0 ml/min

9/16/2025 11:21 AM	01:05:00	6.309 pH	22.27 °C	392.5 µS/cm	0.110 mg/L	33.00 NTU	23.2 mV	8.430 ft	100.0 ml/min
9/16/2025 11:26 AM	01:10:00	6.306 pH	21.67 °C	396.5 µS/cm	0.086 mg/L	15.00 NTU	24.2 mV	8.450 ft	200.0 ml/min
9/16/2025 11:31 AM	01:15:00	6.304 pH	22.38 °C	391.5 µS/cm	0.072 mg/L	16.10 NTU	24.6 mV	8.450 ft	200.0 ml/min
9/16/2025 11:36 AM	01:20:00	6.306 pH	22.42 °C	392.3 µS/cm	0.068 mg/L	13.40 NTU	24.7 mV	8.450 ft	200.0 ml/min
9/16/2025 11:41 AM	01:25:00	6.301 pH	21.22 °C	401.4 µS/cm	0.071 mg/L	12.20 NTU	23.4 mV	8.450 ft	200.0 ml/min
9/16/2025 11:46 AM	01:30:00	6.297 pH	22.22 °C	393.5 µS/cm	0.063 mg/L	10.20 NTU	25.2 mV	8.450 ft	200.0 ml/min
9/16/2025 11:51 AM	01:35:00	6.301 pH	22.66 °C	390.2 µS/cm	0.061 mg/L	9.140 NTU	23.2 mV	8.450 ft	200.0 ml/min
9/16/2025 11:56 AM	01:40:00	6.293 pH	21.85 °C	397.6 µS/cm	0.063 mg/L	8.560 NTU	24.0 mV	8.450 ft	200.0 ml/min
9/16/2025 12:01 PM	01:45:00	6.292 pH	21.71 °C	399.6 µS/cm	0.067 mg/L	7.930 NTU	24.7 mV	8.450 ft	200.0 ml/min
9/16/2025 12:06 PM	01:50:00	6.294 pH	21.54 °C	400.4 µS/cm	0.063 mg/L	7.060 NTU	22.6 mV	8.450 ft	200.0 ml/min
9/16/2025 12:11 PM	01:55:00	6.290 pH	22.33 °C	395.5 µS/cm	0.061 mg/L	6.720 NTU	23.8 mV	8.450 ft	200.0 ml/min
9/16/2025 12:16 PM	02:00:00	6.291 pH	22.69 °C	394.9 µS/cm	0.058 mg/L	6.580 NTU	22.2 mV	8.450 ft	200.0 ml/min
9/16/2025 12:18 PM	02:02:23	6.290 pH	23.85 °C	384.1 µS/cm	0.048 mg/L	6.580 NTU	16.6 mV	8.450 ft	200.0 ml/min
9/16/2025 12:23 PM	02:07:23	6.284 pH	21.51 °C	402.8 µS/cm	0.063 mg/L	6.100 NTU	21.3 mV	8.450 ft	200.0 ml/min
9/16/2025 12:28 PM	02:12:23	6.288 pH	21.92 °C	400.8 µS/cm	0.057 mg/L	5.800 NTU	22.5 mV	8.450 ft	200.0 ml/min
9/16/2025 12:33 PM	02:17:23	6.288 pH	21.50 °C	402.8 µS/cm	0.057 mg/L	5.560 NTU	21.7 mV	8.450 ft	200.0 ml/min
9/16/2025 12:38 PM	02:22:23	6.291 pH	22.29 °C	397.1 µS/cm	0.051 mg/L	4.510 NTU	22.1 mV	8.450 ft	200.0 ml/min

Samples

Sample ID:	Description:
MCD-DGWC-69	At 1238

Low-Flow Test Report:

Test Date / Time: 9/16/2025 1:30:33 PM
Project: MCD-DGWC-121
Operator Name: Brad Bryan

Location Name: MCD-DGWC-121 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 39.4 ft** **Total Depth: 49.4 ft** **Initial Depth to Water: 9.66 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 45.5 ft** **Estimated Total Volume Pumped: 11000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 6.94 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes:

Weather Conditions:
Sunny 85

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10%	+/- 0.3	
9/16/2025 1:30 PM	00:00	6.004 pH	23.37 °C	155.1 µS/cm	0.177 mg/L	18.30 NTU	127.7 mV	12.48 ft	200.0 ml/min
9/16/2025 1:35 PM	05:00	6.097 pH	22.29 °C	309.9 µS/cm	0.542 mg/L	8.370 NTU	88.9 mV	13.33 ft	200.0 ml/min
9/16/2025 1:40 PM	10:00	6.122 pH	21.93 °C	335.4 µS/cm	0.509 mg/L	5.860 NTU	83.6 mV	13.96 ft	200.0 ml/min
9/16/2025 1:45 PM	15:00	6.119 pH	21.41 °C	349.6 µS/cm	0.677 mg/L	3.620 NTU	90.5 mV	14.65 ft	200.0 ml/min
9/16/2025 1:50 PM	20:00	6.125 pH	21.72 °C	359.3 µS/cm	0.653 mg/L	3.220 NTU	80.9 mV	15.42 ft	200.0 ml/min
9/16/2025 1:55 PM	25:00	6.133 pH	21.51 °C	368.5 µS/cm	0.435 mg/L	3.250 NTU	87.8 mV	16.03 ft	200.0 ml/min
9/16/2025 2:00 PM	30:00	6.135 pH	21.33 °C	373.4 µS/cm	1.089 mg/L	2.490 NTU	87.5 mV	16.54 ft	200.0 ml/min
9/16/2025 2:05 PM	35:00	6.135 pH	21.31 °C	380.0 µS/cm	0.930 mg/L	1.420 NTU	87.6 mV	16.60 ft	200.0 ml/min
9/16/2025 2:10 PM	40:00	6.141 pH	21.94 °C	380.8 µS/cm	0.767 mg/L	1.880 NTU	80.4 mV	16.60 ft	200.0 ml/min
9/16/2025 2:15 PM	45:00	6.138 pH	21.94 °C	383.2 µS/cm	0.263 mg/L	1.340 NTU	81.0 mV	16.60 ft	200.0 ml/min
9/16/2025 2:20 PM	50:00	6.140 pH	21.70 °C	384.7 µS/cm	0.273 mg/L	1.430 NTU	81.1 mV	16.60 ft	200.0 ml/min
9/16/2025 2:25 PM	55:00	6.142 pH	21.71 °C	384.7 µS/cm	0.227 mg/L	1.150 NTU	81.4 mV	16.60 ft	200.0 ml/min

Samples

Sample ID:	Description:
MCD-DGWC-121	@1425

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/17/2025 9:23:38 AM
Project: MCD-B-105D
Operator Name: Brad Bryan

Location Name: MCD-B-105D **Latitude: 33.822683596914686** **Longitude: -84.47856458982113** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 62.02 ft** **Total Depth: 73.02 ft** **Initial Depth to Water: 18.95 ft**	**Pump Type: BLADDER** **Tubing Type: Poly** **Pump Intake From TOC: 68 ft** **Estimated Total Volume Pumped: 5840 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes:

Weather Conditions:
Sunny 75

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10%	+/- 0.3	
9/17/2025 9:24 AM	00:00	6.566 pH	23.10 °C	675.5 µS/cm	1.931 mg/L	1.450 NTU	-26.6 mV	20.57 ft	200.0 ml/min
9/17/2025 9:29 AM	05:00	6.502 pH	22.08 °C	681.3 µS/cm	0.544 mg/L	0.870 NTU	-7.6 mV	20.77 ft	200.0 ml/min
9/17/2025 9:34 AM	10:00	6.343 pH	20.61 °C	673.0 µS/cm	0.463 mg/L	0.460 NTU	16.8 mV	20.90 ft	200.0 ml/min
9/17/2025 9:38 AM	14:12	6.255 pH	20.23 °C	665.5 µS/cm	0.428 mg/L	0.480 NTU	35.1 mV	20.94 ft	200.0 ml/min
9/17/2025 9:43 AM	19:12	6.188 pH	20.67 °C	653.9 µS/cm	0.369 mg/L	0.260 NTU	46.5 mV	20.98 ft	200.0 ml/min
9/17/2025 9:48 AM	24:12	6.150 pH	20.56 °C	649.3 µS/cm	0.314 mg/L	0.340 NTU	53.7 mV	20.98 ft	200.0 ml/min
9/17/2025 9:53 AM	29:12	6.118 pH	21.05 °C	645.2 µS/cm	0.277 mg/L	0.300 NTU	57.9 mV	20.98 ft	200.0 ml/min

Samples

Sample ID:	Description:
MCD-B-105D	@0953, Fe2+: 2.0

Low-Flow Test Report:

Test Date / Time: 9/9/2025 10:52:04 AM
Project: MCD-B-112D
Operator Name: Z west

Location Name: MCD-B-112D **Latitude: 33.82606081427552** **Longitude: -84.4831399961153** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 45 ft** **Total Depth: 55 ft** **Initial Depth to Water: 8.73 ft**	**Pump Type: Peristaltic** **Tubing Type: PE** **Pump Intake From TOC: 50 ft** **Estimated Total Volume Pumped: 3180 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.23 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167960**

Test Notes:

Weather Conditions:
65 sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10%	+/- 5	
9/9/2025 10:52 AM	00:00	6.675 pH	25.75 °C	106.9 µS/cm	4.489 mg/L	3.570 NTU	-57.9 mV	8.730 ft	150.0 ml/min
9/9/2025 10:53 AM	01:12	6.783 pH	23.36 °C	219.3 µS/cm	1.672 mg/L	3.570 NTU	-68.9 mV	8.730 ft	150.0 ml/min
9/9/2025 10:58 AM	06:12	6.701 pH	21.19 °C	224.1 µS/cm	0.228 mg/L	5.930 NTU	8.7 mV	8.900 ft	150.0 ml/min
9/9/2025 11:03 AM	11:12	6.678 pH	20.58 °C	220.3 µS/cm	0.143 mg/L	3.720 NTU	28.9 mV	8.950 ft	150.0 ml/min
9/9/2025 11:08 AM	16:12	6.652 pH	20.37 °C	218.8 µS/cm	0.123 mg/L	2.350 NTU	24.1 mV	8.960 ft	150.0 ml/min
9/9/2025 11:13 AM	21:12	6.646 pH	20.31 °C	215.8 µS/cm	0.113 mg/L	2.610 NTU	11.9 mV	8.960 ft	150.0 ml/min

Samples

Sample ID:	Description:
MCD-B-112D	Fe2+: 0.0

Low-Flow Test Report:

Test Date / Time: 9/15/2025 10:13:12 AM
Project: MCD-B-62
Operator Name: Z West

Location Name: MCD-B-62 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 29.62 ft** **Total Depth: 39.62 ft** **Initial Depth to Water: 17.42 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 34.6 ft** **Estimated Total Volume Pumped: 25777.5 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.25 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167960**

Test Notes:

Weather Conditions:
70 sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 5	
9/15/2025 10:13 AM	00:00	6.688 pH	21.03 °C	458.5 µS/cm	2.182 mg/L	27.30 NTU	21.9 mV	17.42 ft	150.0 ml/min
9/15/2025 10:18 AM	05:00	6.705 pH	19.67 °C	471.2 µS/cm	1.281 mg/L	27.20 NTU	18.3 mV	17.62 ft	150.0 ml/min
9/15/2025 10:20 AM	06:58	6.703 pH	19.39 °C	475.3 µS/cm	0.973 mg/L	27.20 NTU	14.8 mV	17.62 ft	150.0 ml/min
9/15/2025 10:25 AM	11:58	6.715 pH	19.56 °C	471.2 µS/cm	2.208 mg/L	22.00 NTU	16.6 mV	17.66 ft	150.0 ml/min
9/15/2025 10:30 AM	16:58	6.710 pH	19.39 °C	472.9 µS/cm	2.860 mg/L	24.10 NTU	15.1 mV	17.67 ft	150.0 ml/min
9/15/2025 10:35 AM	21:58	6.719 pH	19.21 °C	474.2 µS/cm	2.478 mg/L	17.20 NTU	10.8 mV	17.67 ft	150.0 ml/min
9/15/2025 10:40 AM	26:58	6.714 pH	19.17 °C	467.8 µS/cm	6.009 mg/L	16.70 NTU	11.8 mV	17.67 ft	150.0 ml/min
9/15/2025 10:45 AM	31:58	6.718 pH	19.57 °C	466.4 µS/cm	4.806 mg/L	16.90 NTU	15.5 mV	17.67 ft	150.0 ml/min
9/15/2025 10:50 AM	36:58	6.697 pH	19.70 °C	462.4 µS/cm	3.797 mg/L	16.70 NTU	16.3 mV	17.67 ft	150.0 ml/min
9/15/2025 10:55 AM	41:58	6.689 pH	19.70 °C	448.9 µS/cm	0.899 mg/L	16.20 NTU	10.9 mV	17.67 ft	150.0 ml/min
9/15/2025 11:00 AM	46:58	6.633 pH	19.68 °C	409.2 µS/cm	6.113 mg/L	13.80 NTU	9.1 mV	17.67 ft	150.0 ml/min
9/15/2025 11:05 AM	51:58	6.567 pH	19.99 °C	377.7 µS/cm	0.828 mg/L	12.90 NTU	5.6 mV	17.67 ft	150.0 ml/min
9/15/2025 11:10 AM	56:58	6.526 pH	20.32 °C	350.6 µS/cm	4.013 mg/L	10.30 NTU	9.5 mV	17.67 ft	150.0 ml/min

9/15/2025 11:15 AM	01:01:58	6.488 pH	20.45 °C	325.9 µS/cm	4.288 mg/L	8.610 NTU	8.4 mV	17.67 ft	150.0 ml/min
9/15/2025 11:20 AM	01:06:58	6.459 pH	20.46 °C	321.0 µS/cm	1.672 mg/L	6.910 NTU	8.7 mV	17.67 ft	150.0 ml/min
9/15/2025 11:25 AM	01:11:58	6.434 pH	20.59 °C	313.1 µS/cm	0.413 mg/L	5.980 NTU	8.3 mV	17.67 ft	150.0 ml/min
9/15/2025 11:30 AM	01:16:58	6.425 pH	20.36 °C	304.9 µS/cm	2.176 mg/L	5.250 NTU	8.2 mV	17.67 ft	150.0 ml/min
9/15/2025 11:35 AM	01:21:58	6.412 pH	20.16 °C	300.6 µS/cm	1.322 mg/L	4.470 NTU	8.1 mV	17.67 ft	150.0 ml/min
9/15/2025 11:40 AM	01:26:58	6.392 pH	20.17 °C	297.3 µS/cm	5.427 mg/L	3.900 NTU	7.8 mV	17.67 ft	150.0 ml/min
9/15/2025 11:45 AM	01:31:58	6.389 pH	20.21 °C	292.0 µS/cm	0.662 mg/L	3.340 NTU	7.6 mV	17.67 ft	150.0 ml/min
9/15/2025 11:50 AM	01:36:58	6.374 pH	20.36 °C	289.5 µS/cm	3.373 mg/L	2.670 NTU	6.6 mV	17.67 ft	150.0 ml/min
9/15/2025 11:55 AM	01:41:58	6.358 pH	20.41 °C	287.2 µS/cm	0.626 mg/L	3.300 NTU	7.0 mV	17.67 ft	150.0 ml/min
9/15/2025 12:00 PM	01:46:58	6.359 pH	20.35 °C	284.3 µS/cm	1.657 mg/L	2.490 NTU	7.3 mV	17.67 ft	150.0 ml/min
9/15/2025 12:05 PM	01:51:58	6.355 pH	20.31 °C	282.4 µS/cm	3.388 mg/L	2.630 NTU	6.6 mV	17.67 ft	150.0 ml/min
9/15/2025 12:10 PM	01:56:58	6.325 pH	20.44 °C	277.4 µS/cm	4.047 mg/L	2.410 NTU	7.1 mV	17.67 ft	150.0 ml/min
9/15/2025 12:15 PM	02:01:58	6.354 pH	20.40 °C	278.2 µS/cm	5.029 mg/L	2.540 NTU	5.7 mV	17.67 ft	150.0 ml/min
9/15/2025 12:45 PM	02:31:51	6.357 pH	25.55 °C	256.7 µS/cm	6.090 mg/L	1.760 NTU	2.3 mV	17.67 ft	150.0 ml/min
9/15/2025 12:50 PM	02:36:51	6.337 pH	20.97 °C	269.8 µS/cm	4.347 mg/L	1.820 NTU	-1.7 mV	17.67 ft	150.0 ml/min
9/15/2025 12:55 PM	02:41:51	6.323 pH	20.68 °C	271.9 µS/cm	5.797 mg/L	2.210 NTU	-1.7 mV	17.67 ft	150.0 ml/min
9/15/2025 1:00 PM	02:46:51	6.338 pH	20.76 °C	273.7 µS/cm	5.942 mg/L	1.750 NTU	-7.6 mV	17.67 ft	150.0 ml/min
9/15/2025 1:05 PM	02:51:51	6.341 pH	20.53 °C	262.0 µS/cm	6.317 mg/L	1.820 NTU	-7.2 mV	17.67 ft	150.0 ml/min

Samples

Sample ID:	Description:
MCD-B-62	

Low-Flow Test Report:

Test Date / Time: 9/16/2025 9:29:20 AM
Project: MCD-B-100
Operator Name: Z west

Location Name: MCD-B-100 **Latitude: 33.82162869994475** **Longitude: -84.47776094642381** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 37.93 ft** **Total Depth: 47.93 ft** **Initial Depth to Water: 34.52 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Pump Intake From TOC: 42.93 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: -0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167960**

Test Notes:

Weather Conditions:
68 sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 10%	+/- 5 %	+/- 10 %	+/- 5	+/- 10%	+/- 5	
9/16/2025 9:29 AM	00:00	5.289 pH	23.66 °C	532.1 µS/cm	3.305 mg/L	42.30 NTU	143.4 mV	34.52 ft	200.0 ml/min
9/16/2025 9:34 AM	05:00	5.146 pH	22.81 °C	580.5 µS/cm	0.638 mg/L	7.070 NTU	125.3 mV	34.51 ft	200.0 ml/min
9/16/2025 9:39 AM	10:00	5.107 pH	22.66 °C	665.1 µS/cm	0.215 mg/L	3.460 NTU	116.8 mV	34.46 ft	200.0 ml/min
9/16/2025 9:44 AM	15:00	5.102 pH	22.64 °C	677.5 µS/cm	0.615 mg/L	1.870 NTU	99.9 mV	34.46 ft	200.0 ml/min
9/16/2025 9:49 AM	20:00	5.139 pH	22.78 °C	711.5 µS/cm	0.426 mg/L	1.420 NTU	81.4 mV	34.45 ft	200.0 ml/min
9/16/2025 9:54 AM	25:00	5.152 pH	23.08 °C	730.0 µS/cm	0.158 mg/L	1.390 NTU	64.9 mV	34.45 ft	200.0 ml/min
9/16/2025 9:59 AM	30:00	5.159 pH	22.93 °C	736.7 µS/cm	0.189 mg/L	1.470 NTU	66.4 mV	34.45 ft	200.0 ml/min

Samples

Sample ID:	Description:
McD-B-100	

PLANT MCDONOUGH SURFACE WATER SAMPLES (AP-1)

Sample ID	Date	Time	Temp (°C)	pH	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Conductance (mS/cm)	Coordinates
MCD-UT01_US	9/9/2025	1304	20.44	7.66	169	6.68	0.45	0.252	**33.825727, -84.482406**
MCD-UT02	9/9/2025	1257	20.83	7.69	163	5.53	0.30	0.252	**33.825039, -84.482618**
MCD-UT03	9/9/2025	1249	20.37	7.72	160	6.91	0.50	0.225	**33.824350, -84.482458**
MCD-UT01_DS	9/9/2025	1237	21.50	7.88	149	7.53	0.50	0.253	**33.822484, -84.482007**
MCD-CR-0.1	9/9/2025	1129	19.84	7.5	154	7.35	22.1	0.153	**33.824437, -84.473293**
MCD-CR+0.2	9/9/2025	1153	19.08	7.58	167	7.09	12.5	0.105	**33.819924, -84.478340**
MCD-CR+0.4	9/9/2025	1109	19.50	7.95	99	7.14	16.9	0.118	**33.818131, -84.479768**

APPENDIX A

Field Data Forms
October 2025

Low-Flow Test Report:

Test Date / Time: 10/21/2025 2:11:12 PM
Project: McDonough
Operator Name: Z.west

Location Name: MCD-DGWC-41 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 53.09 ft** **Total Depth: 63.09 ft** **Initial Depth to Water: 27.04 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 58.09 ft** **Estimated Total Volume Pumped: 3125 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 0.15 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080300**

Test Notes:

Weather Conditions:
75 Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
10/21/2025 2:11 PM	00:00	6.083 pH	31.04 °C	564.2 µS/cm	7.446 mg/L	10.40 NTU	-73.5 mV	27.04 ft	125.0 ml/min
10/21/2025 2:16 PM	05:00	5.388 pH	24.44 °C	643.5 µS/cm	2.093 mg/L	2.600 NTU	126.2 mV	27.15 ft	125.0 ml/min
10/21/2025 2:21 PM	10:00	5.381 pH	23.12 °C	647.9 µS/cm	1.495 mg/L	1.410 NTU	422.8 mV	27.16 ft	125.0 ml/min
10/21/2025 2:26 PM	15:00	5.366 pH	22.23 °C	654.6 µS/cm	0.560 mg/L	0.990 NTU	483.1 mV	27.19 ft	125.0 ml/min
10/21/2025 2:31 PM	20:00	5.382 pH	22.08 °C	649.0 µS/cm	0.486 mg/L	0.900 NTU	403.2 mV	27.19 ft	125.0 ml/min
10/21/2025 2:36 PM	25:00	5.371 pH	22.02 °C	651.9 µS/cm	0.425 mg/L	1.180 NTU	414.3 mV	27.19 ft	125.0 ml/min

Samples

Sample ID:	Description:
MCD-DGWC-41	EB1

Low-Flow Test Report:

Test Date / Time: 10/21/2025 11:14:57 AM
Project: MCD-DGWC-134
Operator Name: Jake Stucky

Location Name: MCD-DGWC-134 **Latitude: 33.82284032076628** **Longitude: -84.4818530033427** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 14.13 ft** **Total Depth: 24.13 ft** **Initial Depth to Water: 10.65 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 20 ft** **Estimated Total Volume Pumped: 3750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 2.55 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
10/21/2025 11:13 AM	00:00	6.067 pH	19.14 °C	391.4 µS/cm	1.290 mg/L	10.20 NTU	87.7 mV	10.65 ft	150.0 ml/min
10/21/2025 11:18 AM	05:00	5.904 pH	19.65 °C	384.2 µS/cm	0.270 mg/L	6.940 NTU	75.6 mV	12.00 ft	150.0 ml/min
10/21/2025 11:23 AM	10:00	5.904 pH	19.94 °C	381.5 µS/cm	0.164 mg/L	4.090 NTU	68.1 mV	12.41 ft	150.0 ml/min
10/21/2025 11:28 AM	15:00	5.897 pH	20.31 °C	372.7 µS/cm	0.131 mg/L	4.030 NTU	63.5 mV	12.70 ft	150.0 ml/min
10/21/2025 11:33 AM	20:00	5.899 pH	20.48 °C	367.3 µS/cm	0.131 mg/L	2.390 NTU	77.0 mV	13.00 ft	150.0 ml/min
10/21/2025 11:38 AM	25:00	5.888 pH	20.49 °C	359.1 µS/cm	0.134 mg/L	2.120 NTU	71.8 mV	13.20 ft	150.0 ml/min

Samples

Sample ID:	Description:
MCD-DGWC-134	FD-1

Low-Flow Test Report:

Test Date / Time: 10/21/2025 11:13:33 AM
Project: McDonough
Operator Name: Z.west

Location Name: MCD-DGWC-135 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 31.61 ft** **Total Depth: 41.61 ft** **Initial Depth to Water: 27.11 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 36.61 m** **Estimated Total Volume Pumped: 7690 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 1.71 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080300**

Test Notes:
FB-1

Weather Conditions:
60 sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
10/21/2025 11:13 AM	00:00	6.694 pH	27.04 °C	682.8 µS/cm	7.068 mg/L	19.20 NTU	111.2 mV	27.11 ft	200.0 ml/min
10/21/2025 11:18 AM	05:00	5.598 pH	21.45 °C	698.6 µS/cm	0.717 mg/L	18.10 NTU	-1.9 mV	28.00 ft	200.0 ml/min
10/21/2025 11:25 AM	12:12	5.569 pH	21.36 °C	693.1 µS/cm	0.836 mg/L	15.40 NTU	-15.8 mV	28.35 ft	150.0 ml/min
10/21/2025 11:30 AM	17:12	5.570 pH	21.91 °C	685.7 µS/cm	0.952 mg/L	12.70 NTU	-16.6 mV	28.56 ft	150.0 ml/min
10/21/2025 11:35 AM	22:12	5.567 pH	22.55 °C	683.8 µS/cm	1.008 mg/L	10.30 NTU	-17.6 mV	28.61 ft	150.0 ml/min
10/21/2025 11:40 AM	27:12	5.581 pH	22.30 °C	674.1 µS/cm	0.891 mg/L	9.910 NTU	-18.6 mV	28.68 ft	150.0 ml/min
10/21/2025 11:45 AM	32:12	5.580 pH	22.02 °C	678.6 µS/cm	0.876 mg/L	9.640 NTU	-19.3 mV	28.68 ft	150.0 ml/min
10/21/2025 11:50 AM	37:12	5.584 pH	22.08 °C	676.8 µS/cm	0.825 mg/L	6.900 NTU	-18.6 mV	28.80 ft	150.0 ml/min
10/21/2025 11:55 AM	42:12	5.592 pH	21.59 °C	674.1 µS/cm	0.709 mg/L	6.100 NTU	-28.6 mV	28.82 ft	150.0 ml/min
10/21/2025 12:00 PM	47:12	5.593 pH	21.40 °C	672.9 µS/cm	0.689 mg/L	4.930 NTU	-29.4 mV	28.82 ft	150.0 ml/min

Samples

Sample ID:	Description:

MCD-DGWC-135	

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 10/22/2025 11:16:03 AM
Project: McDonough (3)
Operator Name: Z.west

Location Name: MCD-B-136D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 67.95 ft** **Total Depth: 77.95 ft** **Initial Depth to Water: 32.87 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 73 ft** **Estimated Total Volume Pumped: 10912 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 15.3 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080300**

Test Notes:

Weather Conditions:
60 clear

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
10/22/2025 11:16 AM	00:00	7.437 pH	23.58 °C	897.5 µS/cm	4.649 mg/L	16.90 NTU	34.4 mV	32.87 ft	200.0 ml/min
10/22/2025 11:21 AM	05:00	6.949 pH	21.38 °C	894.1 µS/cm	1.765 mg/L	5.690 NTU	-51.6 mV	35.29 ft	200.0 ml/min
10/22/2025 11:26 AM	10:00	6.966 pH	21.37 °C	876.3 µS/cm	2.753 mg/L	3.910 NTU	-61.7 mV	37.22 ft	200.0 ml/min
10/22/2025 11:31 AM	15:00	6.999 pH	21.43 °C	867.2 µS/cm	3.421 mg/L	4.450 NTU	-48.8 mV	39.08 ft	120.0 ml/min
10/22/2025 11:36 AM	20:00	7.010 pH	21.69 °C	868.3 µS/cm	3.851 mg/L	2.930 NTU	-50.6 mV	40.49 ft	200.0 ml/min
10/22/2025 11:41 AM	25:00	6.989 pH	21.63 °C	860.5 µS/cm	4.052 mg/L	3.500 NTU	-49.7 mV	41.60 ft	200.0 ml/min
10/22/2025 11:46 AM	30:00	7.010 pH	21.73 °C	836.6 µS/cm	4.195 mg/L	2.600 NTU	-52.0 mV	43.05 ft	200.0 ml/min
10/22/2025 11:51 AM	35:00	7.022 pH	21.70 °C	830.3 µS/cm	4.294 mg/L	3.170 NTU	-52.8 mV	43.93 ft	200.0 ml/min
10/22/2025 11:56 AM	40:00	7.023 pH	21.88 °C	825.9 µS/cm	4.284 mg/L	2.530 NTU	-53.7 mV	44.94 ft	120.0 ml/min
10/22/2025 12:01 PM	45:00	6.997 pH	21.91 °C	820.4 µS/cm	4.409 mg/L	3.500 NTU	-52.7 mV	45.85 ft	120.0 ml/min
10/22/2025 12:06 PM	50:00	6.997 pH	22.07 °C	842.0 µS/cm	4.400 mg/L	2.200 NTU	-53.8 mV	46.50 ft	120.0 ml/min
10/22/2025 12:11 PM	55:00	7.004 pH	22.44 °C	830.9 µS/cm	4.373 mg/L	4.390 NTU	-55.0 mV	47.16 ft	120.0 ml/min
10/22/2025 12:16 PM	01:00:00	6.998 pH	22.52 °C	845.9 µS/cm	4.698 mg/L	2.490 NTU	-54.8 mV	47.58 ft	120.0 ml/min

10/22/2025 12:18 PM	01:02:36	6.995 pH	22.62 °C	843.5 µS/cm	4.653 mg/L	2.560 NTU	-66.4 mV	47.91 ft	120.0 ml/min
10/22/2025 12:23 PM	01:07:36	6.991 pH	22.88 °C	844.6 µS/cm	4.797 mg/L	2.510 NTU	-55.2 mV	48.17 ft	120.0 ml/min

Samples

Sample ID:	Description:
MCD-B-136D	

Created using VuSitu from In-Situ, Inc.

APPENDIX A

Instrument Calibration Records
September 2025

Field Instrumentation Calibration Form

Site Name: McDonough

Date: 09/09/25

Calibrated By:

Field Conditions:

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1167969
Turbidity Meter	Hach 2100Q	23100006 0368

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014219	01/2026	AIR
pH (SU)	4.00	1	1	1
pH (SU)	7.00	24014266		
pH (SU)	10.00	24011537		
D.O. (%)	N/A	—		
ORP (mV)	228.0	22490162		

Calibration

Time Start: Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4496	24.67	± 10% of standard	EPA 2023
pH (SU)	4.00	4.0	25.10	± 0.1	GWMP
pH (SU)	7.00	7.0	24.79	± 0.1	GWMP
pH (SU)	10.00	10.0	23.87	± 0.1	GWMP
D.O. (%)	N/A	104.6	24.10	± 10%	NA
ORP (mV)	228.0	229.4	23.77	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.6	± 10% of standard	EPA 2023
	100	94.1		
	800	775		
	10	9.75		

Calibration Check

Time Start: Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4500	31.1	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	32.10	± 0.1	GWMP
pH (SU)	7.00	6.99	31.2	± 0.1	GWMP
pH (SU)	10.00	9.92	30.6	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	21	± 10% of standard	EPA 2023
	100	102		
	800	792		
	10	9.7		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant McDonough

Date: 9/9/25

Calibrated By: Daniel Howard

Field Conditions: Clear & Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1120555
Turbidity Meter	Hach 2100Q	24090C010073

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	1/26	Atl Instru
pH (SU)	4.00	24014215	1/26	↓
pH (SU)	7.00	24014266	1/26	↓
pH (SU)	10.00	24011537	1/26	↓
D.O. (%)	N/A	~~24490162~~	~~1/26~~	↓
ORP (mV)	228.0	24490162	1/26	Atl Instru

Calibration

Time Start: 0855 Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	21.34	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	21.50	± 0.1	GWMP
pH (SU)	7.00	7.020	21.20	± 0.1	GWMP
pH (SU)	10.00	10.03	21.62	± 0.1	GWMP
D.O. (%)	N/A	8.515	20.9	± 10%	NA
ORP (mV)	228.0	233.7	21.52	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.1	± 10% of standard	EPA 2023
	100	99.3		
	800	800		
	OK 10	9.43		

Calibration Check

Time Start: 1505 Time Finish: 1515

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4523	29.63	± 10% of standard	EPA 2023
pH (SU)	4.00	4.07	29.63	± 0.1	GWMP
pH (SU)	7.00	7.058	29.29	± 0.1	GWMP
pH (SU)	10.00	10.01	28.67	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.6	± 10% of standard	EPA 2023
	100	98.3		
	800	785		
	OK 10	9.35		

Notes:

Field Instrumentation Calibration Form

Site Name: McD

Date: 09/11/25

Field Conditions: Sunny 65F

Calibrated By:

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1146036
Turbidity Meter	Hach 2100Q	2069D000G 86

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24614218	01/26	ATC
pH (SU)	4.00	24014218	↓	↓
pH (SU)	7.00	24014926	↓	↓
pH (SU)	10.00	24011537	↓	↓
D O (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	↓	

Calibration

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	20.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.06	20.43	± 0.1	GWMP
pH (SU)	7.00	7.02	20.38	± 0.1	GWMP
pH (SU)	10.00	10.05	20.28	± 0.1	GWMP
D.O. (%)	N/A	100%	19.55	± 10%	NA
ORP (mV)	228.0	228	20.55	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.83	± 10% of standard	EPA 2023
	20	20.1		
	100	99.7		
	800	803		

Calibration Check

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4356	24.75	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	24.25	± 0.1	GWMP
pH (SU)	7.00	7.02	24.52	± 0.1	GWMP
pH (SU)	10.00	9.99	24.22	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.84	± 10% of standard	EPA 2023
	20	21.2		
	100	97.7		
	800	784		

Notes:

Field Instrumentation Calibration Form

Site Name: McD

Date: 4.9.25

Calibrated By:

Field Conditions: 61 Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1165460
Turbidity Meter	Hach 2100Q	24090D000303

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01/26	AIR
pH (SU)	4.00	↓	↓	↓
pH (SU)	7.00	24014266	01/26	AIR
pH (SU)	10.00	24011637	01/26	AIR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	01/26	AIR

Calibration

Time Start: Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	5,178	21.39	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	~~22.89~~ 21.89	± 0.1	GWMP
pH (SU)	7.00	6.98	22.02	± 0.1	GWMP
pH (SU)	10.00	10.03	~~23.71~~	± 0.1	GWMP
D.O. (%)	N/A	~~%~~ 90.10	~~27.70~~	± 10%	NA
ORP (mV)	228.0	229.2	~~22.45~~	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.1	± 10% of standard	EPA 2023
	100	98.5		
	800	796		
	10	9.85		

Calibration Check

Time Start: Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	5,011	24.73	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	24.84	± 0.1	GWMP
pH (SU)	7.00	~~10.09~~ 7.03	25.01	± 0.1	GWMP
pH (SU)	10.00	10.01	25.22	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	101		
	800	804		
	10	9.91		

Notes:

Field Instrumentation Calibration Form

Site Name: MCO

Date: 9/9/25

Calibrated By: JS

Field Conditions: Sunny 75

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	179479
Turbidity Meter	Hach 2100Q	22690000345

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014216	1/26	AIR
pH (SU)	4.00			
pH (SU)	7.00	24014266	1/26	AIR
pH (SU)	10.00	24011537	1/26	AIR
D.O. (%)	N/A			
ORP (mV)	228.0	24040162	1/26	AIR

Calibration

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4498	21.03	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	21.19	± 0.1	GWMP
pH (SU)	7.00	6.96	21.53	± 0.1	GWMP
pH (SU)	10.00	10.04	21.96	± 0.1	GWMP
D.O. (%)	N/A	111.5 %	21.42	± 10%	NA
ORP (mV)	228.0	228.7	21.55	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	21.3	± 10% of standard	EPA 2023
	100	103		
	800	803		
	10	9.96		

Calibration Check

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4499	33.67	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	34.00	± 0.1	GWMP
pH (SU)	7.00	6.99	32.62	± 0.1	GWMP
pH (SU)	10.00	10.00	30.49	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.2	± 10% of standard	EPA 2023
	100	101		
	800	782		
	10	9.67		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant McDonough

Date: 9/10/25

Calibrated By: Daniel Howard

Field Conditions: Clear + Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	11200.55
Turbidity Meter	Hach 2100Q	24090D000073

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	1/26	APT Instru
pH (SU)	4.00	24014218	↓	↓
pH (SU)	7.00	24014266		
pH (SU)	10.00	24011337		
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	1/26	APT Instru

Calibration

Time Start 0830 Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	23.06	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.11	± 0.1	GWMP
pH (SU)	7.00	7.00	23.88	± 0.1	GWMP
pH (SU)	10.00	10.00	23.64	± 0.1	GWMP
D.O. (%)	N/A	8.196	21.37	± 10%	NA
ORP (mV)	228.0	230.5	23.97	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.3	± 10% of standard	EPA 2023
	100	102		
	800	810		
	ck 10	9.21		

Calibration Check

Time Start 1535 Time Finish 1550

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4439	30.16	± 10% of standard	EPA 2023
pH (SU)	4.00	4.069	30.16	± 0.1	GWMP
pH (SU)	7.00	7.080	29.04	± 0.1	GWMP
pH (SU)	10.00	9.963	28.69	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.0	± 10% of standard	EPA 2023
	100	98.6		
	800	780		
	ck 10	9.18		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant MCD

Date: 09/10/25

Field Conditions: Sunny 80F

Calibrated By:

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1146086
Turbidity Meter	Hach 2100Q	22080086

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	06/26	AIR
pH (SU)	4.00	24014218		
pH (SU)	7.00	24014266		
pH (SU)	10.00	24011537		
D.O. (%)	N/A			
ORP (mV)	228.0	22490867		

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	20.98	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	21.38	± 0.1	GWMP
pH (SU)	7.00	7.02	21.97	± 0.1	GWMP
pH (SU)	10.00	10.05	22.08	± 0.1	GWMP
D.O. (%)	N/A	100	19.39	± 10%	NA
ORP (mV)	228.0	228	22.11	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10	± 10% of standard	EPA 2023
	20	20.2		
	100	98.2		
	800	784		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	31.08	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	30.97	± 0.1	GWMP
pH (SU)	7.00	7.03	31.41	± 0.1	GWMP
pH (SU)	10.00	10.02	32.1	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10	± 10% of standard	EPA 2023
	20	20.1		
	100	99.7		
	800	794		

Notes:

Site Name: Plant McDonough

Field Instrumentation Calibration Form

Date: 9/10/25

Calibrated By:

Field Conditions:

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1167968
Turbidity Meter	Hach 2100Q	23100D00036

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01/2026	AIR
pH (SU)	4.00	1	1	1
pH (SU)	7.00	24014266	1	1
pH (SU)	10.00	2401,637	1	1
D.O. (%)	N/A	—	1	1
ORP (mV)	228.0	22490162	1	1

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4664	20.56	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	21.16	± 0.1	GWMP
pH (SU)	7.00	7.00	21.45	± 0.1	GWMP
pH (SU)	10.00	10.00	21.45	± 0.1	GWMP
D.O. (%)	N/A	105.7		± 10%	NA
ORP (mV)	228.0	231.0	21.29	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20	± 10% of standard	EPA 2023
	100	101		
	800	817		
	10	9.69		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	4365 Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	~~4275~~ VOID	32.09	± 10% of standard	EPA 2023
pH (SU)	4.00	4.040	30.83	± 0.1	GWMP
pH (SU)	7.00	7.073	30.42	± 0.1	GWMP
pH (SU)	10.00	~~9.95~~ VOID 9.991		± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.90	± 10% of standard	EPA 2023
	20	20.1		
	100	99.9		
	800	798		

Notes:

Site Name: MCD

Field Instrumentation Calibration Form

Date: 9.10.25

Calibrated By:

Field Conditions: 60° Clear

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	167960
Turbidity Meter	Hach 2100Q	24090D000303

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01/26	ATR
pH (SU)	4.00	↓	↓	↓
pH (SU)	7.00	24014266	01/26	
pH (SU)	10.00	24015537	01/26	
D.O. (%)	N/A	—	—	
ORP (mV)	228.0	22490162	01/26	

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4048	22.12	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	22.0	± 0.1	GWMP
pH (SU)	7.00	7.04	22.36	± 0.1	GWMP
pH (SU)	10.00	10.01	22.38	± 0.1	GWMP
D.O. (%)	N/A	%99.6	22.07	± 10%	NA
ORP (mV)	228.0	226.3	22.78	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.0	± 10% of standard	EPA 2023
	100	100		
	800	803		
	10	9.89		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	5150		± 10% of standard	EPA 2023
pH (SU)	4.00	4.00		± 0.1	GWMP
pH (SU)	7.00	7.02		± 0.1	GWMP
pH (SU)	10.00	9.96		± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.8	± 10% of standard	EPA 2023
	100	99.1		
	800	798		
	10	9.8		

Notes:

Site Name: MCD

Field Instrumentation Calibration Form

Date: 9/10/25

Calibrated By: JS

Field Conditions: 80s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	SAY
Turbidity Meter	Hach 2100Q	

SAY = Same as yesterday

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	SAY	SAY	SAY
pH (SU)	4.00			
pH (SU)	7.00			
pH (SU)	10.00			
D.O. (%)	N/A			
ORP (mV)	228.0			

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4389	25.23	± 10% of standard	EPA 2023
pH (SU)	4.00	3.98	25.57	± 0.1	GWMP
pH (SU)	7.00	7.00	24.64	± 0.1	GWMP
pH (SU)	10.00	9.96	23.98	± 0.1	GWMP
D.O. (%)	N/A	101.8	23.09	± 10%	NA
ORP (mV)	228.0	225.7	13.17	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.7	± 10% of standard	EPA 2023
	100	99.3		
	800	847		
	10	9.76		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4328		± 10% of standard	EPA 2023
pH (SU)	4.00	3.99		± 0.1	GWMP
pH (SU)	7.00	6.99		± 0.1	GWMP
pH (SU)	10.00	10.01		± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.8	± 10% of standard	EPA 2023
	100	101		
	800	776		
	10	9.82		

Notes:

Site Name: Plant McD

Field Instrumentation Calibration Form

Calibrated By:

Date: 9/11/25

Field Conditions: Sunny 70F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1146056
Turbidity Meter	Hach 2100Q	22090226006

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	2401421K	01/26	APR
pH (SU)	4.00	2401421K		
pH (SU)	7.00	2401421K		
pH (SU)	10.00	2401537		
D.O. (%)	N/A			
ORP (mV)	228.0	2249102		

Calibration

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	21.71	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	21.79	± 0.1	GWMP
pH (SU)	7.00	7.02	22.06	± 0.1	GWMP
pH (SU)	10.00	10.05	22.43	± 0.1	GWMP
D.O. (%)	N/A	100%	22.36	± 10%	NA
ORP (mV)	228.0	228	22.64	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.59	± 10% of standard	EPA 2023
	20	20.3		
	100	99.7		
	800	796		

Calibration Check

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4399	29.78	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	30.12	± 0.1	GWMP
pH (SU)	7.00	7.02	31.02	± 0.1	GWMP
pH (SU)	10.00	10.05	31.14	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	40	9.8	± 10% of standard	EPA 2023
	20	20.7		
	100	101		
	800	798		

Notes:

Site Name: Dan Plant McDonough Pit — **Field Instrumentation Calibration Form**

Calibrated By: Daniel Howard

Date: 9/11/25

Field Conditions: Clear + Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	112005
Turbidity Meter	Hach 2100Q	24090D000073

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	1/26	
pH (SU)	4.00	24014218	↓	
pH (SU)	7.00	24014266		
pH (SU)	10.00	24011537		
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	2249016Z	1/26	

Calibration

Time Start: Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	22.11	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	22.58	± 0.1	GWMP
pH (SU)	7.00	7.00	22.80	± 0.1	GWMP
pH (SU)	10.00	10.00	22.54	± 0.1	GWMP
D.O. (%)	N/A	8.195	20.98	± 10%	NA
ORP (mV)	228.0	232.5	22.38	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.0	± 10% of standard	EPA 2023
	100	99.5		
	800	797		
	CK10	9.31		

Calibration Check

Time Start: 1530 Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4392	30.21	± 10% of standard	EPA 2023
pH (SU)	4.00	4.100	30.15	± 0.1	GWMP
pH (SU)	7.00	7.051	29.20	± 0.1	GWMP
pH (SU)	10.00	10.34 / 10.16	4.953 / 28.82	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20	± 10% of standard	EPA 2023
	100	99.3		
	800	778		
	CK10	9.16		

Notes:

Site Name: McDonough

Field Instrumentation Calibration Form

Calibrated By:

Date: 7/11/25

Field Conditions:

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1167968
Turbidity Meter	Hach 2100Q	231000000368

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014249	01/2026	AIP
pH (SU)	4.00	L		
pH (SU)	7.00			
pH (SU)	10.00	24014264		
D.O. (%)	N/A	24011537		
ORP (mV)	228.0	22490162		

Calibration

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4406	21.22	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	21.73	± 0.1	GWMP
pH (SU)	7.00	7.00	22.07	± 0.1	GWMP
pH (SU)	10.00	10.00	22.30	± 0.1	GWMP
D.O. (%)	N/A	98.00	19.32	± 10%	NA
ORP (mV)	228.0	232.3	22.26	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.0	± 10% of standard	EPA 2023
	100	100.6		
	800	798.0		
	10.0	9.58		

Calibration Check

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4501	32.35	± 10% of standard	EPA 2023
pH (SU)	4.00	4.028	32.99	± 0.1	GWMP
pH (SU)	7.00	7.010	32.98	± 0.1	GWMP
pH (SU)	10.00	9.996	30.41	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.69	± 10% of standard	EPA 2023
	20	20.1		
	100	999		
	800	791		

Notes:

...ration Form

Date: 9.11.25
LD clear

Site Name: MRP

Calibrated By: JS

Field Instrumentation Calibration Form

Date: 9/11/25

Field Conditions: 70s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	177581
Turbidity Meter	Hach 2100Q	594

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	594	594	594
pH (SU)	4.00			
pH (SU)	7.00			
D.O. (%)	10.00			
ORP (mV)	N/A			
	228.0			

Calibration

Time Start / Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4416	16.8	± 10% of standard	EPA 2023
pH (SU)	4.00	3.99	17.91	± 0.1	GWMP
pH (SU)	7.00	7.07	19.18	± 0.1	GWMP
D.O. (%)	10.00	10.05	19.81	± 0.1	GWMP
ORP (mV)	N/A	97.7	19.56	± 10%	GWMP
	228.0	232.4	20.00	± 10	NA

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	22.5	± 10% of standard	EPA 2023
	100	109		
	800	826		
	10	9.54		

Calibration Check

Time Start / Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4520	30.8	± 10% of standard	EPA 2023
pH (SU)	4.00	3.97		± 0.1	GWMP
pH (SU)	7.00	7.00		± 0.1	GWMP
	10.00	10.01		± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	19.8	± 10% of standard	EPA 2023
	100	99.1		
	800	789		
	10	9.8		

Notes:

Site Name: _____

Field Instrumentation Calibration Form

Date: 9.11.25

Calibrated By: _____

Field Conditions: 60 clear

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1152960
Turbidity Meter	Hach 2100Q	24040000303

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490			
pH (SU)	4.00			
pH (SU)	7.00			
pH (SU)	10.00			
D.O. (%)	N/A			
ORP (mV)	228.0			

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4525	21.79	± 10% of standard	EPA 2023
pH (SU)	4.00	4.029	21.80	± 0.1	GWMP
pH (SU)	7.00	7.038	22.13	± 0.1	GWMP
pH (SU)	10.00	10.03	22.24	± 0.1	GWMP
D.O. (%)	N/A	99.33	21.38	± 10%	NA
ORP (mV)	228.0	227.8	22.11	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.7	± 10% of standard	EPA 2023
	100	99.7		
	800	794		
	10	10		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4510	30.11	± 10% of standard	EPA 2023
pH (SU)	4.00	4.071	30.21	± 0.1	GWMP
pH (SU)	7.00	6.99	30.37	± 0.1	GWMP
pH (SU)	10.00	10.03	30.55	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	~~20~~	21.1	± 10% of standard	EPA 2023
	100	100		
	800	798		
	10	10.1		

Notes:

B - 120D / FD-6 /
DGWC - 2 / FB - 2 /
DGWC - 4 Extra rods
DGWC - 5 / FD - 2 /

Site Name: Plant MCD

Field Instrumentation Calibration Form

Date: 9/12/25

Field Conditions: Smy 80F

Calibrated By:

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1146036
Turbidity Meter	Hach 2100Q	22090D6C086

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01/26	AIR
pH (SU)	4.00	24014218		
pH (SU)	7.00	24014218		
pH (SU)	10.00	24011537		
D.O. (%)	N/A			
ORP (mV)	228.0	22490162		

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	24.21	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.12	± 0.1	GWMP
pH (SU)	7.00	7.00	24.37	± 0.1	GWMP
pH (SU)	10.00	10.00	25.03	± 0.1	GWMP
D.O. (%)	N/A	100%	22.77	± 10%	NA
ORP (mV)	228.0	228	24.52	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.8	± 10% of standard	EPA 2023
	20	20.5		
	100	98.9		
	800	802		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4486		± 10% of standard	EPA 2023
pH (SU)	4.00	4.02		± 0.1	GWMP
pH (SU)	7.00	7.05		± 0.1	GWMP
pH (SU)	10.00	10.01		± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.8	± 10% of standard	EPA 2023
	20	20.1		
	100	20 101		
	800	799		

Notes:

Field Instrumentation Calibration Form

Site Name: _____ Date: 9/12/25

Calibrated By: JJ Field Conditions: _____

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	SAX
Turbidity Meter	Hach 2100Q	

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	SAX		
pH (SU)	4.00			
pH (SU)	7.00			
pH (SU)	10.00			
D.O. (%)	N/A			
ORP (mV)	228.0			

Calibration

Time Start: _____ Time Finish: _____

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4575	18.71	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	18.71	± 0.1	GWMP
pH (SU)	7.00	6.96	20.52	± 0.1	GWMP
pH (SU)	10.00	10.11	21.34	± 0.1	GWMP
D.O. (%)	N/A	100.7	20.76	± 10%	NA
ORP (mV)	228.0	224.9	21.62	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	22.9	± 10% of standard	EPA 2023
	100	111		
	500	854		
	10	9.53		

Calibration Check

Time Start: _____ Time Finish: _____

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4590		± 10% of standard	EPA 2023
pH (SU)	4.00	3.93		± 0.1	GWMP
pH (SU)	7.00	7.03		± 0.1	GWMP
pH (SU)	10.00	10.02		± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.9	± 10% of standard	EPA 2023
	100	96		
	800	766		
	10	9.7		

Notes:

Field Instrumentation Calibration Form

Site Name: MCD

Date: 9.12.25

Calibrated By:

Field Conditions: 65 clear

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1167690
Turbidity Meter	Hach 2100Q	24090U000303

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	~~4502~~	01/26	MP
pH (SU)	4.00			
pH (SU)	7.00			
pH (SU)	10.00			
D.O. (%)	N/A			
ORP (mV)	228.0			

Calibration

Time Start: Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4492	22.72	± 10% of standard	EPA 2023
pH (SU)	4.00	4.024	22.85	± 0.1	GWMP
pH (SU)	7.00	7.007	23.32	± 0.1	GWMP
pH (SU)	10.00	10.01	23.54	± 0.1	GWMP
D.O. (%)	N/A	100.7	23.16	± 10%	NA
ORP (mV)	228.0	226	23.48	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	23	± 10% of standard	EPA 2023
	100	109		
	800	805		
	10	10.1		

Calibration Check

Time Start: Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4517	30.15	± 10% of standard	EPA 2023
pH (SU)	4.00	4.021	30.20	± 0.1	GWMP
pH (SU)	7.00	6.99	30.22	± 0.1	GWMP
pH (SU)	10.00	10.00	30.26	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	—	± 10% of standard	EPA 2023
	100	—		
	800	—		
	10	—		

Notes: Hach Froze

Field Instrumentation Calibration Form

Site Name: Plant McDonough

Date: 9/12/25

Calibrated By: Daniel Howard

Field Conditions: Clear + Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1120055
Turbidity Meter	Hach 2100Q	24090D000173

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	1/26	ATI Instru
pH (SU)	4.00	24014218	↓	↓
pH (SU)	7.00	24014260	↓	↓
pH (SU)	10.00	24014537	↓	↓
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	1/26	ATI Instru

Calibration

Time Start: 1000 Time Finish: 1030

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	25.19	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	25.46	± 0.1	GWMP
pH (SU)	7.00	7.00	25.92	± 0.1	GWMP
pH (SU)	10.00	10.00	26.02	± 0.1	GWMP
D.O. (%)	N/A	4.889	24.26	± 10%	NA
ORP (mV)	228.0	227.8	26.02	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.8	± 10% of standard	EPA 2023
	100	99.5		
	800	786		
	CK 10	9.26		

Calibration Check

Time Start: 1445 Time Finish: 1500

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4440	29.34	± 10% of standard	EPA 2023
pH (SU)	4.00	4.039	29.31	± 0.1	GWMP
pH (SU)	7.00	7.051	28.87	± 0.1	GWMP
pH (SU)	10.00	9.996	28.34	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.0	± 10% of standard	EPA 2023
	100	98.9		
	800	795		
	CK 10	9.30		

Notes:

Site Name: McDonough

Field Instrumentation Calibration Form

Calibrated By: Brad Bryan

Date: 9/12/25

Field Conditions:

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1167965
Turbidity Meter	Hach 2100Q	23100D000368

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01-2026	AIR
pH (SU)	4.00			
pH (SU)	7.00	24014266		
pH (SU)	10.00	24011937		
D.O. (%)	N/A			
ORP (mV)	228.0	22490162		

Calibration

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4512	23.01	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.05	± 0.1	GWMP
pH (SU)	7.00	7.00	23.27	± 0.1	GWMP
pH (SU)	10.00	10.00	23.23	± 0.1	GWMP
D.O. (%)	N/A	96.00	20.57	± 10%	NA
ORP (mV)	228.0	229.9	23.87	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.3	± 10% of standard	EPA 2023
	100	100		
	800	809		
	10	9.61		

Calibration Check

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4384	30.12	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	31.31	± 0.1	GWMP
pH (SU)	7.00	7.01	31.30	± 0.1	GWMP
pH (SU)	10.00	9.93	32.14	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	9.69	10	± 10% of standard	EPA 2023
	20.0	20		
	100	100		
	796	800		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant McDonough

Date: 9/15/25

Field Conditions: Clear + Sunny

Calibrated By: Daniel Howard

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1120055
Turbidity Meter	Hach 2100Q	24090000073

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	1/26	
pH (SU)	4.00	24014218	↓	
pH (SU)	7.00	24014266	↓	
pH (SU)	10.00	24011537	—	—
D.O. (%)	N/A		—	
ORP (mV)	228.0	22490162	1/26	

Calibration

Time Start: 0815 Time Finish: 0850

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	23.07	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.28	± 0.1	GWMP
pH (SU)	7.00	7.00	23.34	± 0.1	GWMP
pH (SU)	10.00	10.00	23.29	± 10%	NA
D.O. (%)	N/A	7.915	22.55	± 10	EPA 2023
ORP (mV)	228.0	228.0	22.93		

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	99.5		
	800	800		
	CK 10	9.26		

Calibration Check

Time Start: 1630 Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4330	31.14	± 10% of standard	EPA 2023
pH (SU)	4.00	4.092	34.26	± 0.1	GWMP
pH (SU)	7.00	7.045	24.83	± 0.1	GWMP
pH (SU)	10.00	9.943	28.23	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.0	± 10% of standard	EPA 2023
	100	99.9		
	800	785		
	CK 10	9.31		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant McD

Date: 9/15/25

Field Conditions: Sunny 70F

Calibrated By:

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1146036
Turbidity Meter	Hach 2100Q	22070[illegible]86

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01/26	YSI
pH (SU)	4.00	24014266		
pH (SU)	7.00	24011537		
pH (SU)	10.00			
D.O. (%)	N/A			
ORP (mV)	228.0	22490102		

Calibration

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	23.33	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.26	± 0.1	GWMP
pH (SU)	7.00	7.00	24.56	± 0.1	GWMP
pH (SU)	10.00	10.00	24.96	± 0.1	GWMP
D.O. (%)	N/A	100.7%	21.05	± 10%	NA
ORP (mV)	228.0	228	21.79	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10.3	± 10% of standard	EPA 2023
	20	19.5		
	100	102		
	800	794		

Calibration Check

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4387	31.02	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	31.48	± 0.1	GWMP
pH (SU)	7.00	7.01	32.19	± 0.1	GWMP
pH (SU)	10.00	10.02	33.24	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10.1	± 10% of standard	EPA 2023
	20	19.8		
	100	101		
	800	795		

Notes:

Field Instrumentation Calibration Form

Site Name: McDonough

Date: 9/15/25

Calibrated By: Brad Bryan

Field Conditions: Good Clear

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1167969
Turbidity Meter	Hach 2100Q	

Calibration Standard Information					
Parameter	Standard	Lot #	Date of Expiration	Brand	
Specific Conductance (µS/cm)	4,490	24614219	01/2026	AIR	
pH (SU)	4.00				
pH (SU)	7.00	20244226			
pH (SU)	10.00	24611537			
D.O. (%)	N/A				
ORP (mV)	228.0	22499162			

Calibration					
Time Start	Time Finish				
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4339	22.21	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	22.29	± 0.1	GWMP
pH (SU)	7.00	7.00	22.21	± 0.1	GWMP
pH (SU)	10.00	10.00	22.21	± 0.1	GWMP
D.O. (%)	N/A	102.3	21.6	± 10%	NA
ORP (mV)	228.0	232.2	22.17	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.7	± 10% of standard	EPA 2023
	100	99.5		
	800	794		
	10	9.07		

Calibration Check					
Time Start	Time Finish				
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4411	31.13	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	31.15	± 0.1	GWMP
pH (SU)	7.00	6.96	32.33	± 0.1	GWMP
pH (SU)	10.00	10.01	32.16	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.66	± 10% of standard	EPA 2023
	20	20.1		
	100	99		
	800	791		

Notes:

Site Name: MCD

Field Instrumentation Calibration Form

Date: 9/15/25

Calibrated By: J S

Field Conditions:

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	177581
Turbidity Meter	Hach 2100Q	22090000345

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	501 Y		
pH (SU)	4.00			
pH (SU)	7.00			
pH (SU)	10.00			
D.O. (%)	N/A			
ORP (mV)	228.0			

Calibration

Time Start: Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4020	20.53	± 10% of standard	EPA 2023
pH (SU)	4.00	4.08	21.00	± 0.1	GWMP
pH (SU)	7.00	7.05	20.87	± 0.1	GWMP
pH (SU)	10.00	10.14	21.07	± 0.1	GWMP
D.O. (%)	N/A	100.3	20.33	± 10%	NA
ORP (mV)	228.0	226.6	21.06	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	17.8	± 10% of standard	EPA 2023
	100	103		
	800	758		
	10	9.75		

Calibration Check

Time Start: Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4500	36.01	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	26.4	± 0.1	GWMP
pH (SU)	7.00	7.03	28.3	± 0.1	GWMP
pH (SU)	10.00	9.99	27.1	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.8	± 10% of standard	EPA 2023
	100	99		
	800	766		
	10	9.81		

Notes:

Site Name: McDonough

Field Instrumentation Calibration Form

Date: 9/10/25

Calibrated By: Brad Bryan

Field Conditions: _____

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1167958
Turbidity Meter	Hach 2100Q	23100D000368

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01/2026	YSI
pH (SU)	4.00			
pH (SU)	7.00	24014266		
pH (SU)	10.00	24011527		
D.O. (%)	N/A	—		
ORP (mV)	228.0	224a0162		

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4503	21.06	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	21.38	± 0.1	GWMP
pH (SU)	7.00	7.00	22.54	± 0.1	GWMP
pH (SU)	10.00	10.00	23.62	± 0.1	GWMP
D.O. (%)	N/A	94.86	19.16	± 10%	NA
ORP (mV)	228.0	231.1	23.14	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.0	± 10% of standard	EPA 2023
	100	101		
	800	804		
	10	9.69		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4465	29.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.056	29.12	± 0.1	GWMP
pH (SU)	7.00	6.998	28.99	± 0.1	GWMP
pH (SU)	10.00	9.968		± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.98	± 10% of standard	EPA 2023
	20	20.1		
	100	999		
	800	784		

Notes:

Site Name: Plant McD

Field Instrumentation Calibration Form

Date: 9/16/25

Calibrated By: EEA

Field Conditions: Sunny 65°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	
Turbidity Meter	Hach 2100Q	

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24C14218	8/1/26	Hach
pH (SU)	4.00	24C14218		
pH (SU)	7.00	24C14266		
pH (SU)	10.00	24C11537		
D.O. (%)	N/A	—		
ORP (mV)	228.0	22497162		

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	23.27	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	22.99	± 0.1	GWMP
pH (SU)	7.00	7.00	23.83	± 0.1	GWMP
pH (SU)	10.00	10.00	23.83	± 0.1	GWMP
D.O. (%)	N/A	100%	23.19	± 10%	NA
ORP (mV)	228.0	228	24.27	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.56	± 10% of standard	EPA 2023
	20	22.3		
	100	106		
	800	819		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4571	34.17	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	34.28	± 0.1	GWMP
pH (SU)	7.00	7.02	34.61	± 0.1	GWMP
pH (SU)	10.00	10.00	33.98	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.71	± 10% of standard	EPA 2023
	20	21.7		
	100	104		
	800	807		

Notes:

Field Instrumentation Calibration Form

Site Name: MCD

Date: 9.16.25

Calibrated By: Z. West

Field Conditions: 64 Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	167690
Turbidity Meter	Hach 2100Q	24090D000303

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01/26	A-R
pH (SU)	4.00	"	"	"
pH (SU)	7.00	24014266		
pH (SU)	10.00	24011537		
D.O. (%)	N/A	—		
ORP (mV)	228.0	23490162	"	"

Calibration

Time Start: Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4408	23.68	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	23.82	± 0.1	GWMP
pH (SU)	7.00	7.05	24.84	± 0.1	GWMP
pH (SU)	10.00	9.97	24.87	± 0.1	GWMP
D.O. (%)	N/A	110.3 %	23.45	± 10%	NA
ORP (mV)	228.0	229.2	24.39	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	17.8	± 10% of standard	EPA 2023
	100	93.4		
	800	780		
	10	9.97		

Calibration Check

Time Start: Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4509		± 10% of standard	EPA 2023
pH (SU)	4.00	4.01		± 0.1	GWMP
pH (SU)	7.00	6.99		± 0.1	GWMP
pH (SU)	10.00	10.03		± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.1	± 10% of standard	EPA 2023
	100	97.8		
	800	804		
	10	9.91		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant Mitchell

Date: 9/16/25

Calibrated By: Daniel Howard

Field Conditions: Clear & Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1120055
Turbidity Meter	Hach 2100Q	24070D000173

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	1/26	Atl Instru
pH (SU)	4.00	24014218	↓	↓
pH (SU)	7.00	24014260		
pH (SU)	10.00	24011537		
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	1/26	Atl Instru

Calibration

Time Start: Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	22.95	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.12	± 0.1	GWMP
pH (SU)	7.00	7.00	23.50	± 0.1	GWMP
pH (SU)	10.00	10.00	23.36	± 0.1	GWMP
D.O. (%)	N/A	8.00	22.23	± 10%	NA
ORP (mV)	228.0	228.0	23.80	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.3	± 10% of standard	EPA 2023
	100	100		
	800	799		
	CK 10	9.07		

Calibration Check

Time Start: 1420 Time Finish: 1433

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4411	29.42	± 10% of standard	EPA 2023
pH (SU)	4.00	4.088	29.40	± 0.1	GWMP
pH (SU)	7.00	7.081	28.27	± 0.1	GWMP
pH (SU)	10.00	9.981	27.24	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	98.4		
	800	781		
	CK 10	9.18		

Notes:

Field Instrumentation Calibration Form

Site Name: MCD

Date: 9/16/25

Calibrated By: JS

Field Conditions:

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	547
Turbidity Meter	Hach 2100Q	

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	5AY		
pH (SU)	4.00			
pH (SU)	7.00			
pH (SU)	10.00			
D.O. (%)	N/A			
ORP (mV)	228.0			

Calibration

Time Start: Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4995	18.36	± 10% of standard	EPA 2023
pH (SU)	4.00	3.98	18.34	± 0.1	GWMP
pH (SU)	7.00	7.01	20.0	± 0.1	GWMP
pH (SU)	10.00	9.99	21.22	± 0.1	GWMP
D.O. (%)	N/A	JJ 100.0 101.1	26.84	± 10%	NA
ORP (mV)	228.0	228.5	22.00	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	21.3	± 10% of standard	EPA 2023
	100	97.6		
	800	791		
	10	9.67		

Calibration Check

Time Start: Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4500	30	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03		± 0.1	GWMP
pH (SU)	7.00	7.05		± 0.1	GWMP
pH (SU)	10.00	9.91		± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	21.3	± 10% of standard	EPA 2023
	100	97.6		
	800	791		
	10	9.91		

Notes:

Site Name: Plant MCD

Field Instrumentation Calibration Form

Date: 9/17/25

Calibrated By:

Field Conditions: Sunny 60F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	114636
Turbidity Meter	Hach 2100Q	22080D000086

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014278	01/26	AIR
pH (SU)	4.00	24014218	↓	↓
pH (SU)	7.00	24014266		
pH (SU)	10.00	24011537		
D O (%)	N/A			
ORP (mV)	228.0	22490162		

Calibration

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.09	± 0.1	GWMP
pH (SU)	7.00	7.00	23.53	± 0.1	GWMP
pH (SU)	10.00	10.00	24.16	± 0.1	GWMP
D O (%)	N/A	100%	20.94	± 10%	NA
ORP (mV)	228.0	228	23.73	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.96	± 10% of standard	EPA 2023
	20	19.9		
	100	96.9		
	800	794		

Calibration Check

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4392	35.16	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	35.04	± 0.1	GWMP
pH (SU)	7.00	7.01	34.96	± 0.1	GWMP
pH (SU)	10.00	10.02	35.84	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.78	± 10% of standard	EPA 2023
	20	19.2		
	100	98.1		
	800	792		

Notes:

Field Instrumentation Calibration Form

Site Name: MCD

Date: 9/17/25

Field Conditions: 80s sunny

Calibrated By: JS

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	594
Turbidity Meter	Hach 2100Q	

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	594		
pH (SU)	4 00			
pH (SU)	7 00			
pH (SU)	10 00			
D O (%)	N/A			
ORP (mV)	228 0			

Calibration

Time Start: Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4445	27.12	± 10% of standard	EPA 2023
pH (SU)	4 00	4.05	50	± 0 1	GWMP
pH (SU)	7 00	6.88		± 0 1	GWMP
pH (SU)	10 00	9.97		± 0 1	GWMP
D O (%)	N/A	99.7%		± 10%	NA
ORP (mV)	228 0	221.3		± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	18.5	± 10% of standard	EPA 2023
	100	98.3		
	800	745		
	10	9.75		

Calibration Check

Time Start: Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4565	~30	± 10% of standard	EPA 2023
pH (SU)	4 00	4.07		± 0 1	GWMP
pH (SU)	7 00	6.98		± 0 1	GWMP
pH (SU)	10 00	9.99		± 0 1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.1	± 10% of standard	EPA 2023
	100	96		
	800	744		
	10	9.8		

Notes

Field Instrumentation Calibration Form

Site Name MCD

Date 9.17.25

Calibrated By

Field Conditions 64 Clear

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1157690
Turbidity Meter	Hach 2100Q	24090D000303

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4.490	24014218	01/26	AIR
pH (SU)	4 00	"	"	"
pH (SU)	7 00	24014266		
pH (SU)	10 00	24011537		
D O (%)	N/A	-		
ORP (mV)	228 0	22490162	"	"

Calibration

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4 490	4.535	23.68	± 10% of standard	EPA 2023
pH (SU)	4 00	4.012	23.70	± 0 1	GWMP
pH (SU)	7 00	6.97	24.20	± 0 1	GWMP
pH (SU)	10 00	10.01	24.60	± 0 1	GWMP
D O (%)	N/A	89 89%	22.96	± 10%	NA
ORP (mV)	228 0	227.3	24.53	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	94.7		
	800	802		
	10	9.97		

Calibration Check

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4.490	4.505		± 10% of standard	EPA 2023
pH (SU)	4 00	3.99		± 0.1	GWMP
pH (SU)	7 00	7.01		± 0.1	GWMP
pH (SU)	10 00	10.05		± 0 1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.1	± 10% of standard	EPA 2023
	100	99.5		
	800	804		
	10	10.0		

Notes

Field Instrumentation Calibration Form

Site Name: Plant McDonough

Date: 9/17/25

Calibrated By: Daniel Howard

Field Conditions: Clear + Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	620055
Turbidity Meter	Hach 2100Q	24090D000773

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4.490	24014218	1/26	APH Instrum
pH (SU)	4.00	24014215		
pH (SU)	7.00	24014266		
pH (SU)	10.00	24011537	—	—
D.O. (%)	N/A	—		
ORP (mV)	228.0	22490162	1/26	

Calibration

Time Start: Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4.490	4.490	22.89	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.30	± 0.1	GWMP
pH (SU)	7.00	7.00	23.47	± 0.1	GWMP
pH (SU)	10.00	10.00	23.57	± 0.1	GWMP
D.O. (%)	N/A	9.967	22.21	± 10%	NA
ORP (mV)	228.0	228.0	23.46	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.6	± 10% of standard	EPA 2023
	100	103		
	800	811		
	CK 10	9.88		

Calibration Check

Time Start: 1555 Time Finish:

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4.490	4.487	28.50	± 10% of standard	EPA 2023
pH (SU)	4.00	4.062	28.49	± 0.1	GWMP
pH (SU)	7.00	7.027	28.41	± 0.1	GWMP
pH (SU)	10.00	9.960	28.36	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.1	± 10% of standard	EPA 2023
	100	96.1		
	800	782		
	CK 10	9.90		

Notes:

Field Instrumentation Calibration Form

Site Name: McDonough

Date 7/17/25

Calibrated By: Brad Bryan

Field Conditions _____

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	116796
Turbidity Meter	Hach 2100Q	23100D000368

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4.490	24D14215	01/2026	NIR
pH (SU)	4 00	1		
pH (SU)	7 00	24D14266		
pH (SU)	10 00	24D11587		
D O (%)	N/A			
ORP (mV)	228 0	22490162		

Calibration

Time Start: _____ Time Finish: _____

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4.490	4.438	23.65	± 10% of standard	EPA 2023
pH (SU)	4 00	4.00	24.22	± 0 1	GWMP
pH (SU)	7 00	7.00	25.09	± 0 1	GWMP
pH (SU)	10 00	10.00	24.63	± 0 1	GWMP
D O (%)	N/A	106.2	21.85	± 10%	NA
ORP (mV)	228 0	224.7	24.72	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	99.7		
	800	802		
	10	9.79		

Calibration Check

Time Start: _____ Time Finish: _____

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4.490	4451	31.13	± 10% of standard	EPA 2023
pH (SU)	4 00	4.010	32.25	± 0 1	GWMP
pH (SU)	7 00	6.991	32.04	± 0 1	GWMP
pH (SU)	10 00	9.988	32.53	± 0 1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.69	± 10% of standard	EPA 2023
	20	20.2		
	100	101		
	800	~~788~~ 773		

Notes

Field Instrumentation Calibration Form

Site Name: Plant McDonough

Date: 9-18-25

Field Conditions: HOT - HUMID - CLEAR

Calibrated By: EVER GUILLEN

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1179231
Turbidity Meter	Hach 2100Q	230600000342

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	2401 4218		
pH (SU)	4.00	2401 4218		
pH (SU)	7.00	2401 4264		
pH (SU)	10.00	2401 1537		
D.O. (%)	N/A	—		
ORP (mV)	228.0	22490162		

Calibration

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4554	23.14	± 10% of standard	EPA 2023
pH (SU)	4.00	3.81	23.87	± 0.1	GWMP
pH (SU)	7.00	6.67	23.89	± 0.1	GWMP
pH (SU)	10.00	9.52	23.91	± 0.1	GWMP
D.O. (%)	N/A	7.907	21.75	± 10%	NA
ORP (mV)	228.0	230.5	24.03	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.3	± 10% of standard	EPA 2023
	100	98.3		
	800	809		
	10	10.0		

Calibration Check

Time Start 1410

Time Finish 1420

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4465	24.13	± 10% of standard	EPA 2023
pH (SU)	4.00	3.92	24.13	± 0.1	GWMP
pH (SU)	7.00	6.91	23.91	± 0.1	GWMP
pH (SU)	10.00	9.73	24.17	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.8	± 10% of standard	EPA 2023
	100	101		
	800	812		
	10	9.93		

Notes:

Site Name: MCD

Field Instrumentation Calibration Form

Calibrated By: Z. West

Date: 7.18.25

Field Conditions: 67 clear

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1167690
Turbidity Meter	Hach 2100Q	24090D009303

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490			
pH (SU)	4.00			
pH (SU)	7.00			
pH (SU)	10.00			
D.O. (%)	N/A			
ORP (mV)	228.0			

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,490	25.30	± 10% of standard	EPA 2023
pH (SU)	4.00	4.001	25.25	± 0.1	GWMP
pH (SU)	7.00	7.004	25.34	± 0.1	GWMP
pH (SU)	10.00	9.98	25.81	± 0.1	GWMP
D.O. (%)	N/A	99.63 %	24.45	± 10%	NA
ORP (mV)	228.0	225.4	25.43	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.0	± 10% of standard	EPA 2023
	100	98.2		
	800	793		
	10	9.98		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490			± 10% of standard	EPA 2023
pH (SU)	4.00			± 0.1	GWMP
pH (SU)	7.00			± 0.1	GWMP
pH (SU)	10.00			± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)			± 10% of standard	EPA 2023

Notes:

Site Name: Plant McD

Field Instrumentation Calibration Form

Date: 9/18/25

Calibrated By: ESD

Field Conditions:

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1146C36
Turbidity Meter	Hach 2100Q	22090D00086

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01/26	YSI
pH (SU)	4.00	24014218		
pH (SU)	7.00	24014206		
pH (SU)	10.00	24611537		
D.O. (%)	N/A			
ORP (mV)	228.0	22494104		

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	23.94	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.27	± 0.1	GWMP
pH (SU)	7.00	7.00	24.39	± 0.1	GWMP
pH (SU)	10.00	10.00	21.93	± 0.1	GWMP
D.O. (%)	N/A	100%	24.32	± 10%	NA
ORP (mV)	228.0	228		± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.7	± 10% of standard	EPA 2023
	20	22.8		
	100	114		
	800	820		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490			± 10% of standard	EPA 2023
pH (SU)	4.00			± 0.1	GWMP
pH (SU)	7.00			± 0.1	GWMP
pH (SU)	10.00			± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)			± 10% of standard	EPA 2023

Notes:

Field Instrumentation Calibration Form

Site Name: Plant McDonough

Date: 9/18/25

Calibrated By: Daniel Howard

Field Conditions: Partly sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	112005S
Turbidity Meter	Hach 2100Q	24080D00073

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	2401 9218	1/26	Atl Instru
pH (SU)	4.00	2401H218	↓	↓
pH (SU)	7.00	2410H266		
pH (SU)	10.00	2401H537	↓	
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	2490162	1/26	Atl Instru

Calibration

Time Start: 1000 Time Finish: 1030

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	26.28	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	26.29	± 0.1	GWMP
pH (SU)	7.00	7.00	25.66	± 0.1	GWMP
pH (SU)	10.00	10.00	25.42	± 0.1	GWMP
D.O. (%)	N/A	7.910	27.06	± 10%	NA
ORP (mV)	228.0	228	25.37	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.0	± 10% of standard	EPA 2023
	100	97.2		
	800	784		
	CK 10	9.74		

Calibration Check

Time Start: 1255 Time Finish: 1309

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4519	29.29	± 10% of standard	EPA 2023
pH (SU)	4.00	4.031	29.29	± 0.1	GWMP
pH (SU)	7.00	7.020	28.29	± 0.1	GWMP
pH (SU)	10.00	9.972	27.59	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.3	± 10% of standard	EPA 2023
	100	98.6		
	800	784		
	CK 10	9.96		

Notes:

Field Instrumentation Calibration Form

Site Name: McDonough

Date: 9/18/25

Calibrated By: Brad Bryan

Field Conditions:

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1167965
Turbidity Meter	Hach 2100Q	151000600368

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014219	01/2026	AIR
pH (SU)	4.00			
pH (SU)	7.00	24014266		
pH (SU)	10.00	24011537		
D.O. (%)	N/A	—		
ORP (mV)	228.0	22490162		

Calibration

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4468	26.24	± 10% of standard	EPA 2023
pH (SU)	4.00	4.0	26.29	± 0.1	GWMP
pH (SU)	7.00	7.0	26.18	± 0.1	GWMP
pH (SU)	10.00	10.0	25.88	± 0.1	GWMP
D.O (%)	N/A	103.4	25.50	± 10%	NA
ORP (mV)	228.0	228-3	25.79	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.3	± 10% of standard	EPA 2023
	100	99.7		
	800	788		
	10	9.56		

Calibration Check

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4403	31.98	± 10% of standard	EPA 2023
pH (SU)	4.00	4.010	32.00	± 0.1	GWMP
pH (SU)	7.00	7.004	32.29	± 0.1	GWMP
pH (SU)	10.00	10.021	32.15	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.73	± 10% of standard	EPA 2023
	20	20.1		
	100	103		
	800	778		

Notes:

Field Instrumentation Calibration Form

Site Name: MCD

Date: 9/18/25

Field Conditions:

Calibrated By:

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	597
Turbidity Meter	Hach 2100Q	

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	5a1		
pH (SU)	4.00			
pH (SU)	7.00			
pH (SU)	10.00			
D.O. (%)	N/A			
ORP (mV)	228.0			

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4571	22.99	± 10% of standard	EPA 2023
pH (SU)	4.00	3.99	22.07	± 0.1	GWMP
pH (SU)	7.00	7.035	23.63	± 0.1	GWMP
pH (SU)	10.00	9.99	24.03	± 0.1	GWMP
D.O. (%)	N/A	101.0	24.61	± 10%	NA
ORP (mV)	228.0	228	24.44	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	99.9		
	800	820		
	0			

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490			± 10% of standard	EPA 2023
pH (SU)	4.00			± 0.1	GWMP
pH (SU)	7.00			± 0.1	GWMP
pH (SU)	10.00			± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)			± 10% of standard	EPA 2023

Notes: 1 well sampled

AP-234 week 1 bottle set

Field iron

APPENDIX A

Instrument Calibration Records
October 2025

Site Name: MCD

Field Instrumentation Calibration Form

Date: _____

Calibrated By: JJ

Field Conditions: _____

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	465586
Turbidity Meter	Hach 2100Q	

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	1/26	AIR
pH (SU)	4.00			
pH (SU)	7.00			
pH (SU)	10.00			
D.O. (%)	N/A			
ORP (mV)	228.0			

Calibration

Time Start: _____ Time Finish: _____

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4293	14.98	± 10% of standard	EPA 2023
pH (SU)	4.00	4.088	15.32	± 0.1	GWMP
pH (SU)	7.00	7.079	15.66	± 0.1	GWMP
pH (SU)	10.00	10.05	15.38	± 0.1	GWMP
D.O. (%)	N/A	88.9	13.99	± 10%	NA
ORP (mV)	228.0	232.7	15.56	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	21	± 10% of standard	EPA 2023
	100	103		
	800	818		
	10	9.78		

Calibration Check

Time Start: _____ Time Finish: _____

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490			± 10% of standard	EPA 2023
pH (SU)	4.00			± 0.1	GWMP
pH (SU)	7.00			± 0.1	GWMP
pH (SU)	10.00			± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)			± 10% of standard	EPA 2023

Notes:

Site Name _____ **Field Instrumentation Calibration Form** Date 10/22/25

Calibrated By: _____ Field Conditions _____

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	509
Turbidity Meter	Hach 2100Q	1

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	509		
pH (SU)	4.00			
pH (SU)	7.00			
pH (SU)	10.00			
D.O. (%)	N/A			
ORP (mV)	228.0			

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4296	17.95	± 10% of standard	EPA 2023
pH (SU)	4.00	4.032	18.07	± 0.1	GWMP
pH (SU)	7.00	7.103	18.10	± 0.1	GWMP
pH (SU)	10.00	10.12	18.15	± 0.1	GWMP
D.O. (%)	N/A	104.6	18.35	± 10%	NA
ORP (mV)	228.0	220.7	18.3	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	21.3	± 10% of standard	EPA 2023
	100	102		
	800	795		
	10	10.01		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490			± 10% of standard	EPA 2023
pH (SU)	4.00			± 0.1	GWMP
pH (SU)	7.00			± 0.1	GWMP
pH (SU)	10.00			± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)			± 10% of standard	EPA 2023

Notes:

Site Name MW-D

Field Instrumentation Calibration Form

Date 10.31.25

Calibrated By

Field Conditions 46 clear

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1070300
Turbidity Meter	Hach 2100Q	231000000388

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490			
pH (SU)	4.00			
pH (SU)	7.00			
pH (SU)	10.00			
D.O. (%)	N/A			
ORP (mV)	228.0			

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,585	15.93	± 10% of standard	EPA 2023
pH (SU)	4.00	4.106	16.26	± 0.1	GWMP
pH (SU)	7.00	7.146	17.03	± 0.1	GWMP
pH (SU)	10.00	10.15	17.13	± 0.1	GWMP
D.O. (%)	N/A	97.4%	15.38	± 10%	NA
ORP (mV)	228.0	229.5	16.73	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	~~20~~	20.3	± 10% of standard	EPA 2023
	100	99.2		
	800	~~727~~ 753		
	10	9.46		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490			± 10% of standard	EPA 2023
pH (SU)	4.00			± 0.1	GWMP
pH (SU)	7.00			± 0.1	GWMP
pH (SU)	10.00			± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)			± 10% of standard	EPA 2023

Notes:

Site Name MCP

Field Instrumentation Calibration Form

Date: 10.22.25

Calibrated By: Z. West

Field Conditions: 56 Clear

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1080300
Turbidity Meter	Hach 2100Q	23100P000388

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24041650	09/2026	
pH (SU)	4.00	↓	↓	
pH (SU)	7.00	24031711	09/2026	AIR
pH (SU)	10.00	24022784	09/2026	
D.O. (%)	N/A	—	—	
ORP (mV)	228.0	24020598	09/2026	

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4378	17.14	± 10% of standard	EPA 2023
pH (SU)	4.00	4.21	17.22	± 0.1	GWMP
pH (SU)	7.00	7.196	17.27	± 0.1	GWMP
pH (SU)	10.00	10.23	17.36	± 0.1	GWMP
D.O. (%)	N/A	102%	16.49	± 10%	NA
ORP (mV)	228.0	225.3	17.56	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.3	± 10% of standard	EPA 2023
	100	94.9		
	800	857		
	10	9.76		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490			± 10% of standard	EPA 2023
pH (SU)	4.00			± 0.1	GWMP
pH (SU)	7.00			± 0.1	GWMP
pH (SU)	10.00			± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)			± 10% of standard	EPA 2023

Notes:

Site Name: Plant MCD

Field Instrumentation Calibration Form

Date: 10/28/25

Field Conditions: Cold, Cloudy, 53°

Calibrated By:

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AQUAread 400	1120055
Turbidity Meter	HACH	231000000373

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	↑	↑	Air
pH (SU)	4.00	24021050	09/2026	↓
pH (SU)	7.00	24021711	09/2026	
pH (SU)	10.00	24022784	09/2026	
D.O. (%)	N/A			
ORP (mV)	228.0	24020598	09/2026	

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4150	14.27	± 10% of standard	EPA 2023
pH (SU)	4.00	4.07	14.69	± 0.1	GWMP
pH (SU)	7.00	7.05	14.47	± 0.1	GWMP
pH (SU)	10.00	10.10	14.43	± 0.1	GWMP
D.O. (%)	N/A	122.1 %	14.78	± 10%	NA
ORP (mV)	228.0	236.1	14.84	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.87	22.20 ± 10% of standard	EPA 2023
	20	~~22.90~~ 22.20		
	100	104		
	800	790		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4138	14.30	± 10% of standard	EPA 2023
pH (SU)	4.00	4.09	14.75	± 0.1	GWMP
pH (SU)	7.00	7.07	14.63	± 0.1	GWMP
pH (SU)	10.00	10.07	14.58	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.95	± 10% of standard	EPA 2023
	20	21.70		
	100	103		
	800	795		

Notes:

APPENDIX B

Analytical Results, Data Validation Summary and Laboratory Accreditation

APPENDIX B

Analytical Results September 2025

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 02, 2025

Joju Abraham
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Plant McD AP-1 Assessment-RADs
Pace Project No.: 92817567

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 10, 2025 and September 18, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, WSP
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc - Atlanta

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Plant McD AP-1 Assessment-RADs
Pace Project No.: 92817567

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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SAMPLE SUMMARY

Project: Plant McD AP-1 Assessment-RADs
Pace Project No.: 92817567

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92817567001	**MCD-B-112D**	Water	09/09/25 11:13	09/10/25 09:45
92817567002	**MCD-B-105D**	Water	09/17/25 09:53	09/18/25 09:35

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-1 Assessment-RADs
Pace Project No.: 92817567

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92817567001	**MCD-B-112D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92817567002	**MCD-B-105D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Assessment-RADs
Pace Project No.: 92817567

Sample: MCD-B-112D **Lab ID: 92817567001** Collected: 09/09/25 11:13 Received: 09/10/25 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.112U ± 0.118 (0.236) C:86% T:NA**	pCi/L	09/30/25 09:50	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.510U ± 0.338 (0.640) C:81% T:95%**	pCi/L	09/24/25 16:09	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.622U ± 0.456 (0.876)**	pCi/L	09/30/25 14:39	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Assessment-RADs
Pace Project No.: 92817567

Sample: MCD-B-105D **Lab ID: 92817567002** Collected: 09/17/25 09:53 Received: 09/18/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.976 ± 0.329 (0.310) C:73% T:NA**	pCi/L	10/02/25 08:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**2.11 ± 0.675 (0.908) C:67% T:91%**	pCi/L	09/29/25 15:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**3.09 ± 1.00 (1.22)**	pCi/L	10/02/25 14:05	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-1 Assessment-RADs
Pace Project No.: 92817567

QC Batch: 772402
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92817567002

METHOD BLANK: 3765860
Matrix: Water
Associated Lab Samples: 92817567002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.0645 ± 0.301 (0.691) C:68% T:91%	pCi/L	09/29/25 15:12	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-1 Assessment-RADs
Pace Project No.: 92817567

QC Batch: 772401
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92817567002

METHOD BLANK: 3765859
Matrix: Water
Associated Lab Samples: 92817567002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0584 ± 0.127 (0.297) C:93% T:NA	pCi/L	10/02/25 08:23	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-1 Assessment-RADs
Pace Project No.: 92817567

QC Batch: 771119
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92817567001

METHOD BLANK: 3759479
Matrix: Water
Associated Lab Samples: 92817567001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.00147 ± 0.131 (0.337) C:92% T:NA	pCi/L	09/30/25 08:18	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-1 Assessment-RADs
Pace Project No.: 92817567

QC Batch: 771231
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92817567001

METHOD BLANK: 3759937 Matrix: Water
Associated Lab Samples: 92817567001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.711 ± 1.15 (2.49) C:81% T:27%	pCi/L	09/24/25 16:08	1g

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QUALIFIERS

Project: Plant McD AP-1 Assessment-RADs
Pace Project No.: 92817567

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92817567

[1]	WSP
[2]	DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

ANALYTE QUALIFIERS

1g	A portion of the method blank was lost during analysis resutling in a lower than routine Ba-133 yield. The low yield increases the MDC. Project samples are not similarly affected.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-1 Assessment-RADs
Pace Project No.: 92817567

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92817567001	**MCD-B-112D**	EPA 9315	771119		
92817567002	**MCD-B-105D**	EPA 9315	772401		
92817567001	**MCD-B-112D**	EPA 9320	771231		
92817567002	**MCD-B-105D**	EPA 9320	772402		
92817567001	**MCD-B-112D**	Total Radium Calculation	774165		
92817567002	**MCD-B-105D**	Total Radium Calculation	774748		

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: CA Power

Project #:

WO# : 92817567

92817567

Courier: ☑ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other:

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 9/10/25 ow

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:

☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.0 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 2.0

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

Page 1 of 2

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92817567

PM: BV Due Date: 10/01/25

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one) Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH >9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

1 Of 1

Section A — Required Client Information:

Company:	Georgia Power - Coal Combustion Residuals
Address:	2480 Maner Road
	Atlanta, GA 30339
Email:	JABRAHAM@SOUTHERNCO.COM
Phone:	(470) 620-6176
Fax:	
Requested Due Date:	10 Day TAT

Section B — Required Project Information:

Report To:	Joju Abraham
Copy To:	WSP
Purchase Order #:	
Project Name:	Plant McD AP-1 Assessment
Project #:	31406440.McD23

Section C — Invoice Information:

Attention:	scsinvoices@southernco.com
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	

Regulatory Agency:

State / Location: GA

Task Code = MCD-CCR-ASSMT-2025S2

SAMPLE ID — One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate — YCS	Na2S2O3	Methanol	Other	Analyses Test: Y/N	App III/IV metals* + Mg, Na, K, Fe	Cl, F, SO4	Radium 9315/9320	TDS	Alkalinity	Residual Chlorine (Y/N)	
																Requested Analysis Filtered (Y/N)	N	N	N	N	N	N	
2	MCD-B-112D	WG	G	9/9/25	11:13		8	3		4							X	X	X	X	X		92617552
4																							92
5																							
6																							
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ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE
Task Code = MCD-CCR-ASSMT-2025S2	Jacob Stucky	9/10/25	0833	G. Sumner	9-10-25
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl				9/10/25 0943	

DATE Signed:

SAMPLE CONDITIONS			
TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: CA Power

Project #:

Courier: ☑ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other:

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 9/18/25 dw

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.7 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.7

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation Vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Georgia Power - Coal Combustion Residuals	Report To:	Joju Abraham	Attention:	scsinvoices@southernco.com
Address:	2480 Maner Road	Copy To:	WSP	Company Name:	
	Atlanta, GA 30339			Address:	
Email:	JABRAHAM@SOUTHERNCO.COM	Purchase Order #:		Pace Quote:	
Phone:	(470) 620-6176 Fax	Project Name:	Plant McD AP-1 Assessment	Pace Project Manager:	Bonnie Vang
Requested Due Date:	10 Day TAT	Project #:	31406440.McD23	Pace Profile #:	

Regulatory Agency

State / Location: GA

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

Requested Analysis Filtered (Y/N)

Task Code = MCD-CCR-ASSMT-2025S2

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Analyses Test Y/N	App III/IV metals* + Mg, Na, K, Fe	Cl, F, SO4	Radium 9315/9320	TDS	Alkalinity				Residual Chlorine (Y/N)	92817567
																Y/N	N	N	N	N	N	N			
1	MCD-B-105D	WG	G	9/17/25	9:53		7	3		4							X	X	X	X	X					002
2																										
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9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE
Task Code = MCD-CCR-ASSMT-2025S2	Jacob Stucky	9/18/25	0830		9/18/25
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl				9/18/25 0935	

DATE Signed:

SAMPLE CONDITIONS			
TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Quality Control Sample Performance Assessment

Pace Analytical
www.pacelabs.com

Test:	Ra-228
Analyst:	VAL
Date:	9/19/2025
Worklist:	87104
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3759937
MB concentration:	0.711
M/B 2 Sigma CSU:	1.145
MB MDC:	2.486
MB Numerical Performance Indicator:	1.22
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS87104	LCSD87104
Count Date:	9/24/2025	9/24/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.185	31.185
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.822	0.819
Target Conc. (pCi/L, g, F):	3.794	3.808
Uncertainty (Calculated):	0.186	0.187
Result (pCi/L, g, F):	2.790	3.365
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.684	0.805
Numerical Performance Indicator:	-2.78	-1.05
Percent Recovery:	73.54%	88.36%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS87104	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD87104	
Sample Result (pCi/L, g, F):	2.790	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.684	
Sample Duplicate Result (pCi/L, g, F):	3.365	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.805	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-1.066	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	18.30%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

9/19/25

CT 9-26-25

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-228
Analyst:	JJS1
Date:	9/26/2025
Worklist:	87196
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3765860
MB concentration:	0.065
M/B 2 Sigma CSU:	0.301
MB MDC:	0.691
MB Numerical Performance Indicator:	0.42
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS87196	LCSD87196
Count Date:	9/29/2025	9/29/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.134	31.134
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.823	0.817
Target Conc. (pCi/L, g, F):	3.782	3.809
Uncertainty (Calculated):	0.185	0.187
Result (pCi/L, g, F):	3.645	3.369
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.921	0.880
Numerical Performance Indicator:	-0.29	-0.96
Percent Recovery:	96.38%	88.44%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Duplicate Sample Assessment		
Sample I.D.:	LCS87196	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD87196	
Sample Result (pCi/L, g, F):	3.645	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.921	
Sample Duplicate Result (pCi/L, g, F):	3.369	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.880	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.425	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	8.59%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

LTL
9/30/25

JJS 9/30/25

Quality Control Sample Performance Assessment

Pace Analytical
www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	9/23/2025
Worklist:	87092
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3759479
MB concentration:	0.001
M/B 2 Sigma CSU:	0.131
MB MDC:	0.337
MB Numerical Performance Indicator:	0.02
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS87092	**LCSD87092**
Count Date:	9/30/2025	9/30/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.008	25.008
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.512	0.510
Target Conc. (pCi/L, g, F):	4.882	4.899
Uncertainty (Calculated):	0.229	0.230
Result (pCi/L, g, F):	5.211	4.830
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.949	0.882
Numerical Performance Indicator:	0.66	-0.15
Percent Recovery:	106.75%	98.59%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS87092	92817561009
Duplicate Sample I.D.	LCSD87092	92817561009DUP
Sample Result (pCi/L, g, F):	5.211	0.343
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.949	0.181
Sample Duplicate Result (pCi/L, g, F):	4.830	0.406
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.882	0.204
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	0.577	-0.454
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	7.95%	16.87%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

CT 9-30-25

VAM 9/30/25

Quality Control Sample Performance Assessment

Pace Analytical™
www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	9/26/2025
Worklist:	87195
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3765859
MB concentration:	0.058
M/B 2 Sigma CSU:	0.127
MB MDC:	0.297
MB Numerical Performance Indicator:	0.90
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS87195	LCSD87195
Count Date:	10/2/2025	10/2/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.008	25.008
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.504	0.507
Target Conc. (pCi/L, g, F):	4.963	4.928
Uncertainty (Calculated):	0.233	0.232
Result (pCi/L, g, F):	4.330	5.362
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.826	0.973
Numerical Performance Indicator:	-1.45	0.85
Percent Recovery:	87.23%	108.81%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS87195	92817567002
Duplicate Sample I.D.	LCSD87195	92817567002DUP
Sample Result (pCi/L, g, F):	4.330	0.976
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.826	0.329
Sample Duplicate Result (pCi/L, g, F):	5.362	0.745
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.973	0.272
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-1.586	1.062
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	22.01%	26.85%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

VAM 10/2/25

CT 10-2-25

Pace Analytical Services, LLC
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(704)875-9092

October 20, 2025

Joju Abraham
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 10, 2025 and September 18, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, WSP
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc - Atlanta

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CERTIFICATIONS

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

Pace Analytical Services National
12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia
106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

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SAMPLE SUMMARY

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92817556001	**MCD-B-112D**	Water	09/09/25 11:13	09/10/25 09:45
92817556002	**MCD-B-105D**	Water	09/17/25 09:53	09/18/25 09:35

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92817556001	**MCD-B-112D**	EPA 6020B	JDB	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	CBP	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92817556002	**MCD-B-105D**	EPA 6020B	JPD	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

Sample: MCD-B-112D **Lab ID: 92817556001** Collected: 09/09/25 11:13 Received: 09/10/25 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00420**	mg/L	0.00200	0.000600	1	09/15/25 10:38	10/06/25 13:34	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**110**	mg/L	5.0	5.0	1		09/17/25 03:33		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/17/25 03:33		
Alkalinity, Total as CaCO3	**110**	mg/L	5.0	5.0	1		09/17/25 03:33		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**156**	mg/L	25.0	25.0	1		09/16/25 18:33		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.0**	mg/L	1.0	0.60	1		09/11/25 11:23	16887-00-6	
Fluoride	**0.30**	mg/L	0.10	0.050	1		09/11/25 11:23	16984-48-8	
Sulfate	**14.4**	mg/L	1.0	0.50	1		09/11/25 11:23	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/17/25 01:52	09/25/25 16:34	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/17/25 01:52	09/25/25 16:34	7440-38-2	
Barium	**0.0030J**	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 16:34	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/17/25 01:52	09/25/25 16:34	7440-41-7	
Boron	**0.26**	mg/L	0.040	0.0062	1	09/17/25 01:52	09/25/25 16:34	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/17/25 01:52	09/25/25 16:34	7440-43-9	
Calcium	**20.8**	mg/L	0.40	0.10	1	09/17/25 01:52	09/25/25 16:34	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 16:34	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 16:34	7440-48-4	
Iron	**0.046**	mg/L	0.040	0.012	1	09/17/25 01:52	09/25/25 16:34	7439-89-6	
Lead	**0.0021**	mg/L	0.0010	0.00025	1	09/17/25 01:52	09/25/25 16:34	7439-92-1	
Magnesium	**7.1**	mg/L	0.050	0.010	1	09/17/25 01:52	09/25/25 16:34	7439-95-4	
Molybdenum	**0.025**	mg/L	0.010	0.0025	1	09/17/25 01:52	09/25/25 16:34	7439-98-7	
Potassium	**2.7**	mg/L	0.40	0.10	1	09/17/25 01:52	09/25/25 16:34	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 16:34	7782-49-2	
Sodium	**12.9**	mg/L	0.40	0.15	1	09/17/25 01:52	09/25/25 16:34	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/17/25 01:52	09/25/25 16:34	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/11/25 19:38	09/12/25 02:46	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

Sample: MCD-B-105D **Lab ID: 92817556002** Collected: 09/17/25 09:53 Received: 09/18/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0125**	mg/L	0.00200	0.000600	1	09/24/25 17:15	10/17/25 10:48	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**33.2**	mg/L	5.0	5.0	1		09/19/25 22:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/19/25 22:20		
Alkalinity, Total as CaCO3	**33.2**	mg/L	5.0	5.0	1		09/19/25 22:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**464**	mg/L	25.0	25.0	1		09/24/25 16:37		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**13.2**	mg/L	1.0	0.60	1		09/19/25 09:51	16887-00-6	
Fluoride	**0.058J**	mg/L	0.10	0.050	1		09/19/25 09:51	16984-48-8	
Sulfate	**225**	mg/L	5.0	2.5	5		09/19/25 17:57	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/21/25 13:55	10/01/25 14:58	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/21/25 13:55	10/01/25 14:58	7440-38-2	
Barium	**0.031**	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 14:58	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/21/25 13:55	10/01/25 14:58	7440-41-7	
Boron	**0.85**	mg/L	0.20	0.031	5	09/21/25 13:55	10/02/25 13:17	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/21/25 13:55	10/01/25 14:58	7440-43-9	
Calcium	**62.0**	mg/L	2.0	0.50	5	09/21/25 13:55	10/02/25 13:17	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 14:58	7440-47-3	
Cobalt	**0.0037J**	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 14:58	7440-48-4	
Iron	**1.2**	mg/L	0.040	0.012	1	09/21/25 13:55	10/01/25 14:58	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/21/25 13:55	10/01/25 14:58	7439-92-1	
Magnesium	**21.4**	mg/L	0.050	0.010	1	09/21/25 13:55	10/01/25 14:58	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	09/21/25 13:55	10/01/25 14:58	7439-98-7	
Potassium	**7.2**	mg/L	0.40	0.10	1	09/21/25 13:55	10/01/25 14:58	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 14:58	7782-49-2	
Sodium	**18.0**	mg/L	0.40	0.15	1	09/21/25 13:55	10/01/25 14:58	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/21/25 13:55	10/01/25 14:58	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/19/25 17:33	09/20/25 01:20	7439-97-6	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

QC Batch: 2600257
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92817556001

METHOD BLANK: R4283311-1 Matrix: Water
Associated Lab Samples: 92817556001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	10/06/25 11:57	

LABORATORY CONTROL SAMPLE: R4283311-7

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0526	105	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4283311-4 R4283311-5

Parameter	Units	L1897105-05 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.0645	0.0500	0.0500	0.111	0.112	93.6	95.7	75.0-125	0.969	20	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

QC Batch: 2606875
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92817556002

METHOD BLANK: R4288444-1 Matrix: Water
Associated Lab Samples: 92817556002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	10/17/25 10:26	

LABORATORY CONTROL SAMPLE: R4288444-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0473	94.5	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4288444-4 R4288444-5

Parameter	Units	L1900866-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.0140	0.0500	0.0500	0.0602	0.0604	92.4	92.8	75.0-125	0.308	20	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

QC Batch: 960673
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817556001

METHOD BLANK: 4936735 Matrix: Water
Associated Lab Samples: 92817556001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	09/17/25 02:12	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	09/17/25 02:12	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	09/17/25 02:12	

LABORATORY CONTROL SAMPLE: 4936736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.0	102	80-120	

LABORATORY CONTROL SAMPLE: 4936737

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.5	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4936738 4936739

Parameter	Units	92817554001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	87.8	50	50	136	136	96	96	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4936740 4936741

Parameter	Units	92817554002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	206	50	50	250	250	87	87	80-120	0	25	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

QC Batch: 961560
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817556002

METHOD BLANK: 4941971 Matrix: Water
Associated Lab Samples: 92817556002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	09/19/25 19:19	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	09/19/25 19:19	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	09/19/25 19:19	

LABORATORY CONTROL SAMPLE: 4941972

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.1	102	80-120	

LABORATORY CONTROL SAMPLE: 4941973

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.1	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4941974 4941975

Parameter	Units	92818801001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	24.8	50	50	53.3	53.7	57	58	80-120	1	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4941976 4941977

Parameter	Units	92818801003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	36.9	50	50	66.9	65.7	60	58	80-120	2	25	M1

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

QC Batch: 960355
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817556001

METHOD BLANK: 4935056 Matrix: Water
Associated Lab Samples: 92817556001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	09/16/25 18:31	

LABORATORY CONTROL SAMPLE: 4935057

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	250	100	90-110	

SAMPLE DUPLICATE: 4935058

Parameter	Units	92817469002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	299	303	1	25	

SAMPLE DUPLICATE: 4935059

Parameter	Units	92817541007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	440	437	1	25	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

QC Batch: 962156
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817556002

METHOD BLANK: 4944556 Matrix: Water
Associated Lab Samples: 92817556002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	09/24/25 16:35	

LABORATORY CONTROL SAMPLE: 4944557

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	264	106	90-110	

SAMPLE DUPLICATE: 4944558

Parameter	Units	92818893007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1310	1300	1	25	

SAMPLE DUPLICATE: 4944559

Parameter	Units	92819082023 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

QC Batch: 959452
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817556001

METHOD BLANK: 4930689 Matrix: Water
Associated Lab Samples: 92817556001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/10/25 22:12	
Fluoride	mg/L	ND	0.10	0.050	09/10/25 22:12	
Sulfate	mg/L	ND	1.0	0.50	09/10/25 22:12	

LABORATORY CONTROL SAMPLE: 4930690

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.3	103	90-110	
Fluoride	mg/L	2.5	2.7	109	90-110	
Sulfate	mg/L	50	51.2	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4930691 4930692

Parameter	Units	92817575001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.5	50	50	55.4	55.6	90	90	90-110	0	10	
Fluoride	mg/L	0.48J	2.5	2.5	3.0	3.3	101	113	90-110	10	10	M1
Sulfate	mg/L	2890	50	50	3030	3080	291	385	90-110	2	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4930693 4930694

Parameter	Units	92817541007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	6.1	50	50	56.3	57.8	100	103	90-110	3	10	
Fluoride	mg/L	0.14	2.5	2.5	2.8	2.8	104	107	90-110	2	10	
Sulfate	mg/L	226	50	50	260	262	70	73	90-110	1	10	M1

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

QC Batch: 961237
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817556002

METHOD BLANK: 4939823 Matrix: Water
Associated Lab Samples: 92817556002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/18/25 21:27	
Fluoride	mg/L	ND	0.10	0.050	09/18/25 21:27	
Sulfate	mg/L	ND	1.0	0.50	09/18/25 21:27	

LABORATORY CONTROL SAMPLE: 4939824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.3	101	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	49.8	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4939825 4939826

Parameter	Units	92819032001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	5.3	50	50	55.1	55.8	100	101	90-110	1	10	
Fluoride	mg/L	0.23	2.5	2.5	2.9	2.9	105	106	90-110	0	10	
Sulfate	mg/L	204	50	50	245	243	84	78	90-110	1	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4939827 4939828

Parameter	Units	92819082003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	54.6	55.5	99	101	90-110	2	10	
Fluoride	mg/L	0.11	2.5	2.5	2.5	2.6	97	100	90-110	2	10	
Sulfate	mg/L	390	50	50	432	431	85	82	90-110	0	10	M1

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

QC Batch: 960249
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92817556001

METHOD BLANK: 4934667 Matrix: Water
Associated Lab Samples: 92817556001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	09/25/25 15:26	
Arsenic	mg/L	ND	0.0020	0.0012	09/25/25 15:26	
Barium	mg/L	ND	0.0050	0.0012	09/25/25 15:26	
Beryllium	mg/L	ND	0.00040	0.00015	09/25/25 15:26	
Boron	mg/L	ND	0.040	0.0062	09/25/25 15:26	
Cadmium	mg/L	ND	0.00050	0.00012	09/25/25 15:26	
Calcium	mg/L	ND	0.40	0.10	09/25/25 15:26	
Chromium	mg/L	ND	0.0050	0.0012	09/25/25 15:26	
Cobalt	mg/L	ND	0.0050	0.0012	09/25/25 15:26	
Iron	mg/L	ND	0.040	0.012	09/25/25 15:26	
Lead	mg/L	ND	0.0010	0.00025	09/25/25 15:26	
Magnesium	mg/L	ND	0.050	0.010	09/25/25 15:26	
Molybdenum	mg/L	ND	0.010	0.0025	09/25/25 15:26	
Potassium	mg/L	ND	0.40	0.10	09/25/25 15:26	
Selenium	mg/L	ND	0.0050	0.0012	09/25/25 15:26	
Sodium	mg/L	ND	0.40	0.15	09/25/25 15:26	
Thallium	mg/L	ND	0.00050	0.00015	09/25/25 15:26	

LABORATORY CONTROL SAMPLE: 4934668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.091	91	80-120	
Arsenic	mg/L	0.1	0.092	92	80-120	
Barium	mg/L	0.1	0.092	92	80-120	
Beryllium	mg/L	0.1	0.096	96	80-120	
Boron	mg/L	0.1	0.097	97	80-120	
Cadmium	mg/L	0.1	0.090	90	80-120	
Calcium	mg/L	1	0.87	87	80-120	
Chromium	mg/L	0.1	0.095	95	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Iron	mg/L	1	0.93	93	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Magnesium	mg/L	1	0.93	93	80-120	
Molybdenum	mg/L	0.1	0.096	96	80-120	
Potassium	mg/L	1	0.93	93	80-120	
Selenium	mg/L	0.1	0.088	88	80-120	
Sodium	mg/L	1	0.88	88	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4934669 4934670

Parameter	Units	92817554001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.096	0.096	95	96	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.098	0.095	97	95	75-125	2	20	
Barium	mg/L	0.066	0.1	0.1	0.16	0.16	90	93	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.11	0.11	107	105	75-125	2	20	
Boron	mg/L	4.4	0.1	0.1	4.4	4.5	28	101	75-125	2	20	M1
Cadmium	mg/L	0.00016J	0.1	0.1	0.093	0.093	93	93	75-125	0	20	
Calcium	mg/L	46.1	1	1	45.3	46.5	-74	42	75-125	3	20	M1
Chromium	mg/L	ND	0.1	0.1	0.093	0.091	92	90	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.096	0.094	95	93	75-125	2	20	
Iron	mg/L	0.057	1	1	0.97	0.95	92	90	75-125	2	20	
Lead	mg/L	0.0024	0.1	0.1	0.10	0.10	99	98	75-125	1	20	
Magnesium	mg/L	17.6	1	1	17.7	17.6	7	-2	75-125	0	20	M1
Molybdenum	mg/L	ND	0.1	0.1	0.098	0.095	98	94	75-125	4	20	
Potassium	mg/L	3.6	1	1	4.6	4.7	97	103	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.099	0.097	99	96	75-125	2	20	
Sodium	mg/L	11.2	1	1	12.4	12.3	114	103	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.098	0.097	97	97	75-125	0	20	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

QC Batch: 961364
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92817556002

METHOD BLANK: 4940580 Matrix: Water
Associated Lab Samples: 92817556002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	10/01/25 11:16	
Arsenic	mg/L	ND	0.0020	0.0012	10/01/25 11:16	
Barium	mg/L	ND	0.0050	0.0012	10/01/25 11:16	
Beryllium	mg/L	ND	0.00040	0.00015	10/01/25 11:16	
Boron	mg/L	ND	0.040	0.0062	10/01/25 11:16	
Cadmium	mg/L	ND	0.00050	0.00012	10/01/25 11:16	
Calcium	mg/L	ND	0.40	0.10	10/01/25 11:16	
Chromium	mg/L	ND	0.0050	0.0012	10/01/25 11:16	
Cobalt	mg/L	ND	0.0050	0.0012	10/01/25 11:16	
Iron	mg/L	ND	0.040	0.012	10/01/25 11:16	
Lead	mg/L	ND	0.0010	0.00025	10/01/25 11:16	
Magnesium	mg/L	ND	0.050	0.010	10/01/25 11:16	
Molybdenum	mg/L	ND	0.010	0.0025	10/01/25 11:16	
Potassium	mg/L	ND	0.40	0.10	10/01/25 11:16	
Selenium	mg/L	ND	0.0050	0.0012	10/01/25 11:16	
Sodium	mg/L	ND	0.40	0.15	10/01/25 11:16	
Thallium	mg/L	ND	0.00050	0.00015	10/01/25 11:16	

LABORATORY CONTROL SAMPLE: 4940581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.096	96	80-120	
Arsenic	mg/L	0.1	0.093	93	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.095	95	80-120	
Boron	mg/L	0.1	0.099	99	80-120	
Cadmium	mg/L	0.1	0.096	96	80-120	
Calcium	mg/L	1	1.1	105	80-120	
Chromium	mg/L	0.1	0.098	98	80-120	
Cobalt	mg/L	0.1	0.10	103	80-120	
Iron	mg/L	1	0.95	95	80-120	
Lead	mg/L	0.1	0.098	98	80-120	
Magnesium	mg/L	1	1.0	100	80-120	
Molybdenum	mg/L	0.1	0.094	94	80-120	
Potassium	mg/L	1	1.1	107	80-120	
Selenium	mg/L	0.1	0.089	89	80-120	
Sodium	mg/L	1	0.97	97	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4940582 4940583

Parameter	Units	92819032002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20	
Barium	mg/L	16.3 ug/L	0.1	0.1	0.11	0.11	96	96	75-125	0	20	
Beryllium	mg/L	3.9 ug/L	0.1	0.1	0.096	0.096	92	92	75-125	0	20	
Boron	mg/L	0.40	0.1	0.1	0.49	0.51	90	101	75-125	2	20	
Cadmium	mg/L	1.6 ug/L	0.1	0.1	0.096	0.097	94	96	75-125	1	20	
Calcium	mg/L	45.0	1	1	46.4	46.0	141	101	75-125	1	20	M1
Chromium	mg/L	ND	0.1	0.1	0.091	0.092	91	92	75-125	1	20	
Cobalt	mg/L	0.23	0.1	0.1	0.32	0.32	88	89	75-125	0	20	
Iron	mg/L	1360 ug/L	1	1	2.3	2.3	89	90	75-125	0	20	
Lead	mg/L	0.29J ug/L	0.1	0.1	0.096	0.098	95	97	75-125	2	20	
Magnesium	mg/L	12500 ug/L	1	1	12.9	12.9	42	42	75-125	0	20	M1
Molybdenum	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20	
Potassium	mg/L	10500 ug/L	1	1	11.2	11.2	73	69	75-125	0	20	M1
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20	
Sodium	mg/L	14200 ug/L	1	1	14.6	14.6	39	47	75-125	1	20	M1
Thallium	mg/L	ND	0.1	0.1	0.096	0.099	96	99	75-125	3	20	

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

QC Batch: 959684
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92817556001

METHOD BLANK: 4932017 Matrix: Water
Associated Lab Samples: 92817556001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	09/12/25 01:45	

LABORATORY CONTROL SAMPLE: 4932018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0022	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4932019 4932020

Parameter	Units	92812200004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0021	0.0020	103	102	80-120	0	20	H1

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REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

QC Batch: 961382
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92817556002

METHOD BLANK: 4940694 Matrix: Water
Associated Lab Samples: 92817556002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	09/20/25 00:19	

LABORATORY CONTROL SAMPLE: 4940695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0020	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4940696 4940697

Parameter	Units	92819233025 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0019	0.0018	95	92	80-120	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92817556

[1]	WSP
[2]	DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

ANALYTE QUALIFIERS

H1	Analysis conducted outside the EPA method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-1 Assessment
Pace Project No.: 92817556

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92817556001	**MCD-B-112D**	3015	2600257	EPA 6020B	2600257
92817556002	**MCD-B-105D**	3015	2606875	EPA 6020B	2606875
92817556001	**MCD-B-112D**	SM 2320B-2021	960673		
92817556002	**MCD-B-105D**	SM 2320B-2021	961560		
92817556001	**MCD-B-112D**	SM 2540C-2020	960355		
92817556002	**MCD-B-105D**	SM 2540C-2020	962156		
92817556001	**MCD-B-112D**	EPA 300.0 Rev 2.1 1993	959452		
92817556002	**MCD-B-105D**	EPA 300.0 Rev 2.1 1993	961237		
92817556001	**MCD-B-112D**	EPA 3005A	960249	EPA 6020B	962795
92817556002	**MCD-B-105D**	EPA 3005A	961364	EPA 6020B	963973
92817556001	**MCD-B-112D**	EPA 7470A	959684	EPA 7470A	959935
92817556002	**MCD-B-105D**	EPA 7470A	961382	EPA 7470A	961600

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Pooli

Project #:

WO#: 92817556

92817556

Courier: ☑ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other:

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 10/23 RW

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:

☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.0 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 2.0

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

Face

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92817556

Project #

PM: BV Due Date: 09/24/25

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one) Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	DP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	DP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	VGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG8A-40 mL Amber NH4Cl (N/A)(Cl-)	DG8H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VP-F/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A – 1gh)	SP2T-250 mL Sterile Plastic (N/A – 4b)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		2	1		2		2 ✓	1 ✓	·																					
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Qualtrax ID: 69614

Page 2 of 2

CHAIN-OF-CUSTODY / Analytical Request Document

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

1 Of 1

Section A — Required Client Information:

Company: Georgia Power - Coal Combustion Residuals
Address: 2480 Maner Road, Atlanta, GA 30339
Email: JABRAHAM@SOUTHERNCO.COM
Phone: (470) 620-6176 Fax:
Requested Due Date: 10 Day TAT

Section B — Required Project Information:

Report To: Joju Abraham
Copy To: WSP
Purchase Order #:
Project Name: Plant McD AP-1 Assessment
Project #: 31400440.McD23

Section C — Invoice Information:

Attention: scsinvoices@southernco.com
Company Name:
Address:
Pace Quote:
Pace Project Manager: Bonnie Vang
Pace Profile #:

Regulatory Agency:
State / Location: GA
Task Code = MCD-CCR-ASSMT-2025S2

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate — YCS	Na2S2O3	Methanol	Other	Analyses Test: App III/IV metals* + Mg, Na, K, Fe	Cl, F, SO4	Radium 9315/9320	TDS	Alkalinity	Residual Chlorine (Y/N)	
																Y/N	N	N	N	N	N	
2	MCD-B-112D	WG	G	9/9/25	11:13		B	3		4						X	X	X	X	X		92617556
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE
Task Code = MCD-CCR-ASSMT-2025S2	Jacob Stucky	9/10/25	0833	G. Summers	9-10-25
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl				9/10/25 0945	

SAMPLE CONDITIONS: TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

DATE Signed:

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

Courier: ☑ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other:

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 4/18/25 JW

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 214 Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.7 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.7

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	8011	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	VJGK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG0U-40 mL Amber Unpreserved vials (N/A)
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1		2	1		2		2																							
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Georgia Power - Coal Combustion Residuals	Report To:	Joju Abraham	Attention:	scsinvoices@southernco.com
Address:	2480 Maner Road	Copy To:	WSP	Company Name:	
	Atlanta, GA 30339			Address:	
Email:	JABRAHAM@SOUTHERNCO.COM	Purchase Order #:		Pace Quote:	
Phone:	(470) 620-6176 Fax	Project Name:	Plant McD AP-1 Assessment	Pace Project Manager:	Bonnie Vang
Requested Due Date:	10 Day TAT	Project #:	31406440.McD23	Pace Profile #:	

Regulatory Agency

State / Location: GA

Requested Analysis Filtered (Y/N)

Task Code = MCD-CCR-ASSMT-2025S2

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Analyses Test Y/N	App III/IV metals* + Mg, Na, K, Fe	Cl, F, SO4	Radium 9315/9320	TDS	Alkalinity				Residual Chlorine (Y/N)	92817556
1	MCD-B-105D	WG	G	9/17/25	9:53		7	3		4							X	X	X	X	X					002
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	SAMPLE CONDITIONS
Task Code = MCD-CCR-ASSMT-2025S2	Jacob Sturky	9/18/25	0830		9/18/25	
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl				9/18/25 0935		

DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical Services, LLC
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(704)875-9092

October 02, 2025

Joju Abraham
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 10, 2025 and September 17, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, WSP
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc - Atlanta

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CERTIFICATIONS

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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SAMPLE SUMMARY

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92817566001	**MCD-DGWC-67**	Water	09/09/25 13:46	09/10/25 09:45
92817566002	**MCD-DGWC-68A**	Water	09/09/25 12:20	09/10/25 09:45
92817566003	**MCD-DGWC-38**	Water	09/15/25 15:53	09/16/25 10:20
92817566004	**MCD-AP1-EB-1**	Water	09/15/25 16:23	09/16/25 10:20
92817566005	**MCD-DGWC-40**	Water	09/16/25 13:21	09/17/25 09:47
92817566006	**MCD-DGWC-37**	Water	09/16/25 10:04	09/17/25 09:47
92817566007	**MCD-AP1-FB-1**	Water	09/16/25 10:34	09/17/25 09:47
92817566008	**MCD-DGWC-39**	Water	09/16/25 11:40	09/17/25 09:47
92817566009	**MCD-AP1-FD-1**	Water	09/16/25 00:00	09/17/25 09:47
92817566010	**MCD-DGWC-69**	Water	09/16/25 12:38	09/17/25 09:47
92817566011	**MCD-DGWC-121**	Water	09/16/25 14:25	09/17/25 09:47

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92817566001	**MCD-DGWC-67**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92817566002	**MCD-DGWC-68A**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92817566003	**MCD-DGWC-38**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92817566004	**MCD-AP1-EB-1**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92817566005	**MCD-DGWC-40**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92817566006	**MCD-DGWC-37**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92817566007	**MCD-AP1-FB-1**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92817566008	**MCD-DGWC-39**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92817566009	**MCD-AP1-FD-1**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92817566010	**MCD-DGWC-69**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92817566011	**MCD-DGWC-121**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

Sample: MCD-DGWC-67 **Lab ID: 92817566001** Collected: 09/09/25 13:46 Received: 09/10/25 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.220U ± 0.180 (0.345) C:85% T:NA**	pCi/L	10/02/25 08:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.742U ± 0.518 (1.02) C:71% T:93%**	pCi/L	09/29/25 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.962U ± 0.698 (1.37)**	pCi/L	10/02/25 14:05	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

Sample: MCD-DGWC-68A **Lab ID: 92817566002** Collected: 09/09/25 12:20 Received: 09/10/25 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.132U ± 0.147 (0.304) C:87% T:NA**	pCi/L	10/02/25 08:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.493U ± 0.499 (1.04) C:66% T:89%**	pCi/L	09/29/25 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.625U ± 0.646 (1.34)**	pCi/L	10/02/25 14:05	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

Sample: MCD-DGWC-38 **Lab ID: 92817566003** Collected: 09/15/25 15:53 Received: 09/16/25 10:20 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.212U ± 0.157 (0.283) C:91% T:NA**	pCi/L	10/02/25 10:00	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.00213U ± 0.513 (1.19) C:56% T:82%**	pCi/L	09/29/25 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.212U ± 0.670 (1.47)**	pCi/L	10/02/25 14:05	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

Sample: MCD-AP1-EB-1 **Lab ID: 92817566004** Collected: 09/15/25 16:23 Received: 09/16/25 10:20 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.00175U ± 0.108 (0.287) C:87% T:NA**	pCi/L	10/02/25 08:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.730U ± 0.503 (0.991) C:72% T:94%**	pCi/L	09/29/25 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.732U ± 0.611 (1.28)**	pCi/L	10/02/25 14:05	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

Sample: MCD-DGWC-40 **Lab ID: 92817566005** Collected: 09/16/25 13:21 Received: 09/17/25 09:47 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.113U ± 0.142 (0.302) C:88% T:NA**	pCi/L	10/02/25 09:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.641U ± 0.427 (0.817) C:71% T:91%**	pCi/L	09/29/25 15:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.754U ± 0.569 (1.12)**	pCi/L	10/02/25 14:05	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

Sample: MCD-DGWC-37 **Lab ID: 92817566006** Collected: 09/16/25 10:04 Received: 09/17/25 09:47 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.191U ± 0.143 (0.251) C:89% T:NA**	pCi/L	10/02/25 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.0113U ± 0.315 (0.737) C:68% T:92%**	pCi/L	09/29/25 15:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.202U ± 0.458 (0.988)**	pCi/L	10/02/25 14:05	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

Sample: MCD-AP1-FB-1 **Lab ID: 92817566007** Collected: 09/16/25 10:34 Received: 09/17/25 09:47 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.00135U ± 0.0921 (0.251) C:85% T:NA**	pCi/L	10/02/25 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.625U ± 0.388 (0.715) C:71% T:91%**	pCi/L	09/29/25 15:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.625U ± 0.480 (0.966)**	pCi/L	10/02/25 14:05	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

Sample: MCD-DGWC-39 **Lab ID: 92817566008** Collected: 09/16/25 11:40 Received: 09/17/25 09:47 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.359 ± 0.191 (0.291) C:90% T:NA**	pCi/L	10/02/25 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.181U ± 0.321 (0.799) C:70% T:92%**	pCi/L	09/29/25 15:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.359U ± 0.512 (1.09)**	pCi/L	10/02/25 14:05	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

Sample: MCD-AP1-FD-1 **Lab ID: 92817566009** Collected: 09/16/25 00:00 Received: 09/17/25 09:47 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.179U ± 0.149 (0.281) C:88% T:NA**	pCi/L	10/02/25 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.686U ± 0.409 (0.754) C:72% T:91%**	pCi/L	09/29/25 15:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.865U ± 0.558 (1.04)**	pCi/L	10/02/25 14:05	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

Sample: MCD-DGWC-69 **Lab ID: 92817566010** Collected: 09/16/25 12:38 Received: 09/17/25 09:47 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**2.19 ± 0.502 (0.334) C:93% T:NA**	pCi/L	10/02/25 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.16 ± 0.482 (0.748) C:64% T:94%**	pCi/L	09/29/25 15:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**3.35 ± 0.984 (1.08)**	pCi/L	10/02/25 14:05	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

Sample: MCD-DGWC-121 **Lab ID: 92817566011** Collected: 09/16/25 14:25 Received: 09/17/25 09:47 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.251U ± 0.183 (0.329) C:75% T:NA**	pCi/L	10/02/25 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.40 ± 0.562 (0.864) C:64% T:90%**	pCi/L	09/29/25 15:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.65 ± 0.745 (1.19)**	pCi/L	10/02/25 14:05	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

QC Batch: 772402 | Analysis Method: EPA 9320
QC Batch Method: EPA 9320 | Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92817566001, 92817566002, 92817566003, 92817566004, 92817566005, 92817566006, 92817566007, 92817566008, 92817566009, 92817566010, 92817566011

METHOD BLANK: 3765860 Matrix: Water

Associated Lab Samples: 92817566001, 92817566002, 92817566003, 92817566004, 92817566005, 92817566006, 92817566007, 92817566008, 92817566009, 92817566010, 92817566011

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.0645 ± 0.301 (0.691) C:68% T:91%	pCi/L	09/29/25 15:12	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

QC Batch: 772401 | Analysis Method: EPA 9315
QC Batch Method: EPA 9315 | Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92817566001, 92817566002, 92817566003, 92817566004, 92817566005, 92817566006, 92817566007, 92817566008, 92817566009, 92817566010, 92817566011

METHOD BLANK: 3765859 Matrix: Water

Associated Lab Samples: 92817566001, 92817566002, 92817566003, 92817566004, 92817566005, 92817566006, 92817566007, 92817566008, 92817566009, 92817566010, 92817566011

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0584 ± 0.127 (0.297) C:93% T:NA	pCi/L	10/02/25 08:23	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92817566

[1] WSP

[2] DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-1 Detect Net-RADs
Pace Project No.: 92817566

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92817566001	**MCD-DGWC-67**	EPA 9315	772401		
92817566002	**MCD-DGWC-68A**	EPA 9315	772401		
92817566003	**MCD-DGWC-38**	EPA 9315	772401		
92817566004	**MCD-AP1-EB-1**	EPA 9315	772401		
92817566005	**MCD-DGWC-40**	EPA 9315	772401		
92817566006	**MCD-DGWC-37**	EPA 9315	772401		
92817566007	**MCD-AP1-FB-1**	EPA 9315	772401		
92817566008	**MCD-DGWC-39**	EPA 9315	772401		
92817566009	**MCD-AP1-FD-1**	EPA 9315	772401		
92817566010	**MCD-DGWC-69**	EPA 9315	772401		
92817566011	**MCD-DGWC-121**	EPA 9315	772401		
92817566001	**MCD-DGWC-67**	EPA 9320	772402		
92817566002	**MCD-DGWC-68A**	EPA 9320	772402		
92817566003	**MCD-DGWC-38**	EPA 9320	772402		
92817566004	**MCD-AP1-EB-1**	EPA 9320	772402		
92817566005	**MCD-DGWC-40**	EPA 9320	772402		
92817566006	**MCD-DGWC-37**	EPA 9320	772402		
92817566007	**MCD-AP1-FB-1**	EPA 9320	772402		
92817566008	**MCD-DGWC-39**	EPA 9320	772402		
92817566009	**MCD-AP1-FD-1**	EPA 9320	772402		
92817566010	**MCD-DGWC-69**	EPA 9320	772402		
92817566011	**MCD-DGWC-121**	EPA 9320	772402		
92817566001	**MCD-DGWC-67**	Total Radium Calculation	774748		
92817566002	**MCD-DGWC-68A**	Total Radium Calculation	774748		
92817566003	**MCD-DGWC-38**	Total Radium Calculation	774748		
92817566004	**MCD-AP1-EB-1**	Total Radium Calculation	774748		
92817566005	**MCD-DGWC-40**	Total Radium Calculation	774748		
92817566006	**MCD-DGWC-37**	Total Radium Calculation	774748		
92817566007	**MCD-AP1-FB-1**	Total Radium Calculation	774748		
92817566008	**MCD-DGWC-39**	Total Radium Calculation	774748		
92817566009	**MCD-AP1-FD-1**	Total Radium Calculation	774748		
92817566010	**MCD-DGWC-69**	Total Radium Calculation	774748		
92817566011	**MCD-DGWC-121**	Total Radium Calculation	774748		

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #: WO# : 92817566

92817566

Courier: ☑ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other:____

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 9/10/25 aw

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:

☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.0 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 2.0

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92817566

PM: BV Due Date: 10/01/25

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BPIN	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		2	1		2		2	1																						
2		2	1		2		2	1																						
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12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

1 Of 1

Section A — Required Client Information:

Company:	Georgia Power - Coal Combustion Residuals
Address:	2480 Maner Road
	Atlanta, GA 30339
Email:	JABRAHAM@SOUTHERNCO.COM
Phone:	(470) 620-6176
Fax:	
Requested Due Date:	10 Day TAT

Section B — Required Project Information:

Report To:	Jaju Abraham
Copy To:	WSP
Purchase Order #:	
Project Name:	Plant McD AP-1 Detection Network
Project #:	31406440.McD23

Section C — Invoice Information:

Attention:	scsinvoices@southernco.com
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	

Regulatory Agency

State / Location: GA

Requested Analysis Filtered (Y/N)

Task Code = MCD-CCR-ASSMT-202582

SAMPLE ID
One Character per box. (A-Z, 0-9 / , -)
Sample ids must be unique

MATRIX CODE (Use valid codes to left): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Analyses Test Y/N	App III/IV metals* + Mg, Na, K, Fe	Cl, F, SO4	Radium 9315/9320	TDS	Alkalinity	Residual Chlorine (Y/N)	
2	MCD-DGWC-67	WG	G	9/9/25	13:46		8	3		4		0+	SS			N	X	X	X	X	X		9290175266
4	MCD-DGWC-68A	WG	G	9/9/25	12:20		8	3		4		0+	SS			N	X	X	X	X	X		001
5																N	X	X	X	X	X		002
6																N							
7																N							
8																N							
9																N							
10																N							
11																N							
12																N							
13																N							
14																N							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	SAMPLE CONDITIONS
Task Code = MCD-CCR-ASSMT-2025S2	Jared Sturky	9/10/25	0837	C-Simmons	9-10-25	
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl				9/10/25 0945		

DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

Courier: ☑ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other:____

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 4/16/25 AN

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:
☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.0 Correction Factor: Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 4.0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	DP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	ncgu-40 mL Amber Unpreserved vials (N/A)
CC																														
1		2	1		2		2✓																							
2		2	1		2		2✓																							
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Georgia Power - Coal Combustion Residuals	Report To:	Joju Abraham	Attention:	scsinvoices@southernco.com
Address:	2480 Maner Road	Copy To:	WSP	Company Name:	
	Atlanta, GA 30339			Address:	
Email:	JABRAHAM@SOUTHERNCO.COM	Purchase Order #:		Pace Quote:	
Phone:	(470) 620-6176 Fax:	Project Name:	Plant McD AP-1 Detection Network	Pace Project Manager:	Bonnie Vang
Requested Due Date:	10 Day TAT	Project #:	31406440.McD23	Pace Profile #:	

Regulatory Agency

State / Location: GA

Requested Analysis Filtered (Y/N)

Task Code = MCD-CCR-ASSMT-2025S2

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Analyses Test Y/N	App III/IV metals* + Mg, Na, K, Fe	Cl, F, SO4	Radium 9315/9320	TDS	Alkalinity				Residual Chlorine (Y/N)	92817566
1	MCD-DGWC-38	WG	G	9/15/25	15:53		7	3		4							X	X	X	X	X					003
2	MCD-AP1-EB-1	WG	G	9/15/25	16:23		7	3		4							X	X	X	X	X					004
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	SAMPLE CONDITIONS
Task Code = MCD-CCR-ASSMT-2025S2	Jacob Stucky	9/16/25	0840		9/16/25	
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl				9/16/25	1020	

DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☒ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #

WO#: 92817566
PM: BV Due Date: 10/01/25
CLIENT: 92-GA Power

Courier: ☒ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other:____

Custody Seal Present? ☒ Yes ☐ No Seals Intact? ☒ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 9/17/25 AW

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Thermometer: ☐ IR Gun ID: 214

Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temp: 3.2 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.2

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☒ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	4.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☒ No	☐ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☒ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☒ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☒ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☒ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92817566

PM: BV Due Date: 10/01/25

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client GA Power Profile/EZ (Circle one) Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGDU-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		2	1		2		2																							
2		2	1		2		2																							
3		2	1		2		2																							
4		2	1		2		2																							
5		2	1		2		2																							
6		2	1		2		2																							
7		2	1		2		2																							
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Georgia Power - Coal Combustion Residuals	Report To:	Joju Abraham	Attention:	scsinvoices@southernco.com
Address:	2480 Maner Road	Copy To:	WSP	Company Name:	
	Atlanta, GA 30339			Address:	
Email:	JABRAHAM@SOUTHERNCO.COM	Purchase Order #:		Pace Quote:	
Phone:	(470) 620-6176 Fax:	Project Name:	Plant McD AP-1 Detection Network	Pace Project Manager:	Bonnie Vang
Requested Due Date:	10 Day TAT	Project #:	31406440.McD23	Pace Profile #:	

Regulatory Agency

State / Location: GA

Requested Analysis Filtered (Y/N)

Task Code = MCD-CCR-ASSMT-2025S2

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Y/N	Analyses Test: App III/IV metals* + Mg, Na, K, Fe	Cl, F, SO4	Radium 9315/9320	TDS	Alkalinity	Residual Chlorine (Y/N)	92817566
1	MCD-DGWC-40	WG	G	9/16/25	13:21		9	3		6							X	X	X	X	X		005 EXTRA RAD
2	MCD-DGWC-37	WG	G	9/16/25	10:04		7	3		4							X	X	X	X	X		006
3	MCD-AP1-FB-1	WQ	G	9/16/25	10:34		7	3		4							X	X	X	X	X		007
4	MCD-DGWC-39	WG	G	9/16/25	11:40		7	3		4							X	X	X	X	X		008
5	MCD-AP1-FD-1	WG	G	9/16/25	-		7	3		4							X	X	X	X	X		009
6	MCD-DGWC-69	WG	G	9/16/25	12:38		7	3		4							X	X	X	X	X		010
7	MCD-DGWC-121	WG	G	9/16/25	14:25		7	3		4							X	X	X	X	X		011
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE
Task Code = MCD-CCR-ASSMT-2025S2	Jacob Stucky	9/17/25	0822		9/17/25
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl				9/17/25 0947	

DATE Signed:

SAMPLE CONDITIONS			
TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-228
Analyst:	JJS1
Date:	9/26/2025
Worklist:	87196
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3765860
MB concentration:	0.065
M/B 2 Sigma CSU:	0.301
MB MDC:	0.691
MB Numerical Performance Indicator:	0.42
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS87196	LCSD87196
Count Date:	9/29/2025	9/29/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.134	31.134
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.823	0.817
Target Conc. (pCi/L, g, F):	3.782	3.809
Uncertainty (Calculated):	0.185	0.187
Result (pCi/L, g, F):	3.645	3.369
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.921	0.880
Numerical Performance Indicator:	-0.29	-0.96
Percent Recovery:	96.38%	88.44%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Duplicate Sample Assessment		
Sample I.D.:	LCS87196	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD87196	
Sample Result (pCi/L, g, F):	3.645	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.921	
Sample Duplicate Result (pCi/L, g, F):	3.369	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.880	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.425	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	8.59%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

LTL
9/30/25

JJS 9/30/25

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	9/26/2025
Worklist:	87195
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3765859
MB concentration:	0.058
M/B 2 Sigma CSU:	0.127
MB MDC:	0.297
MB Numerical Performance Indicator:	0.90
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS87195	LCSD87195
Count Date:	10/2/2025	10/2/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.008	25.008
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.504	0.507
Target Conc. (pCi/L, g, F):	4.963	4.928
Uncertainty (Calculated):	0.233	0.232
Result (pCi/L, g, F):	4.330	5.362
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.826	0.973
Numerical Performance Indicator:	-1.45	0.85
Percent Recovery:	87.23%	108.81%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS87195	92817567002
Duplicate Sample I.D.	LCSD87195	92817567002DUP
Sample Result (pCi/L, g, F):	4.330	0.976
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.826	0.329
Sample Duplicate Result (pCi/L, g, F):	5.362	0.745
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.973	0.272
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-1.586	1.062
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	22.01%	26.85%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

VAM 10/2/25

CT 10-2-25

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 16, 2025

Joju Abraham
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 10, 2025 and September 17, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, WSP
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc - Atlanta

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92817554001	**MCD-DGWC-67**	Water	09/09/25 13:46	09/10/25 09:45
92817554002	**MCD-DGWC-68A**	Water	09/09/25 12:20	09/10/25 09:45
92817554003	**MCD-DGWC-38**	Water	09/15/25 15:53	09/16/25 10:20
92817554004	**MCD-AP1-EB-1**	Water	09/15/25 16:23	09/16/25 10:20
92817554005	**MCD-DGWC-40**	Water	09/16/25 13:21	09/17/25 09:47
92817554006	**MCD-DGWC-37**	Water	09/16/25 10:04	09/17/25 09:47
92817554007	**MCD-AP1-FB-1**	Water	09/16/25 10:34	09/17/25 09:47
92817554008	**MCD-DGWC-39**	Water	09/16/25 11:40	09/17/25 09:47
92817554009	**MCD-AP1-FD-1**	Water	09/16/25 00:00	09/17/25 09:47
92817554010	**MCD-DGWC-69**	Water	09/16/25 12:38	09/17/25 09:47
92817554011	**MCD-DGWC-121**	Water	09/16/25 14:25	09/17/25 09:47

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92817554001	**MCD-DGWC-67**	EPA 6020B	LD	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	CBP	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92817554002	**MCD-DGWC-68A**	EPA 6020B	LD	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	CBP	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92817554003	**MCD-DGWC-38**	EPA 6020B	TMT	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92817554004	**MCD-AP1-EB-1**	EPA 6020B	TMT	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92817554005	**MCD-DGWC-40**	EPA 6020B	JDB	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	NSS	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92817554006	**MCD-DGWC-37**	EPA 6020B	JDB	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	NSS	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92817554007	**MCD-AP1-FB-1**	EPA 6020B	JDB	1	PAN

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	NSS	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92817554008	**MCD-DGWC-39**	EPA 6020B	JDB	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	NSS	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92817554009	**MCD-AP1-FD-1**	EPA 6020B	JDB	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	NSS	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92817554010	**MCD-DGWC-69**	EPA 6020B	JDB	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	NSS	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92817554011	**MCD-DGWC-121**	EPA 6020B	JDB	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	NSS	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Sample: MCD-DGWC-67 **Lab ID: 92817554001** Collected: 09/09/25 13:46 Received: 09/10/25 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00453**	mg/L	0.00200	0.000600	1	09/15/25 13:35	09/24/25 21:47	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**87.8**	mg/L	5.0	5.0	1		09/17/25 02:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/17/25 02:36		
Alkalinity, Total as CaCO3	**87.8**	mg/L	5.0	5.0	1		09/17/25 02:36		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**316**	mg/L	25.0	25.0	1		09/16/25 18:33		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**10.8**	mg/L	1.0	0.60	1		09/11/25 10:53	16887-00-6	
Fluoride	**0.067J**	mg/L	0.10	0.050	1		09/11/25 10:53	16984-48-8	
Sulfate	**109**	mg/L	2.0	1.0	2		09/11/25 20:47	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/17/25 01:52	09/25/25 15:43	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/17/25 01:52	09/25/25 15:43	7440-38-2	
Barium	**0.066**	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 15:43	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/17/25 01:52	09/25/25 15:43	7440-41-7	
Boron	**4.4**	mg/L	1.0	0.16	25	09/17/25 01:52	09/26/25 10:49	7440-42-8	M1
Cadmium	**0.00016J**	mg/L	0.00050	0.00012	1	09/17/25 01:52	09/25/25 15:43	7440-43-9	
Calcium	**46.1**	mg/L	10.0	2.5	25	09/17/25 01:52	09/26/25 10:49	7440-70-2	M1
Chromium	ND	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 15:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 15:43	7440-48-4	
Iron	**0.057**	mg/L	0.040	0.012	1	09/17/25 01:52	09/25/25 15:43	7439-89-6	
Lead	**0.0024**	mg/L	0.0010	0.00025	1	09/17/25 01:52	09/25/25 15:43	7439-92-1	
Magnesium	**17.6**	mg/L	0.050	0.010	1	09/17/25 01:52	09/25/25 15:43	7439-95-4	M1
Molybdenum	ND	mg/L	0.010	0.0025	1	09/17/25 01:52	09/25/25 15:43	7439-98-7	
Potassium	**3.6**	mg/L	0.40	0.10	1	09/17/25 01:52	09/25/25 15:43	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 15:43	7782-49-2	
Sodium	**11.2**	mg/L	0.40	0.15	1	09/17/25 01:52	09/25/25 15:43	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/17/25 01:52	09/25/25 15:43	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/11/25 19:38	09/12/25 02:36	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Sample: MCD-DGWC-68A **Lab ID: 92817554002** Collected: 09/09/25 12:20 Received: 09/10/25 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000956J**	mg/L	0.00200	0.000600	1	09/15/25 13:35	09/24/25 21:50	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**206**	mg/L	5.0	5.0	1		09/17/25 02:56		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/17/25 02:56		
Alkalinity, Total as CaCO3	**206**	mg/L	5.0	5.0	1		09/17/25 02:56		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**272**	mg/L	25.0	25.0	1		09/16/25 18:33		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**4.5**	mg/L	1.0	0.60	1		09/11/25 11:08	16887-00-6	
Fluoride	**0.099J**	mg/L	0.10	0.050	1		09/11/25 11:08	16984-48-8	
Sulfate	**33.4**	mg/L	1.0	0.50	1		09/11/25 11:08	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/17/25 01:52	09/25/25 16:25	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/17/25 01:52	09/25/25 16:25	7440-38-2	
Barium	**0.11**	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 16:25	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/17/25 01:52	09/25/25 16:25	7440-41-7	
Boron	**1.8**	mg/L	1.0	0.16	25	09/17/25 01:52	09/26/25 11:31	7440-42-8	
Cadmium	**0.00037J**	mg/L	0.00050	0.00012	1	09/17/25 01:52	09/25/25 16:25	7440-43-9	
Calcium	**52.5**	mg/L	10.0	2.5	25	09/17/25 01:52	09/26/25 11:31	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 16:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 16:25	7440-48-4	
Iron	**0.029J**	mg/L	0.040	0.012	1	09/17/25 01:52	09/25/25 16:25	7439-89-6	
Lead	**0.0018**	mg/L	0.0010	0.00025	1	09/17/25 01:52	09/25/25 16:25	7439-92-1	
Magnesium	**15.4**	mg/L	0.050	0.010	1	09/17/25 01:52	09/25/25 16:25	7439-95-4	
Molybdenum	**0.19**	mg/L	0.010	0.0025	1	09/17/25 01:52	09/25/25 16:25	7439-98-7	
Potassium	**3.6**	mg/L	0.40	0.10	1	09/17/25 01:52	09/25/25 16:25	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 16:25	7782-49-2	
Sodium	**10.1**	mg/L	0.40	0.15	1	09/17/25 01:52	09/25/25 16:25	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/17/25 01:52	09/25/25 16:25	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/11/25 19:38	09/12/25 02:38	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Sample: MCD-DGWC-38 **Lab ID: 92817554003** Collected: 09/15/25 15:53 Received: 09/16/25 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00277**	mg/L	0.00200	0.000600	1	09/18/25 08:24	09/26/25 14:31	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**95.1**	mg/L	5.0	5.0	1		09/19/25 21:12		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/19/25 21:12		
Alkalinity, Total as CaCO3	**95.1**	mg/L	5.0	5.0	1		09/19/25 21:12		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**490**	mg/L	25.0	25.0	1		09/19/25 16:40		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**8.9**	mg/L	1.0	0.60	1		09/17/25 11:41	16887-00-6	
Fluoride	**0.10**	mg/L	0.10	0.050	1		09/17/25 11:41	16984-48-8	
Sulfate	**211**	mg/L	5.0	2.5	5		09/17/25 20:05	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/18/25 18:30	09/27/25 14:55	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/18/25 18:30	09/27/25 14:55	7440-38-2	
Barium	**0.028**	mg/L	0.0050	0.0012	1	09/18/25 18:30	09/27/25 14:55	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/18/25 18:30	09/27/25 14:55	7440-41-7	
Boron	**2.9**	mg/L	0.40	0.062	10	09/18/25 18:30	09/29/25 13:28	7440-42-8	
Cadmium	**0.00015J**	mg/L	0.00050	0.00012	1	09/18/25 18:30	09/27/25 14:55	7440-43-9	
Calcium	**85.7**	mg/L	4.0	1.0	10	09/18/25 18:30	10/01/25 03:52	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/18/25 18:30	09/27/25 14:55	7440-47-3	
Cobalt	**0.0017J**	mg/L	0.0050	0.0012	1	09/18/25 18:30	09/27/25 14:55	7440-48-4	
Iron	**0.17**	mg/L	0.040	0.012	1	09/18/25 18:30	09/27/25 14:55	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/18/25 18:30	09/27/25 14:55	7439-92-1	
Magnesium	**25.6**	mg/L	0.050	0.010	1	09/18/25 18:30	09/27/25 14:55	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	09/18/25 18:30	09/27/25 14:55	7439-98-7	
Potassium	**4.2**	mg/L	0.80	0.20	2	09/18/25 18:30	09/29/25 13:54	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/18/25 18:30	09/27/25 14:55	7782-49-2	
Sodium	**12.9**	mg/L	0.40	0.15	1	09/18/25 18:30	09/27/25 14:55	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/18/25 18:30	09/27/25 14:55	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/20/25 09:41	09/20/25 14:02	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Sample: MCD-AP1-EB-1 **Lab ID: 92817554004** Collected: 09/15/25 16:23 Received: 09/16/25 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	09/18/25 08:24	09/26/25 14:44	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/19/25 21:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/19/25 21:29		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		09/19/25 21:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		09/19/25 16:40		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		09/17/25 01:08	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/17/25 01:08	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/17/25 01:08	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/18/25 18:30	09/27/25 15:03	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/18/25 18:30	09/27/25 15:03	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	09/18/25 18:30	09/27/25 15:03	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/18/25 18:30	09/27/25 15:03	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	09/18/25 18:30	09/27/25 15:03	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/18/25 18:30	09/27/25 15:03	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	09/18/25 18:30	09/27/25 15:03	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/18/25 18:30	09/27/25 15:03	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	09/18/25 18:30	09/27/25 15:03	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	09/18/25 18:30	09/27/25 15:03	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/18/25 18:30	09/27/25 15:03	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	09/18/25 18:30	09/27/25 15:03	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	09/18/25 18:30	09/27/25 15:03	7439-98-7	
Potassium	ND	mg/L	0.40	0.10	1	09/18/25 18:30	09/29/25 13:37	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/18/25 18:30	09/27/25 15:03	7782-49-2	
Sodium	ND	mg/L	0.40	0.15	1	09/18/25 18:30	09/27/25 15:03	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/18/25 18:30	09/27/25 15:03	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/20/25 09:41	09/20/25 14:04	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Sample: MCD-DGWC-40 **Lab ID: 92817554005** Collected: 09/16/25 13:21 Received: 09/17/25 09:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00284**	mg/L	0.00200	0.000600	1	09/20/25 09:26	10/13/25 11:44	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/26/25 15:43		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/26/25 15:43		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		09/26/25 15:43		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**332**	mg/L	25.0	25.0	1		09/23/25 01:00		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**13.0**	mg/L	1.0	0.60	1		09/18/25 09:54	16887-00-6	
Fluoride	**0.10**	mg/L	0.10	0.050	1		09/18/25 09:54	16984-48-8	
Sulfate	**152**	mg/L	3.0	1.5	3		09/18/25 15:39	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/21/25 13:55	10/01/25 11:34	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/21/25 13:55	10/01/25 11:34	7440-38-2	
Barium	**0.017**	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 11:34	7440-39-3	
Beryllium	**0.0031**	mg/L	0.00040	0.00015	1	09/21/25 13:55	10/01/25 11:34	7440-41-7	
Boron	**0.61**	mg/L	0.20	0.031	5	09/21/25 13:55	10/02/25 10:37	7440-42-8	
Cadmium	**0.00062**	mg/L	0.00050	0.00012	1	09/21/25 13:55	10/01/25 11:34	7440-43-9	
Calcium	**39.2**	mg/L	2.0	0.50	5	09/21/25 13:55	10/02/25 10:37	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 11:34	7440-47-3	
Cobalt	**0.033**	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 11:34	7440-48-4	
Iron	**0.020J**	mg/L	0.040	0.012	1	09/21/25 13:55	10/01/25 11:34	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/21/25 13:55	10/01/25 11:34	7439-92-1	
Magnesium	**15.1**	mg/L	0.050	0.010	1	09/21/25 13:55	10/01/25 11:34	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	09/21/25 13:55	10/01/25 11:34	7439-98-7	
Potassium	**6.3**	mg/L	0.40	0.10	1	09/21/25 13:55	10/01/25 11:34	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 11:34	7782-49-2	
Sodium	**18.3**	mg/L	0.40	0.15	1	09/21/25 13:55	10/01/25 11:34	7440-23-5	
Thallium	**0.00019J**	mg/L	0.00050	0.00015	1	09/21/25 13:55	10/01/25 11:34	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/23/25 17:27	09/23/25 20:26	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Sample: MCD-DGWC-37 **Lab ID: 92817554006** Collected: 09/16/25 10:04 Received: 09/17/25 09:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00252**	mg/L	0.00200	0.000600	1	09/20/25 09:26	10/13/25 11:47	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**120**	mg/L	5.0	5.0	1		09/26/25 15:47		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/26/25 15:47		
Alkalinity, Total as CaCO3	**120**	mg/L	5.0	5.0	1		09/26/25 15:47		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**291**	mg/L	25.0	25.0	1		09/23/25 01:00		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**5.4**	mg/L	1.0	0.60	1		09/18/25 10:09	16887-00-6	
Fluoride	**0.061J**	mg/L	0.10	0.050	1		09/18/25 10:09	16984-48-8	
Sulfate	**77.9**	mg/L	1.0	0.50	1		09/18/25 10:09	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/21/25 13:55	10/01/25 11:43	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/21/25 13:55	10/01/25 11:43	7440-38-2	
Barium	**0.064**	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 11:43	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/21/25 13:55	10/01/25 11:43	7440-41-7	
Boron	**1.5**	mg/L	0.40	0.062	10	09/21/25 13:55	10/02/25 10:46	7440-42-8	
Cadmium	**0.00016J**	mg/L	0.00050	0.00012	1	09/21/25 13:55	10/01/25 11:43	7440-43-9	
Calcium	**52.2**	mg/L	4.0	1.0	10	09/21/25 13:55	10/02/25 10:46	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 11:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 11:43	7440-48-4	
Iron	**0.14**	mg/L	0.040	0.012	1	09/21/25 13:55	10/01/25 11:43	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/21/25 13:55	10/01/25 11:43	7439-92-1	
Magnesium	**11.8**	mg/L	0.050	0.010	1	09/21/25 13:55	10/01/25 11:43	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	09/21/25 13:55	10/01/25 11:43	7439-98-7	
Potassium	**3.8**	mg/L	0.40	0.10	1	09/21/25 13:55	10/01/25 11:43	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 11:43	7782-49-2	
Sodium	**9.7**	mg/L	0.40	0.15	1	09/21/25 13:55	10/01/25 11:43	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/21/25 13:55	10/01/25 11:43	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/23/25 17:27	09/23/25 20:29	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Sample: MCD-AP1-FB-1 **Lab ID: 92817554007** Collected: 09/16/25 10:34 Received: 09/17/25 09:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	09/20/25 09:26	10/13/25 11:50	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/26/25 15:56		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/26/25 15:56		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		09/26/25 15:56		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		09/23/25 01:00		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		09/18/25 07:16	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/18/25 07:16	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/18/25 07:16	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/21/25 13:55	10/01/25 11:51	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/21/25 13:55	10/01/25 11:51	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 11:51	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/21/25 13:55	10/01/25 11:51	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	09/21/25 13:55	10/01/25 11:51	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/21/25 13:55	10/01/25 11:51	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	09/21/25 13:55	10/01/25 11:51	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 11:51	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 11:51	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	09/21/25 13:55	10/01/25 11:51	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/21/25 13:55	10/01/25 11:51	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	09/21/25 13:55	10/01/25 11:51	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	09/21/25 13:55	10/01/25 11:51	7439-98-7	
Potassium	ND	mg/L	0.40	0.10	1	09/21/25 13:55	10/01/25 11:51	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 11:51	7782-49-2	
Sodium	ND	mg/L	0.40	0.15	1	09/21/25 13:55	10/01/25 11:51	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/21/25 13:55	10/01/25 11:51	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/23/25 17:27	09/23/25 20:31	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Sample: MCD-DGWC-39 **Lab ID: 92817554008** Collected: 09/16/25 11:40 Received: 09/17/25 09:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	09/20/25 09:26	10/13/25 11:54	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**244**	mg/L	5.0	5.0	1		09/26/25 17:58		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/26/25 17:58		
Alkalinity, Total as CaCO3	**244**	mg/L	5.0	5.0	1		09/26/25 17:58		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**489**	mg/L	25.0	25.0	1		09/23/25 01:00		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**8.3**	mg/L	1.0	0.60	1		09/18/25 10:23	16887-00-6	
Fluoride	**0.081J**	mg/L	0.10	0.050	1		09/18/25 10:23	16984-48-8	
Sulfate	**148**	mg/L	3.0	1.5	3		09/18/25 15:53	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/21/25 13:55	10/01/25 12:18	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/21/25 13:55	10/01/25 12:18	7440-38-2	
Barium	**0.13**	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 12:18	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/21/25 13:55	10/01/25 12:18	7440-41-7	
Boron	**3.0**	mg/L	0.40	0.062	10	09/21/25 13:55	10/02/25 10:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/21/25 13:55	10/01/25 12:18	7440-43-9	
Calcium	**97.8**	mg/L	4.0	1.0	10	09/21/25 13:55	10/02/25 10:55	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 12:18	7440-47-3	
Cobalt	**0.0064**	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 12:18	7440-48-4	
Iron	**13.6**	mg/L	0.040	0.012	1	09/21/25 13:55	10/01/25 12:18	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/21/25 13:55	10/01/25 12:18	7439-92-1	
Magnesium	**22.2**	mg/L	0.050	0.010	1	09/21/25 13:55	10/01/25 12:18	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	09/21/25 13:55	10/01/25 12:18	7439-98-7	
Potassium	**3.2**	mg/L	0.40	0.10	1	09/21/25 13:55	10/01/25 12:18	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 12:18	7782-49-2	
Sodium	**13.2**	mg/L	0.40	0.15	1	09/21/25 13:55	10/01/25 12:18	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/21/25 13:55	10/01/25 12:18	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/23/25 17:27	09/23/25 20:34	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Sample: MCD-AP1-FD-1 **Lab ID: 92817554009** Collected: 09/16/25 00:00 Received: 09/17/25 09:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	09/20/25 09:26	10/13/25 11:57	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**236**	mg/L	5.0	5.0	1		09/26/25 18:06		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/26/25 18:06		
Alkalinity, Total as CaCO3	**236**	mg/L	5.0	5.0	1		09/26/25 18:06		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**486**	mg/L	25.0	25.0	1		09/23/25 01:01		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**8.3**	mg/L	1.0	0.60	1		09/18/25 10:38	16887-00-6	
Fluoride	**0.080J**	mg/L	0.10	0.050	1		09/18/25 10:38	16984-48-8	
Sulfate	**149**	mg/L	3.0	1.5	3		09/18/25 16:08	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/21/25 13:55	10/01/25 12:27	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/21/25 13:55	10/01/25 12:27	7440-38-2	
Barium	**0.13**	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 12:27	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/21/25 13:55	10/01/25 12:27	7440-41-7	
Boron	**3.2**	mg/L	0.80	0.12	20	09/21/25 13:55	10/02/25 15:38	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/21/25 13:55	10/01/25 12:27	7440-43-9	
Calcium	**99.8**	mg/L	4.0	1.0	10	09/21/25 13:55	10/02/25 11:04	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 12:27	7440-47-3	
Cobalt	**0.0066**	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 12:27	7440-48-4	
Iron	**13.8**	mg/L	0.040	0.012	1	09/21/25 13:55	10/01/25 12:27	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/21/25 13:55	10/01/25 12:27	7439-92-1	
Magnesium	**22.4**	mg/L	0.050	0.010	1	09/21/25 13:55	10/01/25 12:27	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	09/21/25 13:55	10/01/25 12:27	7439-98-7	
Potassium	**3.2**	mg/L	0.40	0.10	1	09/21/25 13:55	10/01/25 12:27	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 12:27	7782-49-2	
Sodium	**13.2**	mg/L	0.40	0.15	1	09/21/25 13:55	10/01/25 12:27	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/21/25 13:55	10/01/25 12:27	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/23/25 17:27	09/23/25 20:37	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Sample: MCD-DGWC-69 **Lab ID: 92817554010** Collected: 09/16/25 12:38 Received: 09/17/25 09:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00464**	mg/L	0.00200	0.000600	1	09/20/25 09:26	10/13/25 12:00	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**134**	mg/L	5.0	5.0	1		09/26/25 16:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/26/25 16:20		
Alkalinity, Total as CaCO3	**134**	mg/L	5.0	5.0	1		09/26/25 16:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**274**	mg/L	25.0	25.0	1		09/23/25 01:01		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.2**	mg/L	1.0	0.60	1		09/18/25 10:52	16887-00-6	
Fluoride	**0.23**	mg/L	0.10	0.050	1		09/18/25 10:52	16984-48-8	
Sulfate	**53.9**	mg/L	1.0	0.50	1		09/18/25 10:52	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/21/25 13:55	10/01/25 12:36	7440-36-0	
Arsenic	**0.46**	mg/L	0.020	0.012	10	09/21/25 13:55	10/02/25 11:12	7440-38-2	
Barium	**0.12**	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 12:36	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/21/25 13:55	10/01/25 12:36	7440-41-7	
Boron	**1.5**	mg/L	0.40	0.062	10	09/21/25 13:55	10/02/25 11:12	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/21/25 13:55	10/01/25 12:36	7440-43-9	
Calcium	**44.4**	mg/L	4.0	1.0	10	09/21/25 13:55	10/02/25 11:12	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 12:36	7440-47-3	
Cobalt	**0.0042J**	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 12:36	7440-48-4	
Iron	**6.9**	mg/L	0.040	0.012	1	09/21/25 13:55	10/01/25 12:36	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/21/25 13:55	10/01/25 12:36	7439-92-1	
Magnesium	**8.9**	mg/L	0.050	0.010	1	09/21/25 13:55	10/01/25 12:36	7439-95-4	
Molybdenum	**0.029**	mg/L	0.010	0.0025	1	09/21/25 13:55	10/01/25 12:36	7439-98-7	
Potassium	**5.8**	mg/L	0.40	0.10	1	09/21/25 13:55	10/01/25 12:36	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 12:36	7782-49-2	
Sodium	**11.4**	mg/L	0.40	0.15	1	09/21/25 13:55	10/01/25 12:36	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/21/25 13:55	10/01/25 12:36	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/23/25 17:27	09/23/25 20:39	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Sample: MCD-DGWC-121 **Lab ID: 92817554011** Collected: 09/16/25 14:25 Received: 09/17/25 09:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00558**	mg/L	0.00200	0.000600	1	09/20/25 09:26	10/13/25 12:03	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**90.0**	mg/L	5.0	5.0	1		09/26/25 16:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/26/25 16:30		
Alkalinity, Total as CaCO3	**90.0**	mg/L	5.0	5.0	1		09/26/25 16:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**262**	mg/L	25.0	25.0	1		09/23/25 01:01		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**5.2**	mg/L	1.0	0.60	1		09/18/25 11:06	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/18/25 11:06	16984-48-8	
Sulfate	**93.9**	mg/L	1.0	0.50	1		09/18/25 11:06	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/21/25 13:55	10/01/25 12:45	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/21/25 13:55	10/01/25 12:45	7440-38-2	
Barium	**0.049**	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 12:45	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/21/25 13:55	10/01/25 12:45	7440-41-7	
Boron	**2.1**	mg/L	0.40	0.062	10	09/21/25 13:55	10/02/25 11:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/21/25 13:55	10/01/25 12:45	7440-43-9	
Calcium	**44.3**	mg/L	4.0	1.0	10	09/21/25 13:55	10/02/25 11:21	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 12:45	7440-47-3	
Cobalt	**0.0014J**	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 12:45	7440-48-4	
Iron	**1.4**	mg/L	0.040	0.012	1	09/21/25 13:55	10/01/25 12:45	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/21/25 13:55	10/01/25 12:45	7439-92-1	
Magnesium	**12.4**	mg/L	0.050	0.010	1	09/21/25 13:55	10/01/25 12:45	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	09/21/25 13:55	10/01/25 12:45	7439-98-7	
Potassium	**3.5**	mg/L	0.40	0.10	1	09/21/25 13:55	10/01/25 12:45	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	10/01/25 12:45	7782-49-2	
Sodium	**10.2**	mg/L	0.40	0.15	1	09/21/25 13:55	10/01/25 12:45	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/21/25 13:55	10/01/25 12:45	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/23/25 17:27	09/23/25 20:42	7439-97-6	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 2600258
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92817554001, 92817554002

METHOD BLANK: R4278098-1 Matrix: Water
Associated Lab Samples: 92817554001, 92817554002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	09/24/25 21:21	

LABORATORY CONTROL SAMPLE: R4278098-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0455	91.0	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4278098-4 R4278098-5

Parameter	Units	L1897183-07 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.0115	0.0500	0.0500	0.0546	0.0528	86.3	82.5	75.0-125	3.45	20	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 2602454
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92817554003, 92817554004

METHOD BLANK: R4279035-2 Matrix: Water
Associated Lab Samples: 92817554003, 92817554004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	09/26/25 14:25	

LABORATORY CONTROL SAMPLE: R4279035-3

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0455	91.1	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4279035-5 R4279035-6

Parameter	Units	92817554003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00277	0.0500	0.0500	0.0473	0.0478	89.0	90.0	75.0-125	1.06	20	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 2604599
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92817554005, 92817554006, 92817554007, 92817554008, 92817554009, 92817554010, 92817554011

METHOD BLANK: R4286280-1 Matrix: Water
Associated Lab Samples: 92817554005, 92817554006, 92817554007, 92817554008, 92817554009, 92817554010, 92817554011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	10/13/25 10:47	

LABORATORY CONTROL SAMPLE: R4286280-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0527	105	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4286280-4 R4286280-5

Parameter	Units	L1899850-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.202	0.0500	0.0500	0.260	0.255	116	107	75.0-125	1.86	20	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 960673
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817554001, 92817554002

METHOD BLANK: 4936735 Matrix: Water
Associated Lab Samples: 92817554001, 92817554002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	09/17/25 02:12	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	09/17/25 02:12	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	09/17/25 02:12	

LABORATORY CONTROL SAMPLE: 4936736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.0	102	80-120	

LABORATORY CONTROL SAMPLE: 4936737

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.5	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4936738 4936739

Parameter	Units	92817554001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	87.8	50	50	136	136	96	96	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4936740 4936741

Parameter	Units	92817554002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	206	50	50	250	250	87	87	80-120	0	25	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 961560
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817554003, 92817554004

METHOD BLANK: 4941971 Matrix: Water
Associated Lab Samples: 92817554003, 92817554004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	09/19/25 19:19	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	09/19/25 19:19	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	09/19/25 19:19	

LABORATORY CONTROL SAMPLE: 4941972

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.1	102	80-120	

LABORATORY CONTROL SAMPLE: 4941973

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.1	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4941974 4941975

Parameter	Units	92818801001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	24.8	50	50	53.3	53.7	57	58	80-120	1	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4941976 4941977

Parameter	Units	92818801003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	36.9	50	50	66.9	65.7	60	58	80-120	2	25	M1

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 962328
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817554005, 92817554006, 92817554007, 92817554008, 92817554009, 92817554010, 92817554011

METHOD BLANK: 4945316 Matrix: Water
Associated Lab Samples: 92817554005, 92817554006, 92817554007, 92817554008, 92817554009, 92817554010, 92817554011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	09/26/25 14:12	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	09/26/25 14:12	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	09/26/25 14:12	

LABORATORY CONTROL SAMPLE: 4945317

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.0	104	80-120	

LABORATORY CONTROL SAMPLE: 4945318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.8	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4945319 4945320

Parameter	Units	92818765002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	115	50	50	164	169	99	109	80-120	3	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4945321 4945322

Parameter	Units	92817549032 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	82.0	50	50	136	131	107	98	80-120	3	25	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 960355
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817554001, 92817554002

METHOD BLANK: 4935056 Matrix: Water
Associated Lab Samples: 92817554001, 92817554002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	09/16/25 18:31	

LABORATORY CONTROL SAMPLE: 4935057

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	250	100	90-110	

SAMPLE DUPLICATE: 4935058

Parameter	Units	92817469002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	299	303	1	25	

SAMPLE DUPLICATE: 4935059

Parameter	Units	92817541007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	440	437	1	25	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 961537
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817554003, 92817554004

METHOD BLANK: 4941701 Matrix: Water
Associated Lab Samples: 92817554003, 92817554004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	09/19/25 16:38	

LABORATORY CONTROL SAMPLE: 4941702

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	240	96	90-110	

SAMPLE DUPLICATE: 4941705

Parameter	Units	92817558028 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

SAMPLE DUPLICATE: 4941706

Parameter	Units	92818531001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	997	997	0	25	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 961928 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817554005, 92817554006, 92817554007, 92817554008, 92817554009, 92817554010, 92817554011

METHOD BLANK: 4943382 Matrix: Water
Associated Lab Samples: 92817554005, 92817554006, 92817554007, 92817554008, 92817554009, 92817554010, 92817554011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	09/23/25 01:00	

LABORATORY CONTROL SAMPLE: 4943383

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	232	93	90-110	

SAMPLE DUPLICATE: 4943384

Parameter	Units	92817558029 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	481	510	6	25	

SAMPLE DUPLICATE: 4943385

Parameter	Units	92818912017 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	555	557	0	25	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 959452
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817554001, 92817554002

METHOD BLANK: 4930689 Matrix: Water
Associated Lab Samples: 92817554001, 92817554002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/10/25 22:12	
Fluoride	mg/L	ND	0.10	0.050	09/10/25 22:12	
Sulfate	mg/L	ND	1.0	0.50	09/10/25 22:12	

LABORATORY CONTROL SAMPLE: 4930690

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.3	103	90-110	
Fluoride	mg/L	2.5	2.7	109	90-110	
Sulfate	mg/L	50	51.2	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4930691 4930692

Parameter	Units	92817575001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.5	50	50	55.4	55.6	90	90	90-110	0	10	
Fluoride	mg/L	0.48J	2.5	2.5	3.0	3.3	101	113	90-110	10	10	M1
Sulfate	mg/L	2890	50	50	3030	3080	291	385	90-110	2	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4930693 4930694

Parameter	Units	92817541007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	6.1	50	50	56.3	57.8	100	103	90-110	3	10	
Fluoride	mg/L	0.14	2.5	2.5	2.8	2.8	104	107	90-110	2	10	
Sulfate	mg/L	226	50	50	260	262	70	73	90-110	1	10	M1

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 960657
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817554003, 92817554004

METHOD BLANK: 4936670 Matrix: Water
Associated Lab Samples: 92817554003, 92817554004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/16/25 22:18	
Fluoride	mg/L	ND	0.10	0.050	09/16/25 22:18	
Sulfate	mg/L	ND	1.0	0.50	09/16/25 22:18	

LABORATORY CONTROL SAMPLE: 4936671

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.3	101	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	50.8	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4936672 4936673

Parameter	Units	92817549021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.8	50	50	63.1	64.3	105	107	90-110	2	10	
Fluoride	mg/L	0.20	2.5	2.5	2.9	2.9	107	109	90-110	2	10	
Sulfate	mg/L	94.9	50	50	129	130	67	70	90-110	1	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4936674 4936675

Parameter	Units	92817558027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.1	50	50	56.7	57.5	105	107	90-110	1	10	
Fluoride	mg/L	0.15	2.5	2.5	3.3	3.2	124	123	90-110	1	10	M1
Sulfate	mg/L	144	50	50	216	184	144	81	90-110	16	10	M1,R1

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 960905
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817554005, 92817554006, 92817554007, 92817554008, 92817554009, 92817554010, 92817554011

METHOD BLANK: 4938212 Matrix: Water
Associated Lab Samples: 92817554005, 92817554006, 92817554007, 92817554008, 92817554009, 92817554010, 92817554011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/17/25 22:47	
Fluoride	mg/L	ND	0.10	0.050	09/17/25 22:47	
Sulfate	mg/L	ND	1.0	0.50	09/17/25 22:47	

LABORATORY CONTROL SAMPLE: 4938213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.9	100	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	49.1	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4938214 4938215

Parameter	Units	92818893003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	6.6	50	50	56.5	57.8	100	102	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	102	101	90-110	1	10	
Sulfate	mg/L	191	50	50	238	236	95	90	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4938216 4938217

Parameter	Units	92817558031 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	6.2	50	50	56.5	57.0	101	102	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	99	98	90-110	1	10	
Sulfate	mg/L	539	50	50	587	588	96	97	90-110	0	10	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 960249
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92817554001, 92817554002

METHOD BLANK: 4934667 Matrix: Water
Associated Lab Samples: 92817554001, 92817554002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	09/25/25 15:26	
Arsenic	mg/L	ND	0.0020	0.0012	09/25/25 15:26	
Barium	mg/L	ND	0.0050	0.0012	09/25/25 15:26	
Beryllium	mg/L	ND	0.00040	0.00015	09/25/25 15:26	
Boron	mg/L	ND	0.040	0.0062	09/25/25 15:26	
Cadmium	mg/L	ND	0.00050	0.00012	09/25/25 15:26	
Calcium	mg/L	ND	0.40	0.10	09/25/25 15:26	
Chromium	mg/L	ND	0.0050	0.0012	09/25/25 15:26	
Cobalt	mg/L	ND	0.0050	0.0012	09/25/25 15:26	
Iron	mg/L	ND	0.040	0.012	09/25/25 15:26	
Lead	mg/L	ND	0.0010	0.00025	09/25/25 15:26	
Magnesium	mg/L	ND	0.050	0.010	09/25/25 15:26	
Molybdenum	mg/L	ND	0.010	0.0025	09/25/25 15:26	
Potassium	mg/L	ND	0.40	0.10	09/25/25 15:26	
Selenium	mg/L	ND	0.0050	0.0012	09/25/25 15:26	
Sodium	mg/L	ND	0.40	0.15	09/25/25 15:26	
Thallium	mg/L	ND	0.00050	0.00015	09/25/25 15:26	

LABORATORY CONTROL SAMPLE: 4934668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.091	91	80-120	
Arsenic	mg/L	0.1	0.092	92	80-120	
Barium	mg/L	0.1	0.092	92	80-120	
Beryllium	mg/L	0.1	0.096	96	80-120	
Boron	mg/L	0.1	0.097	97	80-120	
Cadmium	mg/L	0.1	0.090	90	80-120	
Calcium	mg/L	1	0.87	87	80-120	
Chromium	mg/L	0.1	0.095	95	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Iron	mg/L	1	0.93	93	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Magnesium	mg/L	1	0.93	93	80-120	
Molybdenum	mg/L	0.1	0.096	96	80-120	
Potassium	mg/L	1	0.93	93	80-120	
Selenium	mg/L	0.1	0.088	88	80-120	
Sodium	mg/L	1	0.88	88	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4934669 4934670

Parameter	Units	92817554001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.096	0.096	95	96	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.098	0.095	97	95	75-125	2	20	
Barium	mg/L	0.066	0.1	0.1	0.16	0.16	90	93	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.11	0.11	107	105	75-125	2	20	
Boron	mg/L	4.4	0.1	0.1	4.4	4.5	28	101	75-125	2	20	M1
Cadmium	mg/L	0.00016J	0.1	0.1	0.093	0.093	93	93	75-125	0	20	
Calcium	mg/L	46.1	1	1	45.3	46.5	-74	42	75-125	3	20	M1
Chromium	mg/L	ND	0.1	0.1	0.093	0.091	92	90	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.096	0.094	95	93	75-125	2	20	
Iron	mg/L	0.057	1	1	0.97	0.95	92	90	75-125	2	20	
Lead	mg/L	0.0024	0.1	0.1	0.10	0.10	99	98	75-125	1	20	
Magnesium	mg/L	17.6	1	1	17.7	17.6	7	-2	75-125	0	20	M1
Molybdenum	mg/L	ND	0.1	0.1	0.098	0.095	98	94	75-125	4	20	
Potassium	mg/L	3.6	1	1	4.6	4.7	97	103	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.099	0.097	99	96	75-125	2	20	
Sodium	mg/L	11.2	1	1	12.4	12.3	114	103	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.098	0.097	97	97	75-125	0	20	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 961009
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92817554003, 92817554004

METHOD BLANK: 4938573 Matrix: Water
Associated Lab Samples: 92817554003, 92817554004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	09/27/25 12:14	
Arsenic	mg/L	ND	0.0020	0.0012	09/27/25 12:14	
Barium	mg/L	ND	0.0050	0.0012	09/27/25 12:14	
Beryllium	mg/L	ND	0.00040	0.00015	09/27/25 12:14	
Boron	mg/L	ND	0.040	0.0062	09/27/25 12:14	
Cadmium	mg/L	ND	0.00050	0.00012	09/27/25 12:14	
Calcium	mg/L	ND	0.40	0.10	09/27/25 12:14	
Chromium	mg/L	ND	0.0050	0.0012	09/27/25 12:14	
Cobalt	mg/L	ND	0.0050	0.0012	09/27/25 12:14	
Iron	mg/L	ND	0.040	0.012	09/27/25 12:14	
Lead	mg/L	ND	0.0010	0.00025	09/27/25 12:14	
Magnesium	mg/L	ND	0.050	0.010	09/27/25 12:14	
Molybdenum	mg/L	ND	0.010	0.0025	09/27/25 12:14	
Potassium	mg/L	ND	0.40	0.10	09/29/25 12:52	
Selenium	mg/L	ND	0.0050	0.0012	09/27/25 12:14	
Sodium	mg/L	ND	0.40	0.15	09/27/25 12:14	
Thallium	mg/L	ND	0.00050	0.00015	09/27/25 12:14	

LABORATORY CONTROL SAMPLE: 4938574

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.099	99	80-120	
Arsenic	mg/L	0.1	0.095	95	80-120	
Barium	mg/L	0.1	0.098	98	80-120	
Beryllium	mg/L	0.1	0.093	93	80-120	
Boron	mg/L	0.1	0.097	97	80-120	
Cadmium	mg/L	0.1	0.095	95	80-120	
Calcium	mg/L	1	0.92	92	80-120	
Chromium	mg/L	0.1	0.098	98	80-120	
Cobalt	mg/L	0.1	0.10	104	80-120	
Iron	mg/L	1	0.99	99	80-120	
Lead	mg/L	0.1	0.096	96	80-120	
Magnesium	mg/L	1	1.0	100	80-120	
Molybdenum	mg/L	0.1	0.10	102	80-120	
Potassium	mg/L	1	0.98	98	80-120	
Selenium	mg/L	0.1	0.093	93	80-120	
Sodium	mg/L	1	0.96	96	80-120	
Thallium	mg/L	0.1	0.095	95	80-120	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4938575 4938576

Parameter	Units	92818493004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	104	104	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.096	0.095	95	94	75-125	1	20	
Barium	mg/L	686 ug/L	0.1	0.1	0.80	0.80	110	116	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20	
Boron	mg/L	196 ug/L	0.1	0.1	0.29	0.29	96	90	75-125	2	20	
Cadmium	mg/L	ND	0.1	0.1	0.097	0.097	97	97	75-125	1	20	
Calcium	mg/L	106000 ug/L	1	1	110	112	413	582	75-125	2	20	M1
Chromium	mg/L	ND	0.1	0.1	0.095	0.094	94	93	75-125	1	20	
Cobalt	mg/L	11.5 ug/L	0.1	0.1	0.11	0.11	97	96	75-125	1	20	
Iron	mg/L	57700 ug/L	1	1	58.5	58.5	79	73	75-125	0	20	M1
Lead	mg/L	ND	0.1	0.1	0.10	0.10	104	102	75-125	1	20	
Magnesium	mg/L	34700 ug/L	1	1	35.6	35.4	87	69	75-125	1	20	M1
Molybdenum	mg/L	ND	0.1	0.1	0.094	0.093	94	93	75-125	1	20	
Potassium	mg/L	56200 ug/L	1	1	63.7	63.0	750	677	75-125	1	20	M1
Selenium	mg/L	ND	0.1	0.1	0.096	0.096	96	95	75-125	1	20	
Sodium	mg/L	11800 ug/L	1	1	13.5	13.0	176	127	75-125	4	20	M1
Thallium	mg/L	0.58 ug/L	0.1	0.1	0.11	0.10	105	103	75-125	2	20	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 961364
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92817554005, 92817554006, 92817554007, 92817554008, 92817554009, 92817554010, 92817554011

METHOD BLANK: 4940580 Matrix: Water
Associated Lab Samples: 92817554005, 92817554006, 92817554007, 92817554008, 92817554009, 92817554010, 92817554011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	10/01/25 11:16	
Arsenic	mg/L	ND	0.0020	0.0012	10/01/25 11:16	
Barium	mg/L	ND	0.0050	0.0012	10/01/25 11:16	
Beryllium	mg/L	ND	0.00040	0.00015	10/01/25 11:16	
Boron	mg/L	ND	0.040	0.0062	10/01/25 11:16	
Cadmium	mg/L	ND	0.00050	0.00012	10/01/25 11:16	
Calcium	mg/L	ND	0.40	0.10	10/01/25 11:16	
Chromium	mg/L	ND	0.0050	0.0012	10/01/25 11:16	
Cobalt	mg/L	ND	0.0050	0.0012	10/01/25 11:16	
Iron	mg/L	ND	0.040	0.012	10/01/25 11:16	
Lead	mg/L	ND	0.0010	0.00025	10/01/25 11:16	
Magnesium	mg/L	ND	0.050	0.010	10/01/25 11:16	
Molybdenum	mg/L	ND	0.010	0.0025	10/01/25 11:16	
Potassium	mg/L	ND	0.40	0.10	10/01/25 11:16	
Selenium	mg/L	ND	0.0050	0.0012	10/01/25 11:16	
Sodium	mg/L	ND	0.40	0.15	10/01/25 11:16	
Thallium	mg/L	ND	0.00050	0.00015	10/01/25 11:16	

LABORATORY CONTROL SAMPLE: 4940581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.096	96	80-120	
Arsenic	mg/L	0.1	0.093	93	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.095	95	80-120	
Boron	mg/L	0.1	0.099	99	80-120	
Cadmium	mg/L	0.1	0.096	96	80-120	
Calcium	mg/L	1	1.1	105	80-120	
Chromium	mg/L	0.1	0.098	98	80-120	
Cobalt	mg/L	0.1	0.10	103	80-120	
Iron	mg/L	1	0.95	95	80-120	
Lead	mg/L	0.1	0.098	98	80-120	
Magnesium	mg/L	1	1.0	100	80-120	
Molybdenum	mg/L	0.1	0.094	94	80-120	
Potassium	mg/L	1	1.1	107	80-120	
Selenium	mg/L	0.1	0.089	89	80-120	
Sodium	mg/L	1	0.97	97	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4940582 4940583

Parameter	Units	92819032002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20	
Barium	mg/L	16.3 ug/L	0.1	0.1	0.11	0.11	96	96	75-125	0	20	
Beryllium	mg/L	3.9 ug/L	0.1	0.1	0.096	0.096	92	92	75-125	0	20	
Boron	mg/L	0.40	0.1	0.1	0.49	0.51	90	101	75-125	2	20	
Cadmium	mg/L	1.6 ug/L	0.1	0.1	0.096	0.097	94	96	75-125	1	20	
Calcium	mg/L	45.0	1	1	46.4	46.0	141	101	75-125	1	20	M1
Chromium	mg/L	ND	0.1	0.1	0.091	0.092	91	92	75-125	1	20	
Cobalt	mg/L	0.23	0.1	0.1	0.32	0.32	88	89	75-125	0	20	
Iron	mg/L	1360 ug/L	1	1	2.3	2.3	89	90	75-125	0	20	
Lead	mg/L	0.29J ug/L	0.1	0.1	0.096	0.098	95	97	75-125	2	20	
Magnesium	mg/L	12500 ug/L	1	1	12.9	12.9	42	42	75-125	0	20	M1
Molybdenum	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20	
Potassium	mg/L	10500 ug/L	1	1	11.2	11.2	73	69	75-125	0	20	M1
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20	
Sodium	mg/L	14200 ug/L	1	1	14.6	14.6	39	47	75-125	1	20	M1
Thallium	mg/L	ND	0.1	0.1	0.096	0.099	96	99	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 959684
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92817554001, 92817554002

METHOD BLANK: 4932017 Matrix: Water
Associated Lab Samples: 92817554001, 92817554002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	09/12/25 01:45	

LABORATORY CONTROL SAMPLE: 4932018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0022	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4932019 4932020

Parameter	Units	92812200004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0021	0.0020	103	102	80-120	0	20	H1

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 961113
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92817554003, 92817554004

METHOD BLANK: 4938874 Matrix: Water
Associated Lab Samples: 92817554003, 92817554004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	09/20/25 13:52	

LABORATORY CONTROL SAMPLE: 4938875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0022	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4938876 4938877

Parameter	Units	92818758002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0019	0.0020	94	96	80-120	3	20	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

QC Batch: 961115
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92817554005, 92817554006, 92817554007, 92817554008, 92817554009, 92817554010, 92817554011

METHOD BLANK: 4938880 Matrix: Water
Associated Lab Samples: 92817554005, 92817554006, 92817554007, 92817554008, 92817554009, 92817554010, 92817554011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	09/23/25 20:03	

LABORATORY CONTROL SAMPLE: 4938881

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0020	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4938882 4938883

Parameter	Units	92817558029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	0.000095J	0.002	0.002	0.0021	0.0021	98	99	80-120	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92817554

[1]	WSP
[2]	DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

ANALYTE QUALIFIERS

H1	Analysis conducted outside the EPA method holding time.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92817554001	**MCD-DGWC-67**	3015	2600258	EPA 6020B	2600258
92817554002	**MCD-DGWC-68A**	3015	2600258	EPA 6020B	2600258
92817554003	**MCD-DGWC-38**	3015	2602454	EPA 6020B	2602454
92817554004	**MCD-AP1-EB-1**	3015	2602454	EPA 6020B	2602454
92817554005	**MCD-DGWC-40**	3015	2604599	EPA 6020B	2604599
92817554006	**MCD-DGWC-37**	3015	2604599	EPA 6020B	2604599
92817554007	**MCD-AP1-FB-1**	3015	2604599	EPA 6020B	2604599
92817554008	**MCD-DGWC-39**	3015	2604599	EPA 6020B	2604599
92817554009	**MCD-AP1-FD-1**	3015	2604599	EPA 6020B	2604599
92817554010	**MCD-DGWC-69**	3015	2604599	EPA 6020B	2604599
92817554011	**MCD-DGWC-121**	3015	2604599	EPA 6020B	2604599
92817554001	**MCD-DGWC-67**	SM 2320B-2021	960673		
92817554002	**MCD-DGWC-68A**	SM 2320B-2021	960673		
92817554003	**MCD-DGWC-38**	SM 2320B-2021	961560		
92817554004	**MCD-AP1-EB-1**	SM 2320B-2021	961560		
92817554005	**MCD-DGWC-40**	SM 2320B-2021	962328		
92817554006	**MCD-DGWC-37**	SM 2320B-2021	962328		
92817554007	**MCD-AP1-FB-1**	SM 2320B-2021	962328		
92817554008	**MCD-DGWC-39**	SM 2320B-2021	962328		
92817554009	**MCD-AP1-FD-1**	SM 2320B-2021	962328		
92817554010	**MCD-DGWC-69**	SM 2320B-2021	962328		
92817554011	**MCD-DGWC-121**	SM 2320B-2021	962328		
92817554001	**MCD-DGWC-67**	SM 2540C-2020	960355		
92817554002	**MCD-DGWC-68A**	SM 2540C-2020	960355		
92817554003	**MCD-DGWC-38**	SM 2540C-2020	961537		
92817554004	**MCD-AP1-EB-1**	SM 2540C-2020	961537		
92817554005	**MCD-DGWC-40**	SM 2540C-2020	961928		
92817554006	**MCD-DGWC-37**	SM 2540C-2020	961928		
92817554007	**MCD-AP1-FB-1**	SM 2540C-2020	961928		
92817554008	**MCD-DGWC-39**	SM 2540C-2020	961928		
92817554009	**MCD-AP1-FD-1**	SM 2540C-2020	961928		
92817554010	**MCD-DGWC-69**	SM 2540C-2020	961928		
92817554011	**MCD-DGWC-121**	SM 2540C-2020	961928		
92817554001	**MCD-DGWC-67**	EPA 300.0 Rev 2.1 1993	959452		
92817554002	**MCD-DGWC-68A**	EPA 300.0 Rev 2.1 1993	959452		
92817554003	**MCD-DGWC-38**	EPA 300.0 Rev 2.1 1993	960657		
92817554004	**MCD-AP1-EB-1**	EPA 300.0 Rev 2.1 1993	960657		
92817554005	**MCD-DGWC-40**	EPA 300.0 Rev 2.1 1993	960905		
92817554006	**MCD-DGWC-37**	EPA 300.0 Rev 2.1 1993	960905		
92817554007	**MCD-AP1-FB-1**	EPA 300.0 Rev 2.1 1993	960905		
92817554008	**MCD-DGWC-39**	EPA 300.0 Rev 2.1 1993	960905		
92817554009	**MCD-AP1-FD-1**	EPA 300.0 Rev 2.1 1993	960905		
92817554010	**MCD-DGWC-69**	EPA 300.0 Rev 2.1 1993	960905		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-1 Detection Netwo
Pace Project No.: 92817554

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92817554011	**MCD-DGWC-121**	EPA 300.0 Rev 2.1 1993	960905		
92817554001	**MCD-DGWC-67**	EPA 3005A	960249	EPA 6020B	962795
92817554002	**MCD-DGWC-68A**	EPA 3005A	960249	EPA 6020B	962795
92817554003	**MCD-DGWC-38**	EPA 3005A	961009	EPA 6020B	963130
92817554004	**MCD-AP1-EB-1**	EPA 3005A	961009	EPA 6020B	963130
92817554005	**MCD-DGWC-40**	EPA 3005A	961364	EPA 6020B	963973
92817554006	**MCD-DGWC-37**	EPA 3005A	961364	EPA 6020B	963973
92817554007	**MCD-AP1-FB-1**	EPA 3005A	961364	EPA 6020B	963973
92817554008	**MCD-DGWC-39**	EPA 3005A	961364	EPA 6020B	963973
92817554009	**MCD-AP1-FD-1**	EPA 3005A	961364	EPA 6020B	963973
92817554010	**MCD-DGWC-69**	EPA 3005A	961364	EPA 6020B	963973
92817554011	**MCD-DGWC-121**	EPA 3005A	961364	EPA 6020B	963973
92817554001	**MCD-DGWC-67**	EPA 7470A	959684	EPA 7470A	959935
92817554002	**MCD-DGWC-68A**	EPA 7470A	959684	EPA 7470A	959935
92817554003	**MCD-DGWC-38**	EPA 7470A	961113	EPA 7470A	961643
92817554004	**MCD-AP1-EB-1**	EPA 7470A	961113	EPA 7470A	961643
92817554005	**MCD-DGWC-40**	EPA 7470A	961115	EPA 7470A	962666
92817554006	**MCD-DGWC-37**	EPA 7470A	961115	EPA 7470A	962666
92817554007	**MCD-AP1-FB-1**	EPA 7470A	961115	EPA 7470A	962666
92817554008	**MCD-DGWC-39**	EPA 7470A	961115	EPA 7470A	962666
92817554009	**MCD-AP1-FD-1**	EPA 7470A	961115	EPA 7470A	962666
92817554010	**MCD-DGWC-69**	EPA 7470A	961115	EPA 7470A	962666
92817554011	**MCD-DGWC-121**	EPA 7470A	961115	EPA 7470A	962666

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: CA Power

Project #: WO# : 92817554

92817554

Courier: ☑ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other:

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 9/10/25 ow

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:

☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.0 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 2.0

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

Page 1 of 2

F200

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92817554

PM: BV Due Date: 09/24/25

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one) Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (C-)	VSGU-20 mL Scintilation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		2	1		2		2																							
2		2	1		2		2																							
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

1 Of 1

Section A — Required Client Information:

Company:	Georgia Power - Coal Combustion Residuals
Address:	2480 Maner Road
	Atlanta, GA 30339
Email:	JABRAHAM@SOUTHERNCO.COM
Phone:	(470) 620-6176
Fax:	
Requested Due Date:	10 Day TAT

Section B — Required Project Information:

Report To:	Jaju Abraham
Copy To:	WSP
Purchase Order #:	
Project Name:	Plant McD AP-1 Detection Network
Project #:	31406440 McD23

Section C — Invoice Information:

Attention:	scsinvoices@southernco.com
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	

Regulatory Agency: _____

State / Location: GA

Requested Analysis Filtered (Y/N)

Task Code = MCD-CCR-ASSMT-2025S2

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX CODE (see valid codes to left): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

SAMPLE TYPE (G=GRAB C=COMP)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Analyses Test Y/N	App III/IV metals* + Mg, Na, K, Fe	Cl, F, SO4	Radium 9315/9320	TDS	Alkalinity	Residual Chlorine (Y/N)	
2	MCD-DGWC-67	WG	G	9/9/25	13:46		8	3		4		[illegible]	JS				X	X	X	X	X		9281754
4	MCD-DGWC-68A	WG	G	9/9/25	12:20		8	3		4		[illegible]	JS				X	X	X	X	X		UU1
5																	X	X	X	X	X		UU2
6																							
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE
Task Code = MCD-CCR-ASSMT-2025S2	Jacob Sfurky	9/10/25	0833	G-Seymour	9-10-25
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl				9/10/25 0945	

DATE Signed: _____

SAMPLE CONDITIONS			
TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace ☐ Other:

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 9/16/25 MV

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:
☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.0 Correction Factor: Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 4.0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP/N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	DP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	nGAU-40 mL Amber Unpreserved vials (N/A)
CC																														
1		2	1		2		2																							
2		2	1		2		2																							
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

1 Of 1

Section A — Required Client Information:

Company:	Georgia Power - Coal Combustion Residuals
Address:	2480 Maner Road
	Atlanta, GA 30339
Email:	JABRAHAM@SOUTHERNCO.COM
Phone:	(470) 620-6176
Fax:	
Requested Due Date:	10 Day TAT

Section B — Required Project Information:

Report To:	Joju Abraham
Copy To:	WSP
Purchase Order #:	
Project Name:	Plant McD AP-1 Detection Network
Project #:	31406440.McD23

Section C — Invoice Information:

Attention:	scsinvoices@southernco.com
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	

Regulatory Agency:

State / Location: GA

Requested Analysis Filtered (Y/N)

Task Code = MCD-CCR-ASSMT-2025S2

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Analyses Test Y/N	App III/IV metals* + Mg, Na, K, Fe	Cl, F, SO4	Radium 9315/9320	TDS	Alkalinity				Residual Chlorine (Y/N)	92817554
																	N	N	N	N	N	N				
1	MCD-DGWC-38	WG	G	9/15/25	15:53		7	3		4							X	X	X	X	X					003
2	MCD-AP1-EB-1	WQ	G	9/15/25	16:23		7	3		4							X	X	X	X	X					004
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE
Task Code = MCD-CCR-ASSMT-2025S2	Jacob Stucky	9/16/25	0840		9/16/25
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl				9/16/25	1020

DATE Signed:

SAMPLE CONDITIONS			
TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☒ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO# : 92817554

PM: BV Due Date: 09/24/25

CLIENT: 92-GA Power

Courier: ☒ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other:

Custody Seal Present? ☒ Yes ☐ No Seals Intact? ☒ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 9/17/25 AW

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Thermometer: ☐ IR Gun ID: 214

Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temp: 3.2 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.2

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☒ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	4.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☒ No	☐ N/A	8.
Sample Labels Match COC?	☒ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☒ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☒ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☒ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92817554

PM: BV Due Date: 09/24/25

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client GA Power Profile/EZ (Circle one) Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	DP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGDU-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																													
1		2	1		2		2																						
2		2	1		2		2																						
3		2	1		2		2																						
4		2	1		2		2																						
5		2	1		2		2																						
6		2	1		2		2																						
7		2	1		2		2																						
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Georgia Power - Coal Combustion Residuals	Report To:	Joju Abraham	Attention:	scsinvoices@southernco.com
Address:	2480 Maner Road	Copy To:	WSP	Company Name:	
	Atlanta, GA 30339			Address:	
Email:	JABRAHAM@SOUTHERNCO.COM	Purchase Order #:		Pace Quote:	
Phone:	(470) 620-6176 Fax:	Project Name:	Plant McD AP-1 Detection Network	Pace Project Manager:	Bonnie Vang
Requested Due Date:	10 Day TAT	Project #:	31406440.McD23	Pace Profile #:	

Regulatory Agency

State / Location: GA

Task Code = MCD-CCR-ASSMT-2025S2

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Analyses Test Y/N	App III/IV metals* + Mg, Na, K, Fe	Cl, F, SO4	Radium 9315/9320	TDS	Alkalinity	Residual Chlorine (Y/N)	
	Requested Analysis Filtered (Y/N)															Y/N	N	N	N	N	N	N	
1	MCD-DGWC-40	WG	G	9/16/25	13:21		9	3		6							X	X	X	X	X		005 EXTRA RAD
2	MCD-DGWC-37	WG	G	9/16/25	10:04		7	3		4							X	X	X	X	X		006
3	MCD-AP1-FB-1	WQ	G	9/16/25	10:34		7	3		4							X	X	X	X	X		007
4	MCD-DGWC-39	WG	G	9/16/25	11:40		7	3		4							X	X	X	X	X		008
5	MCD-AP1-FD-1	WG	G	9/16/25	-		7	3		4							X	X	X	X	X		009
6	MCD-DGWC-69	WG	G	9/16/25	12:38		7	3		4							X	X	X	X	X		010
7	MCD-DGWC-121	WG	G	9/16/25	14:25		7	3		4							X	X	X	X	X		011 BV 9-17-25
8																							
9																							
10																							
11																							
12																							

Residual Chlorine (Y/N): 92817554

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE
Task Code = MCD-CCR-ASSMT-2025S2	Jacob Stucky	9/17/25	0822		9/17/25
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl				9/17/25 0947	

DATE Signed:

SAMPLE CONDITIONS			
TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 16, 2025

Joju Abraham
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 16, 2025 and September 17, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, WSP
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc - Atlanta

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92818527001	**MCD-B-62**	Water	09/15/25 13:06	09/16/25 10:20
92818527002	**MCD-B-100**	Water	09/16/25 09:59	09/17/25 09:47

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92818527001	**MCD-B-62**	EPA 6020B	SJM	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92818527002	**MCD-B-100**	EPA 6020B	JPD	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	NSS	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	CBP	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

Sample: MCD-B-62 **Lab ID: 92818527001** Collected: 09/15/25 13:06 Received: 09/16/25 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00895**	mg/L	0.00200	0.000600	1	09/18/25 08:24	09/28/25 12:26	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**84.0**	mg/L	5.0	5.0	1		09/19/25 21:33		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/19/25 21:33		
Alkalinity, Total as CaCO3	**84.0**	mg/L	5.0	5.0	1		09/19/25 21:33		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**183**	mg/L	25.0	25.0	1		09/19/25 16:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**5.3**	mg/L	1.0	0.60	1		09/17/25 11:56	16887-00-6	
Fluoride	**0.14**	mg/L	0.10	0.050	1		09/17/25 11:56	16984-48-8	
Sulfate	**41.7**	mg/L	1.0	0.50	1		09/17/25 11:56	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/18/25 18:30	09/27/25 15:28	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/18/25 18:30	09/27/25 15:28	7440-38-2	
Barium	**0.016**	mg/L	0.0050	0.0012	1	09/18/25 18:30	09/27/25 15:28	7440-39-3	
Beryllium	**0.00017J**	mg/L	0.00040	0.00015	1	09/18/25 18:30	09/27/25 15:28	7440-41-7	
Boron	**0.061**	mg/L	0.040	0.0062	1	09/18/25 18:30	09/27/25 15:28	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/18/25 18:30	09/27/25 15:28	7440-43-9	
Calcium	**32.6**	mg/L	0.80	0.20	2	09/18/25 18:30	10/01/25 04:01	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/18/25 18:30	09/27/25 15:28	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	09/18/25 18:30	09/27/25 15:28	7440-48-4	
Iron	**6.0**	mg/L	0.040	0.012	1	09/18/25 18:30	09/27/25 15:28	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/18/25 18:30	09/27/25 15:28	7439-92-1	
Magnesium	**4.9**	mg/L	0.050	0.010	1	09/18/25 18:30	09/27/25 15:28	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	09/18/25 18:30	09/27/25 15:28	7439-98-7	
Potassium	**2.1**	mg/L	0.80	0.20	2	09/18/25 18:30	10/01/25 04:01	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/18/25 18:30	09/27/25 15:28	7782-49-2	
Sodium	**10.2**	mg/L	0.40	0.15	1	09/18/25 18:30	09/27/25 15:28	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/18/25 18:30	09/27/25 15:28	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/20/25 09:41	09/20/25 14:07	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

Sample: MCD-B-100 **Lab ID: 92818527002** Collected: 09/16/25 09:59 Received: 09/17/25 09:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00275**	mg/L	0.00200	0.000600	1	09/20/25 10:58	10/10/25 23:13	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**32.5**	mg/L	5.0	5.0	1		09/26/25 15:13		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/26/25 15:13		
Alkalinity, Total as CaCO3	**32.5**	mg/L	5.0	5.0	1		09/26/25 15:13		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**613**	mg/L	25.0	25.0	1		09/23/25 01:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**8.4**	mg/L	1.0	0.60	1		09/18/25 07:59	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/18/25 07:59	16984-48-8	
Sulfate	**302**	mg/L	7.0	3.5	7		09/18/25 13:44	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/21/25 13:55	09/30/25 20:26	7440-36-0	
Arsenic	**0.0015J**	mg/L	0.0020	0.0012	1	09/21/25 13:55	09/30/25 20:26	7440-38-2	
Barium	**0.027**	mg/L	0.0050	0.0012	1	09/21/25 13:55	09/30/25 20:26	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/21/25 13:55	09/30/25 20:26	7440-41-7	
Boron	**0.034J**	mg/L	0.040	0.0062	1	09/21/25 13:55	09/30/25 20:26	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/21/25 13:55	09/30/25 20:26	7440-43-9	
Calcium	**3.8**	mg/L	0.40	0.10	1	09/21/25 13:55	09/30/25 20:26	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	09/30/25 20:26	7440-47-3	
Cobalt	**0.0020J**	mg/L	0.0050	0.0012	1	09/21/25 13:55	09/30/25 20:26	7440-48-4	
Iron	**3.4**	mg/L	0.040	0.012	1	09/21/25 13:55	09/30/25 20:26	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/21/25 13:55	09/30/25 20:26	7439-92-1	
Magnesium	**1.0**	mg/L	0.050	0.010	1	09/21/25 13:55	09/30/25 20:26	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	09/21/25 13:55	09/30/25 20:26	7439-98-7	
Potassium	**5.2**	mg/L	0.40	0.10	1	09/21/25 13:55	09/30/25 20:26	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/21/25 13:55	09/30/25 20:26	7782-49-2	
Sodium	**15.0**	mg/L	0.40	0.15	1	09/21/25 13:55	09/30/25 20:26	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/21/25 13:55	09/30/25 20:26	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/20/25 09:41	09/20/25 14:55	7439-97-6	

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

QC Batch: 2602454
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92818527001

METHOD BLANK: R4279035-2 Matrix: Water
Associated Lab Samples: 92818527001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	09/26/25 14:25	

LABORATORY CONTROL SAMPLE: R4279035-3

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0455	91.1	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4279035-5 R4279035-6

Parameter	Units	L1897138-03 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00277	0.0500	0.0500	0.0473	0.0478	89.0	90.0	75.0-125	1.06	20	

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

QC Batch: 2604600
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92818527002

METHOD BLANK: R4285641-1 Matrix: Water
Associated Lab Samples: 92818527002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	10/10/25 22:04	

LABORATORY CONTROL SAMPLE: R4285641-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0520	104	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4285641-4 R4285641-5

Parameter	Units	L1899959-06 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00576	0.0500	0.0500	0.0562	0.0562	101	101	75.0-125	0.016	20	

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

QC Batch: 961560
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92818527001

METHOD BLANK: 4941971 Matrix: Water
Associated Lab Samples: 92818527001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	09/19/25 19:19	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	09/19/25 19:19	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	09/19/25 19:19	

LABORATORY CONTROL SAMPLE: 4941972

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.1	102	80-120	

LABORATORY CONTROL SAMPLE: 4941973

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.1	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4941974 4941975

Parameter	Units	92818801001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	24.8	50	50	53.3	53.7	57	58	80-120	1	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4941976 4941977

Parameter	Units	92818801003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	36.9	50	50	66.9	65.7	60	58	80-120	2	25	M1

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

QC Batch: 962328
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92818527002

METHOD BLANK: 4945316 Matrix: Water
Associated Lab Samples: 92818527002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	09/26/25 14:12	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	09/26/25 14:12	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	09/26/25 14:12	

LABORATORY CONTROL SAMPLE: 4945317

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.0	104	80-120	

LABORATORY CONTROL SAMPLE: 4945318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.8	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4945319 4945320

Parameter	Units	92818765002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	115	50	50	164	169	99	109	80-120	3	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4945321 4945322

Parameter	Units	92817549032 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	82.0	50	50	136	131	107	98	80-120	3	25	

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

QC Batch: 961537
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92818527001

METHOD BLANK: 4941701 Matrix: Water
Associated Lab Samples: 92818527001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	09/19/25 16:38	

LABORATORY CONTROL SAMPLE: 4941702

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	240	96	90-110	

SAMPLE DUPLICATE: 4941705

Parameter	Units	92817558028 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

SAMPLE DUPLICATE: 4941706

Parameter	Units	92818531001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	997	997	0	25	

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

QC Batch: 961927
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92818527002

METHOD BLANK: 4943378 Matrix: Water
Associated Lab Samples: 92818527002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	09/23/25 01:10	

LABORATORY CONTROL SAMPLE: 4943379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	252	101	90-110	

SAMPLE DUPLICATE: 4943380

Parameter	Units	92818679003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	315	316	0	25	

SAMPLE DUPLICATE: 4943381

Parameter	Units	92818679007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	742	749	1	25	

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

QC Batch: 960657
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92818527001

METHOD BLANK: 4936670 Matrix: Water
Associated Lab Samples: 92818527001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/16/25 22:18	
Fluoride	mg/L	ND	0.10	0.050	09/16/25 22:18	
Sulfate	mg/L	ND	1.0	0.50	09/16/25 22:18	

LABORATORY CONTROL SAMPLE: 4936671

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.3	101	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	50.8	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4936672 4936673

Parameter	Units	92817549021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.8	50	50	63.1	64.3	105	107	90-110	2	10	
Fluoride	mg/L	0.20	2.5	2.5	2.9	2.9	107	109	90-110	2	10	
Sulfate	mg/L	94.9	50	50	129	130	67	70	90-110	1	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4936674 4936675

Parameter	Units	92817558027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.1	50	50	56.7	57.5	105	107	90-110	1	10	
Fluoride	mg/L	0.15	2.5	2.5	3.3	3.2	124	123	90-110	1	10	M1
Sulfate	mg/L	144	50	50	216	184	144	81	90-110	16	10	M1,R1

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

QC Batch: 960905
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92818527002

METHOD BLANK: 4938212 Matrix: Water
Associated Lab Samples: 92818527002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/17/25 22:47	
Fluoride	mg/L	ND	0.10	0.050	09/17/25 22:47	
Sulfate	mg/L	ND	1.0	0.50	09/17/25 22:47	

LABORATORY CONTROL SAMPLE: 4938213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.9	100	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	49.1	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4938214 4938215

Parameter	Units	92818893003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	6.6	50	50	56.5	57.8	100	102	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	102	101	90-110	1	10	
Sulfate	mg/L	191	50	50	238	236	95	90	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4938216 4938217

Parameter	Units	92817558031 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	6.2	50	50	56.5	57.0	101	102	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	99	98	90-110	1	10	
Sulfate	mg/L	539	50	50	587	588	96	97	90-110	0	10	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

QC Batch: 961009
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92818527001

METHOD BLANK: 4938573 Matrix: Water
Associated Lab Samples: 92818527001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	09/27/25 12:14	
Arsenic	mg/L	ND	0.0020	0.0012	09/27/25 12:14	
Barium	mg/L	ND	0.0050	0.0012	09/27/25 12:14	
Beryllium	mg/L	ND	0.00040	0.00015	09/27/25 12:14	
Boron	mg/L	ND	0.040	0.0062	09/27/25 12:14	
Cadmium	mg/L	ND	0.00050	0.00012	09/27/25 12:14	
Calcium	mg/L	ND	0.40	0.10	09/27/25 12:14	
Chromium	mg/L	ND	0.0050	0.0012	09/27/25 12:14	
Cobalt	mg/L	ND	0.0050	0.0012	09/27/25 12:14	
Iron	mg/L	ND	0.040	0.012	09/27/25 12:14	
Lead	mg/L	ND	0.0010	0.00025	09/27/25 12:14	
Magnesium	mg/L	ND	0.050	0.010	09/27/25 12:14	
Molybdenum	mg/L	ND	0.010	0.0025	09/27/25 12:14	
Potassium	mg/L	ND	0.40	0.10	09/29/25 12:52	
Selenium	mg/L	ND	0.0050	0.0012	09/27/25 12:14	
Sodium	mg/L	ND	0.40	0.15	09/27/25 12:14	
Thallium	mg/L	ND	0.00050	0.00015	09/27/25 12:14	

LABORATORY CONTROL SAMPLE: 4938574

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.099	99	80-120	
Arsenic	mg/L	0.1	0.095	95	80-120	
Barium	mg/L	0.1	0.098	98	80-120	
Beryllium	mg/L	0.1	0.093	93	80-120	
Boron	mg/L	0.1	0.097	97	80-120	
Cadmium	mg/L	0.1	0.095	95	80-120	
Calcium	mg/L	1	0.92	92	80-120	
Chromium	mg/L	0.1	0.098	98	80-120	
Cobalt	mg/L	0.1	0.10	104	80-120	
Iron	mg/L	1	0.99	99	80-120	
Lead	mg/L	0.1	0.096	96	80-120	
Magnesium	mg/L	1	1.0	100	80-120	
Molybdenum	mg/L	0.1	0.10	102	80-120	
Potassium	mg/L	1	0.98	98	80-120	
Selenium	mg/L	0.1	0.093	93	80-120	
Sodium	mg/L	1	0.96	96	80-120	
Thallium	mg/L	0.1	0.095	95	80-120	

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(704)875-9092

QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4938575 4938576

Parameter	Units	92818493004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	104	104	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.096	0.095	95	94	75-125	1	20	
Barium	mg/L	686 ug/L	0.1	0.1	0.80	0.80	110	116	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20	
Boron	mg/L	196 ug/L	0.1	0.1	0.29	0.29	96	90	75-125	2	20	
Cadmium	mg/L	ND	0.1	0.1	0.097	0.097	97	97	75-125	1	20	
Calcium	mg/L	106000 ug/L	1	1	110	112	413	582	75-125	2	20	M1
Chromium	mg/L	ND	0.1	0.1	0.095	0.094	94	93	75-125	1	20	
Cobalt	mg/L	11.5 ug/L	0.1	0.1	0.11	0.11	97	96	75-125	1	20	
Iron	mg/L	57700 ug/L	1	1	58.5	58.5	79	73	75-125	0	20	M1
Lead	mg/L	ND	0.1	0.1	0.10	0.10	104	102	75-125	1	20	
Magnesium	mg/L	34700 ug/L	1	1	35.6	35.4	87	69	75-125	1	20	M1
Molybdenum	mg/L	ND	0.1	0.1	0.094	0.093	94	93	75-125	1	20	
Potassium	mg/L	56200 ug/L	1	1	63.7	63.0	750	677	75-125	1	20	M1
Selenium	mg/L	ND	0.1	0.1	0.096	0.096	96	95	75-125	1	20	
Sodium	mg/L	11800 ug/L	1	1	13.5	13.0	176	127	75-125	4	20	M1
Thallium	mg/L	0.58 ug/L	0.1	0.1	0.11	0.10	105	103	75-125	2	20	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

QC Batch: 961363
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92818527002

METHOD BLANK: 4940576 Matrix: Water
Associated Lab Samples: 92818527002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	09/30/25 18:22	
Arsenic	mg/L	ND	0.0020	0.0012	09/30/25 18:22	
Barium	mg/L	ND	0.0050	0.0012	09/30/25 18:22	
Beryllium	mg/L	ND	0.00040	0.00015	09/30/25 18:22	
Boron	mg/L	ND	0.040	0.0062	09/30/25 18:22	
Cadmium	mg/L	ND	0.00050	0.00012	09/30/25 18:22	
Calcium	mg/L	ND	0.40	0.10	09/30/25 18:22	
Chromium	mg/L	ND	0.0050	0.0012	09/30/25 18:22	
Cobalt	mg/L	ND	0.0050	0.0012	09/30/25 18:22	
Iron	mg/L	ND	0.040	0.012	09/30/25 18:22	
Lead	mg/L	ND	0.0010	0.00025	09/30/25 18:22	
Magnesium	mg/L	ND	0.050	0.010	09/30/25 18:22	
Molybdenum	mg/L	ND	0.010	0.0025	09/30/25 18:22	
Potassium	mg/L	ND	0.40	0.10	09/30/25 18:22	
Selenium	mg/L	ND	0.0050	0.0012	09/30/25 18:22	
Sodium	mg/L	ND	0.40	0.15	09/30/25 18:22	
Thallium	mg/L	ND	0.00050	0.00015	09/30/25 18:22	

LABORATORY CONTROL SAMPLE: 4940577

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.096	96	80-120	
Arsenic	mg/L	0.1	0.092	92	80-120	
Barium	mg/L	0.1	0.094	94	80-120	
Beryllium	mg/L	0.1	0.087	87	80-120	
Boron	mg/L	0.1	0.094	94	80-120	
Cadmium	mg/L	0.1	0.090	90	80-120	
Calcium	mg/L	1	0.88	88	80-120	
Chromium	mg/L	0.1	0.093	93	80-120	
Cobalt	mg/L	0.1	0.099	99	80-120	
Iron	mg/L	1	0.94	94	80-120	
Lead	mg/L	0.1	0.095	95	80-120	
Magnesium	mg/L	1	0.93	93	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Potassium	mg/L	1	0.88	88	80-120	
Selenium	mg/L	0.1	0.091	91	80-120	
Sodium	mg/L	1	0.87	87	80-120	
Thallium	mg/L	0.1	0.095	95	80-120	

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4940578 4940579

Parameter	Units	92818527002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.099	100	99	75-125	0	20	
Arsenic	mg/L	0.0015J	0.1	0.1	0.098	0.098	96	96	75-125	0	20	
Barium	mg/L	0.027	0.1	0.1	0.12	0.12	94	94	75-125	0	20	
Beryllium	mg/L	ND	0.1	0.1	0.090	0.092	90	92	75-125	3	20	
Boron	mg/L	0.034J	0.1	0.1	0.13	0.13	99	98	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.092	0.093	92	92	75-125	0	20	
Calcium	mg/L	3.8	1	1	4.6	4.7	87	91	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.089	0.090	88	90	75-125	2	20	
Cobalt	mg/L	0.0020J	0.1	0.1	0.097	0.097	95	95	75-125	0	20	
Iron	mg/L	3.4	1	1	4.4	4.4	97	93	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.094	0.094	94	94	75-125	0	20	
Magnesium	mg/L	1.0	1	1	1.9	1.9	90	94	75-125	2	20	
Molybdenum	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	1	20	
Potassium	mg/L	5.2	1	1	6.0	6.1	77	89	75-125	2	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	103	104	75-125	1	20	
Sodium	mg/L	15.0	1	1	16.0	15.9	93	84	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.092	0.092	92	92	75-125	0	20	

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

QC Batch: 961113
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92818527001, 92818527002

METHOD BLANK: 4938874 Matrix: Water
Associated Lab Samples: 92818527001, 92818527002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	09/20/25 13:52	

LABORATORY CONTROL SAMPLE: 4938875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0022	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4938876 4938877

Parameter	Units	92818758002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0019	0.0020	94	96	80-120	3	20	

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Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92818527

[1]	WSP
[2]	DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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Huntersville, NC 28078
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92818527

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92818527001	**MCD-B-62**	3015	2602454	EPA 6020B	2602454
92818527002	**MCD-B-100**	3015	2604600	EPA 6020B	2604600
92818527001	**MCD-B-62**	SM 2320B-2021	961560		
92818527002	**MCD-B-100**	SM 2320B-2021	962328		
92818527001	**MCD-B-62**	SM 2540C-2020	961537		
92818527002	**MCD-B-100**	SM 2540C-2020	961927		
92818527001	**MCD-B-62**	EPA 300.0 Rev 2.1 1993	960657		
92818527002	**MCD-B-100**	EPA 300.0 Rev 2.1 1993	960905		
92818527001	**MCD-B-62**	EPA 3005A	961009	EPA 6020B	963130
92818527002	**MCD-B-100**	EPA 3005A	961363	EPA 6020B	963604
92818527001	**MCD-B-62**	EPA 7470A	961113	EPA 7470A	961643
92818527002	**MCD-B-100**	EPA 7470A	961113	EPA 7470A	961643

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Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO# : 92818527

92818527

Courier: ☑ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 9/16/25 AN

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:
☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.0 Correction Factor: Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 4.0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

WO#: 92818527

PM: BV Due Date: 09/30/25

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	VOA	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	DP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	[illegible] mL Amber Unpreserved vials (N/A)
CC																														
1		2	1		2		2																							
2																														
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Georgia Power - Coal Combustion Residuals	Report To:	Jojo Abraham	Attention:	scsinvoices@southernco.com
Address:	2480 Maner Road	Copy To:	WSP	Company Name:	
	Atlanta, GA 30339			Address:	
Email:	JABRAHAM@SOUTHERNCO.COM	Purchase Order #:		Pace Quote:	
Phone:	(470) 620-6176 Fax	Project Name:	Plant McD AP-1234 Assessment	Pace Project Manager:	Bonnie Vang
Requested Due Date:	10 Day TAT	Project #:	31406440.McD23	Pace Profile #:	

Page : 1 Of 1

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Analyses Test Y/N	App III/IV metals* + Mg, Na, K, Fe	Cl, F, SO4	Radium 9315/9320	TDS	Alkalinity				Residual Chlorine (Y/N)	Task Code = MCD-CCR-ASSMT-2025S2
	MATRIX: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS															Requested Analysis Filtered (Y/N)	N	N	N	N	N	N				92818527
1	MCD-B-62	WG	G	9/15/25	13:06		7	3		4							X	X	X	X	X					001
2																										
3																										
4																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										
13																										
14																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE
Task Code = MCD-CCR-ASSMT-2025S2	Jacob Stucky	9/16/25			9/16/25
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl				9/16/25	1020

DATE Signed:

SAMPLE CONDITIONS			
TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☒ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #

WO#: 92818527

PM: BV Due Date: 09/30/25

CLIENT: 92-GA Power

Courier: ☒ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other:____

Custody Seal Present? ☒ Yes ☐ No Seals Intact? ☒ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 9/17/25 ZW

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Thermometer: ☐ IR Gun ID: 214

Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temp: 3.2 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.2

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☒ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	4.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☒ No	☐ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☒ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☒ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☒ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☒ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92818527

PM: BV Due Date: 09/30/25

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one) Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	DP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		2	1		2		2																							
2																														
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Georgia Power - Coal Combustion Residuals	Report To:	Joju Abraham	Attention:	scsinvoices@southernco.com
Address:	2480 Maner Road	Copy To:	WSP	Company Name:	
	Atlanta, GA 30339			Address:	
Email:	JABRAHAM@SOUTHERNCO.COM	Purchase Order #:		Pace Quote:	
Phone:	(470) 620-6176 Fax:	Project Name:	Plant McD AP-1234 Assessment	Pace Project Manager:	Bonnie Vang
Requested Due Date:	10 Day TAT	Project #:	31406440.McD23	Pace Profile #:	

Page : 1 Of 1

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Analyses Test: Y/N	App III/IV metals* + Mg, Na, K, Fe	Cl, F, SO4	Radium 9315/9320	TDS	Alkalinity				Residual Chlorine (Y/N)	Task Code = MCD-CCR-ASSMT-2025S2
	MATRIX: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS															Y/N	N	N	N	N	N					
1	MCD-B-100	WG	G	9/16/25	9:59		7	3		4							X	X	X	X	X					92818527
2																										002
3																										
4																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										
13																										
14																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE
Task Code = MCD-CCR-ASSMT-2025S2	Jacob Sturky	9/17/25	0822		9/17/25
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl				9/17/25 0947	

DATE Signed:

SAMPLE CONDITIONS			
TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 02, 2025

Joju Abraham
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Plant McD AP-1234 Assessm-RADs
Pace Project No.: 92818530

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 16, 2025 and September 17, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, WSP
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc - Atlanta

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Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Plant McD AP-1234 Assessm-RADs
Pace Project No.: 92818530

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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SAMPLE SUMMARY

Project: Plant McD AP-1234 Assessm-RADs
Pace Project No.: 92818530

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92818530001	**MCD-B-62**	Water	09/15/25 13:06	09/16/25 10:20
92818530002	**MCD-B-100**	Water	09/16/25 09:59	09/17/25 10:59

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-1234 Assessm-RADs
Pace Project No.: 92818530

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92818530001	**MCD-B-62**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92818530002	**MCD-B-100**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1234 Assessm-RADs
Pace Project No.: 92818530

Sample: MCD-B-62 **Lab ID: 92818530001** Collected: 09/15/25 13:06 Received: 09/16/25 10:20 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.679 ± 0.257 (0.320) C:85% T:NA**	pCi/L	10/02/25 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.69 ± 0.611 (0.935) C:73% T:93%**	pCi/L	09/29/25 15:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.37 ± 0.868 (1.26)**	pCi/L	10/02/25 14:05	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1234 Assessm-RADs
Pace Project No.: 92818530

Sample: MCD-B-100 **Lab ID: 92818530002** Collected: 09/16/25 09:59 Received: 09/17/25 10:59 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0672U ± 0.166 (0.391) C:87% T:NA**	pCi/L	10/02/25 08:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.678U ± 0.461 (0.900) C:72% T:95%**	pCi/L	09/29/25 15:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.745U ± 0.627 (1.29)**	pCi/L	10/02/25 14:05	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-1234 Assessm-RADs
Pace Project No.: 92818530

QC Batch:	772402	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92818530001, 92818530002

METHOD BLANK: 3765860 Matrix: Water

Associated Lab Samples: 92818530001, 92818530002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.0645 ± 0.301 (0.691) C:68% T:91%	pCi/L	09/29/25 15:12	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-1234 Assessm-RADs
Pace Project No.: 92818530

QC Batch: 772401
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92818530001, 92818530002

METHOD BLANK: 3765859
Matrix: Water
Associated Lab Samples: 92818530001, 92818530002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0584 ± 0.127 (0.297) C:93% T:NA	pCi/L	10/02/25 08:23	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Plant McD AP-1234 Assessm-RADs
Pace Project No.: 92818530

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92818530

[1] WSP

[2] DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-1234 Assessm-RADs
Pace Project No.: 92818530

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92818530001	**MCD-B-62**	EPA 9315	772401		
92818530002	**MCD-B-100**	EPA 9315	772401		
92818530001	**MCD-B-62**	EPA 9320	772402		
92818530002	**MCD-B-100**	EPA 9320	772402		
92818530001	**MCD-B-62**	Total Radium Calculation	774748		
92818530002	**MCD-B-100**	Total Radium Calculation	774748		

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Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO# : 92818530

92818530

Courier: ☑ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other:____

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 9/16/25 AN

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:
☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.0 Correction Factor: Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 4.0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

WO# : 92818530

PM: BV Due Date: 10/07/25

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one) Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BPM	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	DP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	[illegible] mL Amber Unpreserved vials (N/A)
CC																														
1		2	1		2		2																							
2																														
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Georgia Power - Coal Combustion Residuals	Report To:	Joju Abraham	Attention:	scsinvoices@southernco.com
Address:	2480 Maner Road	Copy To:	WSP	Company Name:	
	Atlanta, GA 30339			Address:	
Email:	JABRAHAM@SOUTHERNCO.COM	Purchase Order #:		Pace Quote:	
Phone:	(470) 620-6176 Fax	Project Name:	Plant McD AP-1234 Assessment	Pace Project Manager:	Bonnie Vang
Requested Due Date:	10 Day TAT	Project #:	31406440.McD23	Pace Profile #:	

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Analyses Test Y/N	App III/IV metals* + Mg, Na, K, Fe	Cl, F, SO4	Radium 9315/9320	TDS	Alkalinity				Residual Chlorine (Y/N)	Task Code = MCD-CCR-ASSMT-2025S2 92818530
																Requested Analysis Filtered (Y/N)	N	N	N	N	N	N				
1	MCD-B-62	WG	G	9/15/25	13:06		7	3		4							X	X	X	X	X					001
2																										
3																										
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14																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE
Task Code = MCD-CCR-ASSMT-2025S2	Jacob Stucky	9/16/25			9/16/25
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl				9/16/25	1020

DATE Signed:

SAMPLE CONDITIONS			
TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☒ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #

WO# : 92818530

PM: BV **Due Date: 10/07/25**

CLIENT: 92-GA Power

Courier: ☒ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other:

Custody Seal Present? ☒ Yes ☐ No Seals Intact? ☒ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 9/17/25 BV

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Thermometer: ☐ IR Gun ID: 214

Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temp: 3.2 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.2

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☒ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	4.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☒ No	☐ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☒ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☒ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☒ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☒ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

WO# : 92818530

PM: BV Due Date: 10/07/25

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	8015	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	DP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		2	1		2		2																							
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Georgia Power - Coal Combustion Residuals	Report To:	Joju Abraham	Attention:	cesinvoices@southernco.com
Address:	2480 Maner Road	Copy To:	WSP	Company Name:	
	Atlanta, GA 30339			Address:	
Email:	JABRAHAM@SOUTHERNCO.COM	Purchase Order #:		Pace Quote:	
Phone:	(470) 620-6176 Fax:	Project Name:	Plant McD AP-1234 Assessment	Pace Project Manager:	Bonnie Vang
Requested Due Date:	10 Day TAT	Project #:	31406440.McD23	Pace Profile #:	

Page : 1 Of 1

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Analyses Test Y/N	Requested Analysis Filtered (Y/N): App III/IV metals* + Mg, Na, K, Fe	Cl, F, SO4	Radium 9315/9320	TDS	Alkalinity				Residual Chlorine (Y/N)	Task Code = MCD-CCR-ASSMT-2025S2
	MATRIX: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS															Y/N	N	N	N	N	N	N				
1	MCD-B-100	WG	G	9/16/25	9:59		7	3		4							X	X	X	X	X					92818530
2																										W2
3																										
4																										
6																										
7																										
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9																										
10																										
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12																										
13																										
14																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	SAMPLE CONDITIONS
Task Code = MCD-CCR-ASSMT-2025S2	Jacob Starks	9/17/25	0822		9/17/25	
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl				9/17/25 0947		

DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-228
Analyst:	JJS1
Date:	9/26/2025
Worklist:	87196
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3765860
MB concentration:	0.065
M/B 2 Sigma CSU:	0.301
MB MDC:	0.691
MB Numerical Performance Indicator:	0.42
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS87196	LCSD87196
Count Date:	9/29/2025	9/29/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.134	31.134
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.823	0.817
Target Conc. (pCi/L, g, F):	3.782	3.809
Uncertainty (Calculated):	0.185	0.187
Result (pCi/L, g, F):	3.645	3.369
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.921	0.880
Numerical Performance Indicator:	-0.29	-0.96
Percent Recovery:	96.38%	88.44%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Duplicate Sample Assessment		
Sample I.D.:	LCS87196	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD87196	
Sample Result (pCi/L, g, F):	3.645	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.921	
Sample Duplicate Result (pCi/L, g, F):	3.369	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.880	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.425	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	8.59%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

LTL
9/30/25

JJS 9/30/25

Quality Control Sample Performance Assessment

Pace Analytical™
www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	9/26/2025
Worklist:	87195
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3765859
MB concentration:	0.058
M/B 2 Sigma CSU:	0.127
MB MDC:	0.297
MB Numerical Performance Indicator:	0.90
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS87195	LCSD87195
Count Date:	10/2/2025	10/2/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.008	25.008
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.504	0.507
Target Conc. (pCi/L, g, F):	4.963	4.928
Uncertainty (Calculated):	0.233	0.232
Result (pCi/L, g, F):	4.330	5.362
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.826	0.973
Numerical Performance Indicator:	-1.45	0.85
Percent Recovery:	87.23%	108.81%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS87195	92817567002
Duplicate Sample I.D.	LCSD87195	92817567002DUP
Sample Result (pCi/L, g, F):	4.330	0.976
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.826	0.329
Sample Duplicate Result (pCi/L, g, F):	5.362	0.745
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.973	0.272
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-1.586	1.062
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	22.01%	26.85%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

VAM 10/2/25

CT 10-2-25

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 02, 2025

Joju Abraham
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Plant McD Background
Pace Project No.: 92817960

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on September 11, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, WSP
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc - Atlanta

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Plant McD Background
Pace Project No.: 92817960

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Plant McD Background
Pace Project No.: 92817960

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92817960001	**MCD-DGWA-70A**	Water	09/10/25 12:03	09/11/25 09:50
92817960002	**MCD-DGWA-53**	Water	09/10/25 13:37	09/11/25 09:50
92817960003	**MCD-DGWA-71**	Water	09/10/25 13:35	09/11/25 09:50

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SAMPLE ANALYTE COUNT

Project: Plant McD Background
Pace Project No.: 92817960

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92817960001	**MCD-DGWA-70A**	EPA 6020B	LD	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	CBP	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92817960002	**MCD-DGWA-53**	EPA 6020B	SJM	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	CBP	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92817960003	**MCD-DGWA-71**	EPA 6020B	SJM	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	CBP	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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ANALYTICAL RESULTS

Project: Plant McD Background
Pace Project No.: 92817960

Sample: MCD-DGWA-70A **Lab ID: 92817960001** Collected: 09/10/25 12:03 Received: 09/11/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000952J**	mg/L	0.00200	0.000600	1	09/16/25 15:16	10/01/25 21:55	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**27.0**	mg/L	5.0	5.0	1		09/17/25 04:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/17/25 04:25		
Alkalinity, Total as CaCO3	**27.0**	mg/L	5.0	5.0	1		09/17/25 04:25		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**58.0**	mg/L	25.0	25.0	1		09/17/25 16:22		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**2.1**	mg/L	1.0	0.60	1		09/12/25 01:38	16887-00-6	
Fluoride	**0.051J**	mg/L	0.10	0.050	1		09/12/25 01:38	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/12/25 01:38	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/17/25 01:52	09/25/25 17:41	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/17/25 01:52	09/25/25 17:41	7440-38-2	
Barium	**0.036**	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 17:41	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/17/25 01:52	09/25/25 17:41	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	09/17/25 01:52	09/25/25 17:41	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/17/25 01:52	09/25/25 17:41	7440-43-9	
Calcium	**5.9**	mg/L	0.40	0.10	1	09/17/25 01:52	09/25/25 17:41	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 17:41	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 17:41	7440-48-4	
Iron	**0.015J**	mg/L	0.040	0.012	1	09/17/25 01:52	09/25/25 17:41	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/17/25 01:52	09/25/25 17:41	7439-92-1	
Magnesium	**2.3**	mg/L	0.050	0.010	1	09/17/25 01:52	09/25/25 17:41	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	09/17/25 01:52	09/25/25 17:41	7439-98-7	
Potassium	**1.7**	mg/L	0.40	0.10	1	09/17/25 01:52	09/25/25 17:41	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 17:41	7782-49-2	
Sodium	**3.4**	mg/L	0.40	0.15	1	09/17/25 01:52	09/25/25 17:41	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/17/25 01:52	09/25/25 17:41	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/13/25 07:41	09/13/25 11:17	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD Background
Pace Project No.: 92817960

Sample: MCD-DGWA-53 **Lab ID: 92817960002** Collected: 09/10/25 13:37 Received: 09/11/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00847**	mg/L	0.00200	0.000600	1	09/16/25 15:16	10/01/25 23:25	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**57.9**	mg/L	5.0	5.0	1		09/17/25 04:31		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/17/25 04:31		
Alkalinity, Total as CaCO3	**57.9**	mg/L	5.0	5.0	1		09/17/25 04:31		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**115**	mg/L	25.0	25.0	1		09/17/25 16:22		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**1.9**	mg/L	1.0	0.60	1		09/12/25 01:53	16887-00-6	
Fluoride	**0.085J**	mg/L	0.10	0.050	1		09/12/25 01:53	16984-48-8	
Sulfate	**12.5**	mg/L	1.0	0.50	1		09/12/25 01:53	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/17/25 01:52	09/25/25 17:50	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/17/25 01:52	09/25/25 17:50	7440-38-2	
Barium	**0.068**	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 17:50	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/17/25 01:52	09/25/25 17:50	7440-41-7	
Boron	**0.048**	mg/L	0.040	0.0062	1	09/17/25 01:52	09/25/25 17:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/17/25 01:52	09/25/25 17:50	7440-43-9	
Calcium	**10.7**	mg/L	0.40	0.10	1	09/17/25 01:52	09/25/25 17:50	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 17:50	7440-47-3	
Cobalt	**0.0055**	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 17:50	7440-48-4	
Iron	**2.7**	mg/L	0.040	0.012	1	09/17/25 01:52	09/25/25 17:50	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/17/25 01:52	09/25/25 17:50	7439-92-1	
Magnesium	**4.2**	mg/L	0.050	0.010	1	09/17/25 01:52	09/25/25 17:50	7439-95-4	
Molybdenum	**0.011**	mg/L	0.010	0.0025	1	09/17/25 01:52	09/25/25 17:50	7439-98-7	
Potassium	**3.1**	mg/L	0.40	0.10	1	09/17/25 01:52	09/25/25 17:50	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 17:50	7782-49-2	
Sodium	**7.4**	mg/L	0.40	0.15	1	09/17/25 01:52	09/25/25 17:50	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/17/25 01:52	09/25/25 17:50	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/13/25 07:41	09/13/25 11:19	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD Background
Pace Project No.: 92817960

Sample: MCD-DGWA-71 **Lab ID: 92817960003** Collected: 09/10/25 13:35 Received: 09/11/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00141J**	mg/L	0.00200	0.000600	1	09/16/25 15:16	10/01/25 23:29	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**20.8**	mg/L	5.0	5.0	1		09/17/25 04:37		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/17/25 04:37		
Alkalinity, Total as CaCO3	**20.8**	mg/L	5.0	5.0	1		09/17/25 04:37		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**80.0**	mg/L	25.0	25.0	1		09/17/25 16:22		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**10.2**	mg/L	1.0	0.60	1		09/12/25 02:08	16887-00-6	
Fluoride	**0.055J**	mg/L	0.10	0.050	1		09/12/25 02:08	16984-48-8	
Sulfate	**9.2**	mg/L	1.0	0.50	1		09/12/25 02:08	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/17/25 01:52	09/25/25 17:58	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/17/25 01:52	09/25/25 17:58	7440-38-2	
Barium	**0.031**	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 17:58	7440-39-3	
Beryllium	**0.00016J**	mg/L	0.00040	0.00015	1	09/17/25 01:52	09/25/25 17:58	7440-41-7	
Boron	**0.0090J**	mg/L	0.040	0.0062	1	09/17/25 01:52	09/25/25 17:58	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/17/25 01:52	09/25/25 17:58	7440-43-9	
Calcium	**7.3**	mg/L	0.40	0.10	1	09/17/25 01:52	09/25/25 17:58	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 17:58	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 17:58	7440-48-4	
Iron	**0.021J**	mg/L	0.040	0.012	1	09/17/25 01:52	09/25/25 17:58	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/17/25 01:52	09/25/25 17:58	7439-92-1	
Magnesium	**1.1**	mg/L	0.050	0.010	1	09/17/25 01:52	09/25/25 17:58	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	09/17/25 01:52	09/25/25 17:58	7439-98-7	
Potassium	**0.86**	mg/L	0.40	0.10	1	09/17/25 01:52	09/25/25 17:58	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/17/25 01:52	09/25/25 17:58	7782-49-2	
Sodium	**9.3**	mg/L	0.40	0.15	1	09/17/25 01:52	09/25/25 17:58	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/17/25 01:52	09/25/25 17:58	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	**0.00040**	mg/L	0.00020	0.000091	1	09/13/25 07:41	09/13/25 11:22	7439-97-6	

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QUALITY CONTROL DATA

Project: Plant McD Background
Pace Project No.: 92817960

QC Batch: 2600268
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92817960001, 92817960002, 92817960003

METHOD BLANK: R4281240-6 Matrix: Water
Associated Lab Samples: 92817960001, 92817960002, 92817960003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	10/01/25 21:14	

LABORATORY CONTROL SAMPLE: R4281240-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0500	100	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4281240-4 R4281240-5

Parameter	Units	L1897426-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00423	0.0500	0.0500	0.0511	0.0506	93.7	92.8	75.0-125	0.928	20	

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QUALITY CONTROL DATA

Project: Plant McD Background
Pace Project No.: 92817960

QC Batch: 960673
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817960001, 92817960002, 92817960003

METHOD BLANK: 4936735 Matrix: Water
Associated Lab Samples: 92817960001, 92817960002, 92817960003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	09/17/25 02:12	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	09/17/25 02:12	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	09/17/25 02:12	

LABORATORY CONTROL SAMPLE: 4936736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.0	102	80-120	

LABORATORY CONTROL SAMPLE: 4936737

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.5	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4936738 4936739

Parameter	Units	92817554001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	87.8	50	50	136	136	96	96	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4936740 4936741

Parameter	Units	92817554002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	206	50	50	250	250	87	87	80-120	0	25	

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QUALITY CONTROL DATA

Project: Plant McD Background
Pace Project No.: 92817960

QC Batch: 960753
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817960001, 92817960002, 92817960003

METHOD BLANK: 4937004 Matrix: Water
Associated Lab Samples: 92817960001, 92817960002, 92817960003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	09/17/25 16:20	

LABORATORY CONTROL SAMPLE: 4937005

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	270	108	90-110	

SAMPLE DUPLICATE: 4937006

Parameter	Units	92817710001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2280	2340	3	25	

SAMPLE DUPLICATE: 4937007

Parameter	Units	92817469005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	431	430	0	25	

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QUALITY CONTROL DATA

Project: Plant McD Background
Pace Project No.: 92817960

QC Batch: 959740
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817960001, 92817960002, 92817960003

METHOD BLANK: 4932447 Matrix: Water
Associated Lab Samples: 92817960001, 92817960002, 92817960003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/11/25 21:10	
Fluoride	mg/L	ND	0.10	0.050	09/11/25 21:10	
Sulfate	mg/L	ND	1.0	0.50	09/11/25 21:10	

LABORATORY CONTROL SAMPLE: 4932448

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.2	102	90-110	
Fluoride	mg/L	2.5	2.7	109	90-110	
Sulfate	mg/L	50	51.7	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4932449 4932450

Parameter	Units	92817940002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	19.3	50	50	67.8	68.5	97	98	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.7	2.7	107	108	90-110	0	10	
Sulfate	mg/L	ND	50	50	49.3	50.0	98	99	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4932451 4932452

Parameter	Units	92817960003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.2	50	50	58.6	60.3	97	100	90-110	3	10	
Fluoride	mg/L	0.055J	2.5	2.5	2.7	2.8	105	109	90-110	4	10	
Sulfate	mg/L	9.2	50	50	57.6	59.3	97	100	90-110	3	10	

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REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant McD Background
Pace Project No.: 92817960

QC Batch: 960249
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92817960001, 92817960002, 92817960003

METHOD BLANK: 4934667 Matrix: Water
Associated Lab Samples: 92817960001, 92817960002, 92817960003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	09/25/25 15:26	
Arsenic	mg/L	ND	0.0020	0.0012	09/25/25 15:26	
Barium	mg/L	ND	0.0050	0.0012	09/25/25 15:26	
Beryllium	mg/L	ND	0.00040	0.00015	09/25/25 15:26	
Boron	mg/L	ND	0.040	0.0062	09/25/25 15:26	
Cadmium	mg/L	ND	0.00050	0.00012	09/25/25 15:26	
Calcium	mg/L	ND	0.40	0.10	09/25/25 15:26	
Chromium	mg/L	ND	0.0050	0.0012	09/25/25 15:26	
Cobalt	mg/L	ND	0.0050	0.0012	09/25/25 15:26	
Iron	mg/L	ND	0.040	0.012	09/25/25 15:26	
Lead	mg/L	ND	0.0010	0.00025	09/25/25 15:26	
Magnesium	mg/L	ND	0.050	0.010	09/25/25 15:26	
Molybdenum	mg/L	ND	0.010	0.0025	09/25/25 15:26	
Potassium	mg/L	ND	0.40	0.10	09/25/25 15:26	
Selenium	mg/L	ND	0.0050	0.0012	09/25/25 15:26	
Sodium	mg/L	ND	0.40	0.15	09/25/25 15:26	
Thallium	mg/L	ND	0.00050	0.00015	09/25/25 15:26	

LABORATORY CONTROL SAMPLE: 4934668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.091	91	80-120	
Arsenic	mg/L	0.1	0.092	92	80-120	
Barium	mg/L	0.1	0.092	92	80-120	
Beryllium	mg/L	0.1	0.096	96	80-120	
Boron	mg/L	0.1	0.097	97	80-120	
Cadmium	mg/L	0.1	0.090	90	80-120	
Calcium	mg/L	1	0.87	87	80-120	
Chromium	mg/L	0.1	0.095	95	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Iron	mg/L	1	0.93	93	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Magnesium	mg/L	1	0.93	93	80-120	
Molybdenum	mg/L	0.1	0.096	96	80-120	
Potassium	mg/L	1	0.93	93	80-120	
Selenium	mg/L	0.1	0.088	88	80-120	
Sodium	mg/L	1	0.88	88	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	

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QUALITY CONTROL DATA

Project: Plant McD Background
Pace Project No.: 92817960

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4934669 4934670

Parameter	Units	92817554001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.096	0.096	95	96	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.098	0.095	97	95	75-125	2	20	
Barium	mg/L	0.066	0.1	0.1	0.16	0.16	90	93	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.11	0.11	107	105	75-125	2	20	
Boron	mg/L	4.4	0.1	0.1	4.4	4.5	28	101	75-125	2	20	M1
Cadmium	mg/L	0.00016J	0.1	0.1	0.093	0.093	93	93	75-125	0	20	
Calcium	mg/L	46.1	1	1	45.3	46.5	-74	42	75-125	3	20	M1
Chromium	mg/L	ND	0.1	0.1	0.093	0.091	92	90	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.096	0.094	95	93	75-125	2	20	
Iron	mg/L	0.057	1	1	0.97	0.95	92	90	75-125	2	20	
Lead	mg/L	0.0024	0.1	0.1	0.10	0.10	99	98	75-125	1	20	
Magnesium	mg/L	17.6	1	1	17.7	17.6	7	-2	75-125	0	20	M1
Molybdenum	mg/L	ND	0.1	0.1	0.098	0.095	98	94	75-125	4	20	
Potassium	mg/L	3.6	1	1	4.6	4.7	97	103	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.099	0.097	99	96	75-125	2	20	
Sodium	mg/L	11.2	1	1	12.4	12.3	114	103	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.098	0.097	97	97	75-125	0	20	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant McD Background
Pace Project No.: 92817960

QC Batch: 959910
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92817960001, 92817960002, 92817960003

METHOD BLANK: 4933005 Matrix: Water
Associated Lab Samples: 92817960001, 92817960002, 92817960003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	09/13/25 10:36	

LABORATORY CONTROL SAMPLE: 4933006

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0021	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4933007 4933008

Parameter	Units	92817617002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0020	0.0020	100	99	80-120	1	20	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Plant McD Background
Pace Project No.: 92817960

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92817960

[1]	WSP
[2]	DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

ANALYTE QUALIFIERS

J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD Background
Pace Project No.: 92817960

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92817960001	**MCD-DGWA-70A**	3015	2600268	EPA 6020B	2600268
92817960002	**MCD-DGWA-53**	3015	2600268	EPA 6020B	2600268
92817960003	**MCD-DGWA-71**	3015	2600268	EPA 6020B	2600268
92817960001	**MCD-DGWA-70A**	SM 2320B-2021	960673		
92817960002	**MCD-DGWA-53**	SM 2320B-2021	960673		
92817960003	**MCD-DGWA-71**	SM 2320B-2021	960673		
92817960001	**MCD-DGWA-70A**	SM 2540C-2020	960753		
92817960002	**MCD-DGWA-53**	SM 2540C-2020	960753		
92817960003	**MCD-DGWA-71**	SM 2540C-2020	960753		
92817960001	**MCD-DGWA-70A**	EPA 300.0 Rev 2.1 1993	959740		
92817960002	**MCD-DGWA-53**	EPA 300.0 Rev 2.1 1993	959740		
92817960003	**MCD-DGWA-71**	EPA 300.0 Rev 2.1 1993	959740		
92817960001	**MCD-DGWA-70A**	EPA 3005A	960249	EPA 6020B	962795
92817960002	**MCD-DGWA-53**	EPA 3005A	960249	EPA 6020B	962795
92817960003	**MCD-DGWA-71**	EPA 3005A	960249	EPA 6020B	962795
92817960001	**MCD-DGWA-70A**	EPA 7470A	959910	EPA 7470A	960147
92817960002	**MCD-DGWA-53**	EPA 7470A	959910	EPA 7470A	960147
92817960003	**MCD-DGWA-71**	EPA 7470A	959910	EPA 7470A	960147

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #: WO# : 92817960

92817960

Courier: ☐ Commercial ☑ Pace ☐ Fed Ex ☐ UPS ☐ USPS ☐ Other: ☐ Client

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 6/25 DW

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.0 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.0

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

WO# : 92817960

PM: BV Due Date: 09/25/25

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client GA Power Profile/EZ (Circle one) Notes

Iteml	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (C-)	DP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		2	1		2		2																							
2		2	1		2		2																							
3		2	1		2		2																							
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Georgia Power - Coal Combustion Residuals	Report To:	Joju Abraham	Attention:	scsinvoices@southernco.com
Address:	2480 Maner Road	Copy To:	WSP	Company Name:	
	Atlanta, GA 30339			Address:	
Email:	JABRAHAM@SOUTHERNCO.COM	Purchase Order #:		Pace Quote:	
Phone:	(470) 620-6176 Fax:	Project Name:	Plant McD Background	Pace Project Manager:	Bonnie Vang
Requested Due Date:	10 Day TAT	Project #:	31406440.McD23	Pace Profile #:	

Regulatory Agency

State / Location: GA

Task Code = MCD-CCR-ASSMT-2025S2

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX CODE (use valid codes to left): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

SAMPLE TYPE (G=GRAB C=COMP)

SAMPLE TEMP AT COLLECTION

Preservatives: # OF CONTAINERS; Unpreserved - Ice; H2SO4; HNO3 + Ice; HCl; NaOH + Zn Acetate; Na2S2O3; Methanol; Other

Requested Analysis Filtered (Y/N): Y/N; Analyses Test: App III/IV metals* + Mg, Na, K, Fe; Cl, F, SO4; Radium 9315/9320; TDS; Alkalinity

Residual Chlorine (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Y/N	App III/IV metals* + Mg, Na, K, Fe	Cl, F, SO4	Radium 9315/9320	TDS	Alkalinity	Residual Chlorine (Y/N)	92817960
2	MCD-DGWA-70A	WG	G	9/10/25	12:03		7	3		4							X	X	X	X	X		001
4	MCD-DGWA-53	WG	G	9/10/25	13:37		7	3		4							X	X	X	X	X		002
5	MCD-DGWA-71	WG	G	9/10/25	13:35		7	3		4							X	X	X	X	X		003
6																							
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	SAMPLE CONDITIONS
Task Code = MCD-CCR-ASSMT-2025S2	Jacob Stucky	9/11/25		G. Simmons	9/11/25	
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl						

DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 02, 2025

Joju Abraham
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Plant McD Background-RADs
Pace Project No.: 92818027

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on September 11, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, WSP
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc - Atlanta

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(704)875-9092

CERTIFICATIONS

Project: Plant McD Background-RADs
Pace Project No.: 92818027

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Plant McD Background-RADs
Pace Project No.: 92818027

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92818027001	**MCD-DGWA-70A**	Water	09/10/25 12:03	09/11/25 09:50
92818027002	**MCD-DGWA-53**	Water	09/10/25 13:37	09/11/25 09:50
92818027003	**MCD-DGWA-71**	Water	09/10/25 13:35	09/11/25 09:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant McD Background-RADs
Pace Project No.: 92818027

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92818027001	**MCD-DGWA-70A**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92818027002	**MCD-DGWA-53**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92818027003	**MCD-DGWA-71**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD Background-RADs
Pace Project No.: 92818027

Sample: MCD-DGWA-70A **Lab ID: 92818027001** Collected: 09/10/25 12:03 Received: 09/11/25 09:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.266U ± 0.214 (0.410) C:64% T:NA**	pCi/L	10/02/25 08:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.991 ± 0.476 (0.815) C:75% T:88%**	pCi/L	09/25/25 14:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.26 ± 0.690 (1.23)**	pCi/L	10/02/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD Background-RADs
Pace Project No.: 92818027

Sample: MCD-DGWA-53 **Lab ID: 92818027002** Collected: 09/10/25 13:37 Received: 09/11/25 09:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**1.13 ± 0.339 (0.353) C:80% T:NA**	pCi/L	10/02/25 08:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.718U ± 0.413 (0.740) C:79% T:88%**	pCi/L	09/25/25 14:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.85 ± 0.752 (1.09)**	pCi/L	10/02/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD Background-RADs
Pace Project No.: 92818027

Sample: MCD-DGWA-71 **Lab ID: 92818027003** Collected: 09/10/25 13:35 Received: 09/11/25 09:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.285U ± 0.180 (0.314) C:88% T:NA**	pCi/L	10/02/25 08:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.180U ± 0.349 (0.769) C:79% T:86%**	pCi/L	09/25/25 14:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.465U ± 0.529 (1.08)**	pCi/L	10/02/25 14:25	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD Background-RADs
Pace Project No.: 92818027

QC Batch: 771696
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92818027001, 92818027002, 92818027003

METHOD BLANK: 3762209 Matrix: Water
Associated Lab Samples: 92818027001, 92818027002, 92818027003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.106 ± 0.147 (0.321) C:92% T:NA	pCi/L	10/01/25 12:52	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD Background-RADs
Pace Project No.: 92818027

QC Batch: 771699
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92818027001, 92818027002, 92818027003

METHOD BLANK: 3762212 Matrix: Water
Associated Lab Samples: 92818027001, 92818027002, 92818027003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.290 ± 0.322 (0.671) C:84% T:85%	pCi/L	09/25/25 11:30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: Plant McD Background-RADs
Pace Project No.: 92818027

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92818027

[1] WSP

[2] DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD Background-RADs
Pace Project No.: 92818027

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92818027001	**MCD-DGWA-70A**	EPA 9315	771696		
92818027002	**MCD-DGWA-53**	EPA 9315	771696		
92818027003	**MCD-DGWA-71**	EPA 9315	771696		
92818027001	**MCD-DGWA-70A**	EPA 9320	771699		
92818027002	**MCD-DGWA-53**	EPA 9320	771699		
92818027003	**MCD-DGWA-71**	EPA 9320	771699		
92818027001	**MCD-DGWA-70A**	Total Radium Calculation	774753		
92818027002	**MCD-DGWA-53**	Total Radium Calculation	774753		
92818027003	**MCD-DGWA-71**	Total Radium Calculation	774753		

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO# : 92818027

92818027

Courier: ☐ Commercial ☑ Pace ☐ Fed Ex ☐ UPS ☐ USPS ☐ Other: ☐ Client

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 9/25 DM

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.6 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.0

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

Page 1 of 2

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92818027

PM: BV Due Date: 10/02/25

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client GA Power Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP/N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		2	1		2		2																							
2		2	1		2		2																							
3		2	1		2		2																							
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Georgia Power - Coal Combustion Residuals	Report To:	Joju Abraham	Attention:	scsinvoices@southernco.com
Address:	2480 Maner Road	Copy To:	WSP	Company Name:	
	Atlanta, GA 30339			Address:	
Email:	JABRAHAM@SOUTHERNCO.COM	Purchase Order #:		Pace Quote:	
Phone:	(470) 620-6176 Fax:	Project Name:	Plant McD Background	Pace Project Manager:	Bonnie Vang
Requested Due Date:	10 Day TAT	Project #:	31406440.McD23	Pace Profile #:	

Regulatory Agency

State / Location: GA

Requested Analysis Filtered (Y/N)

Task Code = MCD-CCR-ASSMT-2025S2

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (Use valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Analyses Test Y/N	App III/IV metals* + Mg, Na, K, Fe	Cl, F, SO4	Radium 9315/9320	TDS	Alkalinity				Residual Chlorine (Y/N)	92818027
																	N	N	N	N	N	N				
2	MCD-DGWA-70A	WG	G	9/10/25	12:03		7	3		4							X	X	X	X	X					001
4	MCD-DGWA-53	WG	G	9/10/25	13:37		7	3		4							X	X	X	X	X					002
5	MCD-DGWA-71	WG	G	9/10/25	13:35		7	3		4							X	X	X	X	X					003
6																										
7																										
8																										
9																										
10																										
11																										
12																										
13																										
14																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	SAMPLE CONDITIONS
Task Code = MCD-CCR-ASSMT-2025S2	Jacob Stucky	9/11/25		G. Simmons	9/11/25	
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl						

DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test: Ra-228
Analyst: JJS1
Date: 9/22/2025
Worklist: 87140
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3762212
MB concentration:	0.290
M/B 2 Sigma CSU:	0.322
MB MDC:	0.671
MB Numerical Performance Indicator:	1.77
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS87140	LCSD87140
Count Date:	9/25/2025	9/25/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.175	31.175
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.819	0.816
Target Conc. (pCi/L, g, F):	3.806	3.819
Uncertainty (Calculated):	0.186	0.187
Result (pCi/L, g, F):	3.185	3.429
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.858	0.875
Numerical Performance Indicator:	-1.38	-0.85
Percent Recovery:	83.71%	89.78%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS87140	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD87140	
Sample Result (pCi/L, g, F):	3.185	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.858	
Sample Duplicate Result (pCi/L, g, F):	3.429	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.875	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-0.389	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	7.00%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

VAL
9/26/25

9.26.25
JJS

Quality Control Sample Performance Assessment

Pace Analytical
www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	9/25/2025
Worklist:	87139
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3762209
MB concentration:	0.106
M/B 2 Sigma CSU:	0.147
MB MDC:	0.321
MB Numerical Performance Indicator:	1.41
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS87139	LCSD87139
Count Date:	10/2/2025	10/2/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.008	25.008
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.506	0.509
Target Conc. (pCi/L, g, F):	4.947	4.917
Uncertainty (Calculated):	0.233	0.231
Result (pCi/L, g, F):	4.487	5.076
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.835	0.906
Numerical Performance Indicator:	-1.04	0.33
Percent Recovery:	90.70%	103.24%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS87139	92817570001
Duplicate Sample I.D.	LCSD87139	92817570001DUP
Sample Result (pCi/L, g, F):	4.487	0.074
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.835	0.149
Sample Duplicate Result (pCi/L, g, F):	5.076	0.148
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.906	0.137
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-0.937	-0.724
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	12.93%	67.37%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

VAM 10/2/25

CT
10-2-25

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

September 23, 2025

Priya Rachel Johnson
ARCADIS US, Inc. - Atlanta
2839 Paces Ferry Rd
Suite 900
Atlanta, GA 30339

RE: Project: Plant McDonough-CCR Ash Pond-Revised Report
Pace Project No.: 92817614

Dear Priya Johnson:

Enclosed are the analytical results for sample(s) received by the laboratory on September 10, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

Rev. 1 - This replaces the September 19, 2025 final report. This report was revised to report Cobalt for 92817614-007 (MCD-CR+0.4). No other changes were made to this report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Maiya Parks

Maiya Parks
maiya.parks@pacelabs.com
770-734-4205
Project Manager

Enclosures

cc: Joju Abraham, Georgia Power-CCR
Jordan Gamble, ARCADIS US, Inc. - Atlanta
Daniela Herrera, WSP USA E&I Inc - Atlanta
Ben Hodges, Southern Company
Allison Keefer, Southern Company
Laura Midkiff, Southern Company
Dawn Prell, WSP USA E&I Inc - Atlanta
Noelia Muskus Ruiz, Georgia Power
Tina Sullivan, ERM

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CERTIFICATIONS

Project: Plant McDonough-CCR Ash Pond-Revised Report
Pace Project No.: 92817614

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

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SAMPLE SUMMARY

Project: Plant McDonough-CCR Ash Pond-Revised Report
Pace Project No.: 92817614

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92817614001	**MCD-UT01_US**	Water	09/09/25 13:04	09/10/25 13:28
92817614002	**MCD-UT02**	Water	09/09/25 12:57	09/10/25 13:28
92817614003	**MCD-UT03**	Water	09/09/25 12:49	09/10/25 13:28
92817614004	**MCD-UT01_DS**	Water	09/09/25 12:37	09/10/25 13:28
92817614005	**MCD-CR-0.1**	Water	09/09/25 11:29	09/10/25 13:28
92817614006	**MCD-CR+0.2**	Water	09/09/25 11:53	09/10/25 13:28
92817614007	**MCD-CR+0.4**	Water	09/09/25 11:09	09/10/25 13:28

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SAMPLE ANALYTE COUNT

Project: Plant McDonough-CCR Ash Pond-Revised Report
Pace Project No.: 92817614

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92817614001	**MCD-UT01_US**	SM 2540C-2020	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	CBP	1	PASI-WC
92817614002	**MCD-UT02**	SM 2540C-2020	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	CBP	1	PASI-WC
92817614003	**MCD-UT03**	SM 2540C-2020	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	CBP	1	PASI-WC
92817614004	**MCD-UT01_DS**	SM 2540C-2020	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	CBP	1	PASI-WC
92817614005	**MCD-CR-0.1**	SM 2540C-2020	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	CBP	1	PASI-WC
92817614006	**MCD-CR+0.2**	SM 2540C-2020	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	CBP	1	PASI-WC
92817614007	**MCD-CR+0.4**	SM 2540C-2020	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	CBP	2	PASI-WC

PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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ANALYTICAL RESULTS

Project: Plant McDonough-CCR Ash Pond-Revised Report
Pace Project No.: 92817614

Sample: MCD-UT01_US **Lab ID: 92817614001** Collected: 09/09/25 13:04 Received: 09/10/25 13:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**180**	mg/L	25.0	1		09/16/25 18:24		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**38.1**	mg/L	1.0	1		09/11/25 02:18	16887-00-6	
Fluoride	**0.40**	mg/L	0.10	1		09/11/25 02:18	16984-48-8	
Sulfate	**16.0**	mg/L	1.0	1		09/11/25 02:18	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	**0.21**	mg/L	0.050	1	09/15/25 11:00	09/16/25 12:25	7440-42-8	
Calcium	**23.5**	mg/L	5.0	1	09/15/25 11:00	09/16/25 12:25	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Arsenic	ND	mg/L	0.0020	1	09/16/25 08:34	09/17/25 20:58	7440-38-2	

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ANALYTICAL RESULTS

Project: Plant McDonough-CCR Ash Pond-Revised Report
Pace Project No.: 92817614

Sample: MCD-UT02 **Lab ID: 92817614002** Collected: 09/09/25 12:57 Received: 09/10/25 13:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**176**	mg/L	25.0	1		09/16/25 18:24		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**37.5**	mg/L	1.0	1		09/11/25 02:33	16887-00-6	
Fluoride	**0.39**	mg/L	0.10	1		09/11/25 02:33	16984-48-8	
Sulfate	**16.7**	mg/L	1.0	1		09/11/25 02:33	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	**0.22**	mg/L	0.050	1	09/15/25 11:00	09/16/25 12:28	7440-42-8	
Calcium	**23.9**	mg/L	5.0	1	09/15/25 11:00	09/16/25 12:28	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Arsenic	ND	mg/L	0.0020	1	09/16/25 08:34	09/17/25 21:23	7440-38-2	

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ANALYTICAL RESULTS

Project: Plant McDonough-CCR Ash Pond-Revised Report
Pace Project No.: 92817614

Sample: MCD-UT03 **Lab ID: 92817614003** Collected: 09/09/25 12:49 Received: 09/10/25 13:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**176**	mg/L	25.0	1		09/16/25 18:24		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**38.0**	mg/L	1.0	1		09/11/25 03:18	16887-00-6	
Fluoride	**0.38**	mg/L	0.10	1		09/11/25 03:18	16984-48-8	
Sulfate	**16.8**	mg/L	1.0	1		09/11/25 03:18	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	**0.23**	mg/L	0.050	1	09/15/25 11:00	09/16/25 12:31	7440-42-8	
Calcium	**25.7**	mg/L	5.0	1	09/15/25 11:00	09/16/25 12:31	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Arsenic	ND	mg/L	0.0020	1	09/16/25 08:34	09/17/25 21:31	7440-38-2	

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ANALYTICAL RESULTS

Project: Plant McDonough-CCR Ash Pond-Revised Report
Pace Project No.: 92817614

Sample: MCD-UT01_DS **Lab ID: 92817614004** Collected: 09/09/25 12:37 Received: 09/10/25 13:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**165**	mg/L	25.0	1		09/16/25 18:24		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**34.1**	mg/L	1.0	1		09/11/25 04:03	16887-00-6	
Fluoride	**0.36**	mg/L	0.10	1		09/11/25 04:03	16984-48-8	
Sulfate	**19.2**	mg/L	1.0	1		09/11/25 04:03	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	**0.29**	mg/L	0.050	1	09/15/25 11:00	09/16/25 12:34	7440-42-8	
Calcium	**23.7**	mg/L	5.0	1	09/15/25 11:00	09/16/25 12:34	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Arsenic	ND	mg/L	0.0020	1	09/16/25 08:34	09/17/25 21:40	7440-38-2	

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ANALYTICAL RESULTS

Project: Plant McDonough-CCR Ash Pond-Revised Report
Pace Project No.: 92817614

Sample: MCD-CR-0.1 **Lab ID: 92817614005** Collected: 09/09/25 11:29 Received: 09/10/25 13:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**90.0**	mg/L	25.0	1		09/16/25 18:24		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**13.7**	mg/L	1.0	1		09/11/25 04:18	16887-00-6	
Fluoride	**0.24**	mg/L	0.10	1		09/11/25 04:18	16984-48-8	
Sulfate	**15.1**	mg/L	1.0	1		09/11/25 04:18	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	**0.10**	mg/L	0.050	1	09/15/25 11:00	09/16/25 12:37	7440-42-8	
Calcium	**8.2**	mg/L	5.0	1	09/15/25 11:00	09/16/25 12:37	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	09/16/25 08:34	09/17/25 21:48	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant McDonough-CCR Ash Pond-Revised Report
Pace Project No.: 92817614

Sample: MCD-CR+0.2 **Lab ID: 92817614006** Collected: 09/09/25 11:53 Received: 09/10/25 13:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**107**	mg/L	25.0	1		09/16/25 18:25		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**14.8**	mg/L	1.0	1		09/11/25 04:33	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	1		09/11/25 04:33	16984-48-8	
Sulfate	**20.3**	mg/L	1.0	1		09/11/25 04:33	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	**0.16**	mg/L	0.050	1	09/15/25 11:00	09/16/25 12:40	7440-42-8	
Calcium	**13.7**	mg/L	5.0	1	09/15/25 11:00	09/16/25 12:40	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	09/16/25 08:34	09/17/25 22:30	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant McDonough-CCR Ash Pond-Revised Report
Pace Project No.: 92817614

Sample: MCD-CR+0.4 **Lab ID: 92817614007** Collected: 09/09/25 11:09 Received: 09/10/25 13:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**75.0**	mg/L	25.0	1		09/16/25 18:25		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**11.1**	mg/L	1.0	1		09/11/25 04:48	16887-00-6	
Fluoride	**0.21**	mg/L	0.10	1		09/11/25 04:48	16984-48-8	
Sulfate	**9.3**	mg/L	1.0	1		09/11/25 04:48	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/15/25 11:00	09/16/25 12:42	7440-42-8	
Calcium	**6.0**	mg/L	5.0	1	09/15/25 11:00	09/16/25 12:42	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Arsenic	ND	mg/L	0.0020	1	09/16/25 08:34	09/17/25 22:39	7440-38-2	
Cobalt	ND	mg/L	0.0050	1	09/16/25 08:34	09/17/25 22:39	7440-48-4	

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QUALITY CONTROL DATA

Project: Plant McDonough-CCR Ash Pond-Revised Report
Pace Project No.: 92817614

QC Batch: 960356 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817614001, 92817614002, 92817614003, 92817614004, 92817614005, 92817614006, 92817614007

METHOD BLANK: 4935060 Matrix: Water
Associated Lab Samples: 92817614001, 92817614002, 92817614003, 92817614004, 92817614005, 92817614006, 92817614007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	09/16/25 18:23	

LABORATORY CONTROL SAMPLE: 4935061

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	248	99	90-110	

SAMPLE DUPLICATE: 4935062

Parameter	Units	92817558002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	209	196	6	25	

SAMPLE DUPLICATE: 4935063

Parameter	Units	92817614002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	176	173	2	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant McDonough-CCR Ash Pond-Revised Report
Pace Project No.: 92817614

QC Batch: 959494
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92817614001, 92817614002, 92817614003, 92817614004, 92817614005, 92817614006, 92817614007

METHOD BLANK: 4930892 Matrix: Water
Associated Lab Samples: 92817614001, 92817614002, 92817614003, 92817614004, 92817614005, 92817614006, 92817614007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	09/10/25 22:05	
Fluoride	mg/L	ND	0.10	09/10/25 22:05	
Sulfate	mg/L	ND	1.0	09/10/25 22:05	

LABORATORY CONTROL SAMPLE: 4930893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.0	102	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	51.6	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4930894 4930895

Parameter	Units	92817713001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.9	50	50	54.6	55.2	99	101	90-110	1	10	
Fluoride	mg/L	0.18	2.5	2.5	2.6	2.6	97	99	90-110	1	10	
Sulfate	mg/L	29.0	50	50	77.7	78.3	97	98	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4930896 4930897

Parameter	Units	92817614002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	37.5	50	50	86.8	87.7	99	100	90-110	1	10	
Fluoride	mg/L	0.39	2.5	2.5	2.9	2.9	101	102	90-110	1	10	
Sulfate	mg/L	16.7	50	50	66.5	67.5	100	102	90-110	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant McDonough-CCR Ash Pond-Revised Report
Pace Project No.: 92817614

QC Batch: 959903
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010D
Analysis Description: WC 6010D MET ICP
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92817614001, 92817614002, 92817614003, 92817614004, 92817614005, 92817614006, 92817614007

METHOD BLANK: 4932949 Matrix: Water
Associated Lab Samples: 92817614001, 92817614002, 92817614003, 92817614004, 92817614005, 92817614006, 92817614007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	ND	0.050	09/16/25 11:43	
Calcium	mg/L	ND	5.0	09/16/25 11:43	

LABORATORY CONTROL SAMPLE: 4932950

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.4	0.42	106	80-120	
Calcium	mg/L	40	39.4	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4932951 4932952

Parameter	Units	92817602001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	ND	0.4	0.4	0.45	0.44	107	104	75-125	2	20	
Calcium	mg/L	5.6	40	40	45.2	44.4	99	97	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant McDonough-CCR Ash Pond-Revised Report
Pace Project No.: 92817614

QC Batch: 960246
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92817614001, 92817614002, 92817614003, 92817614004, 92817614005, 92817614006, 92817614007

METHOD BLANK: 4934655 Matrix: Water
Associated Lab Samples: 92817614001, 92817614002, 92817614003, 92817614004, 92817614005, 92817614006, 92817614007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.0020	09/17/25 19:50	
Cobalt	mg/L	ND	0.0050	09/17/25 19:50	

LABORATORY CONTROL SAMPLE: 4934656

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.1	0.089	89	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4934657 4934658

Parameter	Units	92817614005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	0.1	0.1	0.092	0.092	91	91	75-125	0	20	
Cobalt	mg/L	ND	0.1	0.1	0.095	0.095	94	94	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALIFIERS

Project: Plant McDonough-CCR Ash Pond-Revised Report
Pace Project No.: 92817614

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McDonough-CCR Ash Pond-Revised Report
Pace Project No.: 92817614

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92817614001	**MCD-UT01_US**	SM 2540C-2020	960356		
92817614002	**MCD-UT02**	SM 2540C-2020	960356		
92817614003	**MCD-UT03**	SM 2540C-2020	960356		
92817614004	**MCD-UT01_DS**	SM 2540C-2020	960356		
92817614005	**MCD-CR-0.1**	SM 2540C-2020	960356		
92817614006	**MCD-CR+0.2**	SM 2540C-2020	960356		
92817614007	**MCD-CR+0.4**	SM 2540C-2020	960356		
92817614001	**MCD-UT01_US**	EPA 9056A	959494		
92817614002	**MCD-UT02**	EPA 9056A	959494		
92817614003	**MCD-UT03**	EPA 9056A	959494		
92817614004	**MCD-UT01_DS**	EPA 9056A	959494		
92817614005	**MCD-CR-0.1**	EPA 9056A	959494		
92817614006	**MCD-CR+0.2**	EPA 9056A	959494		
92817614007	**MCD-CR+0.4**	EPA 9056A	959494		
92817614001	**MCD-UT01_US**	EPA 3005A	959903	EPA 6010D	960529
92817614002	**MCD-UT02**	EPA 3005A	959903	EPA 6010D	960529
92817614003	**MCD-UT03**	EPA 3005A	959903	EPA 6010D	960529
92817614004	**MCD-UT01_DS**	EPA 3005A	959903	EPA 6010D	960529
92817614005	**MCD-CR-0.1**	EPA 3005A	959903	EPA 6010D	960529
92817614006	**MCD-CR+0.2**	EPA 3005A	959903	EPA 6010D	960529
92817614007	**MCD-CR+0.4**	EPA 3005A	959903	EPA 6010D	960529
92817614001	**MCD-UT01_US**	EPA 3005A	960246	EPA 6020B	960983
92817614002	**MCD-UT02**	EPA 3005A	960246	EPA 6020B	960983
92817614003	**MCD-UT03**	EPA 3005A	960246	EPA 6020B	960983
92817614004	**MCD-UT01_DS**	EPA 3005A	960246	EPA 6020B	960983
92817614005	**MCD-CR-0.1**	EPA 3005A	960246	EPA 6020B	960983
92817614006	**MCD-CR+0.2**	EPA 3005A	960246	EPA 6020B	960983
92817614007	**MCD-CR+0.4**	EPA 3005A	960246	EPA 6020B	960983

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Pace® Location Requested (City/State):
Pace Analytical Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92817614

92817614

Company Name:	ARCADIS - Atlanta	Contact/Report To:	Priya Johnson
Street Address:	2839 Paces Ferry Rd Suite 900 Atlanta, GA 30339	Phone #:	(618)790-6528
		E-Mail:	priya.johnson@arcadis.com
		Cc E-Mail:	Arcadis-Atl and GPC Distribution List
Customer Project #:			
Project Name:	Plant McDonough-CCR Ash Pond	Invoice To:	Accounts Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	AP-1	Purchase Order # (if applicable):	GPC82474-0004
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested: 5 Day TAT

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App IV Metals - As only	App IV Metals - Co only	App IV Metals - As, Co only	App III Metals - B, Ca only	Cl, F, SO4	TDS	Sample Comment	Preservation non-conformance identified for sample.
MCD-UT01_US	WS	G	9/9/25	1304			3			X			X	X	X		
MCD-UT02	WS	G	9/9/25	1257			3			X			X	X	X		
MCD-UT03	WS	G	9/9/25	1249			3			X			X	X	X		
MCD-UT01_DS	WS	G	9/9/25	1237			3			X			X	X	X		
MCD-CR-0.1	WS	G	9/9/25	1129			3				X		X	X	X		
MCD-CR+0.2	WS	G	9/9/25	1153			3				X		X	X	X		
MCD-CR+0.4	WS	G	9/9/25	1109			3					X	X	X	X		

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4 (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Maiya Parks

AcctNum / Client ID:

Table #:

Profile / Template: 12896

Prelog / Bottle Ord. ID: EZ 3296052

Additional Instructions from Pace®:
MCD-CSURF-ASSMT-202552

Collected By: (Printed Name) Garrett G.

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C) | Corrected Temp. (°C) | On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Arcadis	9/10/25 1328		

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐

WO#: 92817614
PM: MP Due Date: 09/19/25
CLIENT: GA-ArcadAtl

Sample Condition Upon Receipt

Client Name: Arcadis - McDonough

Project

Courier:
☐ Commercial
☐ Fed Ex ☐ UPS ☐ USPS ☑ Client
☐ Pace ☐ Other:____

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 9/16/25 KW

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:
☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 5.0 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.0

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WS				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☐ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☐ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

WO#: 92817614
PM: MP Due Date: 09/19/25
CLIENT: GA-ArcadAtl

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mech... ☑ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																													
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

APPENDIX B

Analytical Results
October 2025

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

November 20, 2025

Joju Abraham
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on October 23, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, WSP
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc - Atlanta

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92825416001	**MCD-DGWC-41**	Water	10/21/25 14:36	10/23/25 10:34
92825416002	**MCD-AP1-EB-1**	Water	10/21/25 14:50	10/23/25 10:34
92825416003	**MCD-DGWC-134**	Water	10/21/25 11:39	10/23/25 10:34
92825416004	**MCD-AP1-FD-1**	Water	10/21/25 00:00	10/23/25 10:34
92825416005	**MCD-DGWC-135**	Water	10/21/25 12:00	10/23/25 10:34
92825416006	**MCD-AP1-FB-1**	Water	10/21/25 12:15	10/23/25 10:34

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92825416001	**MCD-DGWC-41**	EPA 6020B	LD	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92825416002	**MCD-AP1-EB-1**	EPA 6020B	LD	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92825416003	**MCD-DGWC-134**	EPA 6020B	LD	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92825416004	**MCD-AP1-FD-1**	EPA 6020B	LD	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92825416005	**MCD-DGWC-135**	EPA 6020B	LD	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92825416006	**MCD-AP1-FB-1**	EPA 6020B	LD	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

Sample: MCD-DGWC-41 **Lab ID: 92825416001** Collected: 10/21/25 14:36 Received: 10/23/25 10:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00721**	mg/L	0.00200	0.000600	1	10/28/25 12:58	11/19/25 20:35	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**11.9**	mg/L	5.0	5.0	1		11/04/25 11:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/04/25 11:40		
Alkalinity, Total as CaCO3	**11.9**	mg/L	5.0	5.0	1		11/04/25 11:40		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**519**	mg/L	25.0	25.0	1		10/26/25 11:07		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**10.4**	mg/L	1.0	0.60	1		10/25/25 01:58	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/25/25 01:58	16984-48-8	
Sulfate	**271**	mg/L	6.0	3.0	6		10/25/25 13:03	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/27/25 14:59	11/10/25 15:11	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/27/25 14:59	11/10/25 15:11	7440-38-2	
Barium	**0.022**	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 15:11	7440-39-3	
Beryllium	**0.00016J**	mg/L	0.00040	0.00015	1	10/27/25 14:59	11/10/25 15:11	7440-41-7	
Boron	**1.1**	mg/L	0.40	0.062	10	10/27/25 14:59	11/11/25 07:04	7440-42-8	
Cadmium	**0.00033J**	mg/L	0.00050	0.00012	1	10/27/25 14:59	11/10/25 15:11	7440-43-9	
Calcium	**69.3**	mg/L	4.0	1.0	10	10/27/25 14:59	11/11/25 07:04	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 15:11	7440-47-3	
Cobalt	**0.0025J**	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 15:11	7440-48-4	
Iron	**0.15**	mg/L	0.040	0.012	1	10/27/25 14:59	11/10/25 15:11	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	10/27/25 14:59	11/10/25 15:11	7439-92-1	
Magnesium	**20.4**	mg/L	0.050	0.010	1	10/27/25 14:59	11/10/25 15:11	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	10/27/25 14:59	11/10/25 15:11	7439-98-7	
Potassium	**5.0**	mg/L	0.40	0.10	1	10/27/25 14:59	11/10/25 15:11	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 15:11	7782-49-2	
Sodium	**35.1**	mg/L	4.0	1.5	10	10/27/25 14:59	11/11/25 07:04	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	10/27/25 14:59	11/10/25 15:11	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	10/24/25 18:23	10/24/25 22:48	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

Sample: MCD-AP1-EB-1 **Lab ID: 92825416002** Collected: 10/21/25 14:50 Received: 10/23/25 10:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	10/28/25 12:58	11/19/25 20:38	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/04/25 11:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/04/25 11:45		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		11/04/25 11:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		10/26/25 11:07		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		10/25/25 03:17	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/25/25 03:17	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		10/25/25 03:17	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/27/25 14:59	11/10/25 15:20	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/27/25 14:59	11/10/25 15:20	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 15:20	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/27/25 14:59	11/10/25 15:20	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	10/27/25 14:59	11/10/25 15:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/27/25 14:59	11/10/25 15:20	7440-43-9	
Calcium	**0.26J**	mg/L	0.40	0.10	1	10/27/25 14:59	11/10/25 15:20	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 15:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 15:20	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	10/27/25 14:59	11/10/25 15:20	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	10/27/25 14:59	11/10/25 15:20	7439-92-1	
Magnesium	**0.050**	mg/L	0.050	0.010	1	10/27/25 14:59	11/10/25 15:20	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	10/27/25 14:59	11/10/25 15:20	7439-98-7	
Potassium	ND	mg/L	0.40	0.10	1	10/27/25 14:59	11/10/25 15:20	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 15:20	7782-49-2	
Sodium	**0.47**	mg/L	0.40	0.15	1	10/27/25 14:59	11/10/25 15:20	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	10/27/25 14:59	11/10/25 15:20	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	10/24/25 18:23	10/24/25 22:50	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

Sample: MCD-DGWC-134 **Lab ID: 92825416003** Collected: 10/21/25 11:39 Received: 10/23/25 10:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00523**	mg/L	0.00200	0.000600	1	10/28/25 12:58	11/19/25 20:41	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**90.8**	mg/L	5.0	5.0	1		11/04/25 11:49		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/04/25 11:49		
Alkalinity, Total as CaCO3	**90.8**	mg/L	5.0	5.0	1		11/04/25 11:49		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**227**	mg/L	25.0	25.0	1		10/27/25 10:54		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**5.7**	mg/L	1.0	0.60	1		10/25/25 03:33	16887-00-6	
Fluoride	**0.098J**	mg/L	0.10	0.050	1		10/25/25 03:33	16984-48-8	
Sulfate	**88.1**	mg/L	1.0	0.50	1		10/25/25 03:33	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/27/25 14:59	11/10/25 15:47	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/27/25 14:59	11/10/25 15:47	7440-38-2	
Barium	**0.044**	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 15:47	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/27/25 14:59	11/10/25 15:47	7440-41-7	
Boron	**2.1**	mg/L	2.0	0.31	50	10/27/25 14:59	11/11/25 07:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/27/25 14:59	11/10/25 15:47	7440-43-9	
Calcium	**18.8**	mg/L	0.40	0.10	1	10/27/25 14:59	11/10/25 15:47	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 15:47	7440-47-3	
Cobalt	**0.0044J**	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 15:47	7440-48-4	
Iron	**1.5**	mg/L	0.040	0.012	1	10/27/25 14:59	11/10/25 15:47	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	10/27/25 14:59	11/10/25 15:47	7439-92-1	
Magnesium	**21.0**	mg/L	0.050	0.010	1	10/27/25 14:59	11/10/25 15:47	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	10/27/25 14:59	11/10/25 15:47	7439-98-7	
Potassium	**3.8**	mg/L	0.40	0.10	1	10/27/25 14:59	11/10/25 15:47	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 15:47	7782-49-2	
Sodium	**12.3**	mg/L	0.40	0.15	1	10/27/25 14:59	11/10/25 15:47	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	10/27/25 14:59	11/10/25 15:47	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	10/24/25 18:23	10/24/25 22:53	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

Sample: MCD-AP1-FD-1 **Lab ID: 92825416004** Collected: 10/21/25 00:00 Received: 10/23/25 10:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00532**	mg/L	0.00200	0.000600	1	10/28/25 12:58	11/19/25 20:44	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**89.0**	mg/L	5.0	5.0	1		11/04/25 11:58		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/04/25 11:58		
Alkalinity, Total as CaCO3	**89.0**	mg/L	5.0	5.0	1		11/04/25 11:58		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**237**	mg/L	25.0	25.0	1		10/27/25 10:54		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**5.8**	mg/L	1.0	0.60	1		10/25/25 03:49	16887-00-6	
Fluoride	**0.14**	mg/L	0.10	0.050	1		10/25/25 03:49	16984-48-8	
Sulfate	**88.8**	mg/L	1.0	0.50	1		10/25/25 03:49	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/27/25 14:59	11/10/25 15:55	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/27/25 14:59	11/10/25 15:55	7440-38-2	
Barium	**0.044**	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 15:55	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/27/25 14:59	11/10/25 15:55	7440-41-7	
Boron	**2.0**	mg/L	2.0	0.31	50	10/27/25 14:59	11/11/25 07:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/27/25 14:59	11/10/25 15:55	7440-43-9	
Calcium	**18.5**	mg/L	0.40	0.10	1	10/27/25 14:59	11/10/25 15:55	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 15:55	7440-47-3	
Cobalt	**0.0044J**	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 15:55	7440-48-4	
Iron	**1.5**	mg/L	0.040	0.012	1	10/27/25 14:59	11/10/25 15:55	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	10/27/25 14:59	11/10/25 15:55	7439-92-1	
Magnesium	**20.5**	mg/L	0.050	0.010	1	10/27/25 14:59	11/10/25 15:55	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	10/27/25 14:59	11/10/25 15:55	7439-98-7	
Potassium	**3.8**	mg/L	0.40	0.10	1	10/27/25 14:59	11/10/25 15:55	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 15:55	7782-49-2	
Sodium	**12.2**	mg/L	0.40	0.15	1	10/27/25 14:59	11/10/25 15:55	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	10/27/25 14:59	11/10/25 15:55	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	10/24/25 18:23	10/24/25 23:00	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

Sample: MCD-DGWC-135 **Lab ID: 92825416005** Collected: 10/21/25 12:00 Received: 10/23/25 10:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00728**	mg/L	0.00200	0.000600	1	10/28/25 12:58	11/19/25 20:54	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**17.1**	mg/L	5.0	5.0	1		11/04/25 12:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/04/25 12:14		
Alkalinity, Total as CaCO3	**17.1**	mg/L	5.0	5.0	1		11/04/25 12:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**538**	mg/L	25.0	25.0	1		10/27/25 10:54		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**13.3**	mg/L	1.0	0.60	1		10/25/25 04:05	16887-00-6	
Fluoride	**0.079J**	mg/L	0.10	0.050	1		10/25/25 04:05	16984-48-8	
Sulfate	**280**	mg/L	6.0	3.0	6		10/25/25 13:50	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/27/25 14:59	11/10/25 16:04	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/27/25 14:59	11/10/25 16:04	7440-38-2	
Barium	**0.028**	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 16:04	7440-39-3	
Beryllium	**0.00019J**	mg/L	0.00040	0.00015	1	10/27/25 14:59	11/10/25 16:04	7440-41-7	
Boron	**0.96**	mg/L	0.40	0.062	10	10/27/25 14:59	11/11/25 07:30	7440-42-8	M1
Cadmium	ND	mg/L	0.00050	0.00012	1	10/27/25 14:59	11/10/25 16:04	7440-43-9	
Calcium	**71.6**	mg/L	4.0	1.0	10	10/27/25 14:59	11/11/25 07:30	7440-70-2	M1
Chromium	ND	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 16:04	7440-47-3	
Cobalt	**0.041**	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 16:04	7440-48-4	
Iron	**1.2**	mg/L	0.040	0.012	1	10/27/25 14:59	11/10/25 16:04	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	10/27/25 14:59	11/10/25 16:04	7439-92-1	
Magnesium	**23.3**	mg/L	0.050	0.010	1	10/27/25 14:59	11/10/25 16:04	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	10/27/25 14:59	11/10/25 16:04	7439-98-7	
Potassium	**6.3**	mg/L	0.40	0.10	1	10/27/25 14:59	11/10/25 16:04	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 16:04	7782-49-2	
Sodium	**30.6**	mg/L	4.0	1.5	10	10/27/25 14:59	11/11/25 07:30	7440-23-5	M1
Thallium	ND	mg/L	0.00050	0.00015	1	10/27/25 14:59	11/10/25 16:04	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	10/24/25 18:23	10/24/25 23:03	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

Sample: MCD-AP1-FB-1 **Lab ID: 92825416006** Collected: 10/21/25 12:15 Received: 10/23/25 10:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	10/28/25 12:58	11/19/25 20:22	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/04/25 12:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/04/25 12:20		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		11/04/25 12:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		10/27/25 10:55		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		10/25/25 04:21	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/25/25 04:21	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		10/25/25 04:21	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/27/25 14:59	11/10/25 16:49	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/27/25 14:59	11/10/25 16:49	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 16:49	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/27/25 14:59	11/10/25 16:49	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	10/27/25 14:59	11/10/25 16:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/27/25 14:59	11/10/25 16:49	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	10/27/25 14:59	11/10/25 16:49	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 16:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 16:49	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	10/27/25 14:59	11/10/25 16:49	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	10/27/25 14:59	11/10/25 16:49	7439-92-1	
Magnesium	**0.014J**	mg/L	0.050	0.010	1	10/27/25 14:59	11/10/25 16:49	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	10/27/25 14:59	11/10/25 16:49	7439-98-7	
Potassium	ND	mg/L	0.40	0.10	1	10/27/25 14:59	11/10/25 16:49	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 16:49	7782-49-2	
Sodium	**0.18J**	mg/L	0.40	0.15	1	10/27/25 14:59	11/10/25 16:49	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	10/27/25 14:59	11/10/25 16:49	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	10/24/25 18:23	10/24/25 23:05	7439-97-6	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

QC Batch: 2628217
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92825416001, 92825416002, 92825416003, 92825416004, 92825416005, 92825416006

METHOD BLANK: R4303461-1 Matrix: Water
Associated Lab Samples: 92825416001, 92825416002, 92825416003, 92825416004, 92825416005, 92825416006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	11/19/25 20:16	

LABORATORY CONTROL SAMPLE: R4303461-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0491	98.2	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4303461-4 R4303461-5

Parameter	Units	92825416006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	ND	0.0500	0.0500	0.0481	0.0486	96.2	97.1	75.0-125	0.931	20	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

QC Batch: 970376
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92825416001, 92825416002, 92825416003, 92825416004, 92825416005, 92825416006

METHOD BLANK: 4987387 Matrix: Water
Associated Lab Samples: 92825416001, 92825416002, 92825416003, 92825416004, 92825416005, 92825416006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	11/04/25 09:55	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	11/04/25 09:55	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	11/04/25 09:55	

LABORATORY CONTROL SAMPLE: 4987388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.8	102	80-120	

LABORATORY CONTROL SAMPLE: 4987389

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.7	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4987390 4987391

Parameter	Units	92824997013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	5.2	50	50	56.6	56.2	103	102	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4987392 4987393

Parameter	Units	92824997014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	118	50	50	163	164	90	92	80-120	1	25	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

QC Batch: 969326
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92825416001, 92825416002

METHOD BLANK: 4982085 Matrix: Water
Associated Lab Samples: 92825416001, 92825416002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	10/26/25 11:03	

LABORATORY CONTROL SAMPLE: 4982086

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	246	98	90-110	

SAMPLE DUPLICATE: 4982087

Parameter	Units	92825546001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	510	514	1	25	

SAMPLE DUPLICATE: 4982088

Parameter	Units	92825149001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	138	126	9	25	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

QC Batch: 969390 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92825416003, 92825416004, 92825416005, 92825416006

METHOD BLANK: 4982312 Matrix: Water
Associated Lab Samples: 92825416003, 92825416004, 92825416005, 92825416006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	10/27/25 10:54	

LABORATORY CONTROL SAMPLE: 4982313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	254	102	90-110	

SAMPLE DUPLICATE: 4982314

Parameter	Units	92825416003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	227	235	3	25	

SAMPLE DUPLICATE: 4982315

Parameter	Units	92825546021 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	908	904	0	25	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

QC Batch: 968963
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92825416001, 92825416002, 92825416003, 92825416004, 92825416005, 92825416006

METHOD BLANK: 4980205 Matrix: Water
Associated Lab Samples: 92825416001, 92825416002, 92825416003, 92825416004, 92825416005, 92825416006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	10/25/25 01:26	
Fluoride	mg/L	ND	0.10	0.050	10/25/25 01:26	
Sulfate	mg/L	ND	1.0	0.50	10/25/25 01:26	

LABORATORY CONTROL SAMPLE: 4980206

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.4	103	90-110	
Fluoride	mg/L	2.5	2.7	108	90-110	
Sulfate	mg/L	50	51.4	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4980207 4980208

Parameter	Units	92825416001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.4	50	50	57.4	58.9	94	97	90-110	3	10	
Fluoride	mg/L	ND	2.5	2.5	2.4	2.5	92	97	90-110	5	10	
Sulfate	mg/L	271	50	50	306	308	70	74	90-110	1	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4980209 4980210

Parameter	Units	92824997009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	7.0	50	50	55.5	55.1	97	96	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.4	2.4	96	94	90-110	1	10	
Sulfate	mg/L	0.52J	50	50	48.1	47.7	95	94	90-110	1	10	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

QC Batch: 969112
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92825416001, 92825416002, 92825416003, 92825416004, 92825416005, 92825416006

METHOD BLANK: 4981065 Matrix: Water
Associated Lab Samples: 92825416001, 92825416002, 92825416003, 92825416004, 92825416005, 92825416006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	11/10/25 14:53	
Arsenic	mg/L	ND	0.0020	0.0012	11/10/25 14:53	
Barium	mg/L	ND	0.0050	0.0012	11/10/25 14:53	
Beryllium	mg/L	ND	0.00040	0.00015	11/10/25 14:53	
Boron	mg/L	ND	0.040	0.0062	11/10/25 14:53	
Cadmium	mg/L	ND	0.00050	0.00012	11/10/25 14:53	
Calcium	mg/L	ND	0.40	0.10	11/10/25 14:53	
Chromium	mg/L	ND	0.0050	0.0012	11/10/25 14:53	
Cobalt	mg/L	ND	0.0050	0.0012	11/10/25 14:53	
Iron	mg/L	ND	0.040	0.012	11/10/25 14:53	
Lead	mg/L	ND	0.0010	0.00025	11/10/25 14:53	
Magnesium	mg/L	ND	0.050	0.010	11/10/25 14:53	
Molybdenum	mg/L	ND	0.010	0.0025	11/10/25 14:53	
Potassium	mg/L	ND	0.40	0.10	11/10/25 14:53	
Selenium	mg/L	ND	0.0050	0.0012	11/10/25 14:53	
Sodium	mg/L	ND	0.40	0.15	11/10/25 14:53	
Thallium	mg/L	ND	0.00050	0.00015	11/10/25 14:53	

LABORATORY CONTROL SAMPLE: 4981066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.099	99	80-120	
Arsenic	mg/L	0.1	0.095	95	80-120	
Barium	mg/L	0.1	0.10	101	80-120	
Beryllium	mg/L	0.1	0.093	93	80-120	
Boron	mg/L	0.1	0.096	96	80-120	
Cadmium	mg/L	0.1	0.097	97	80-120	
Calcium	mg/L	1	1.1	109	80-120	
Chromium	mg/L	0.1	0.10	105	80-120	
Cobalt	mg/L	0.1	0.11	106	80-120	
Iron	mg/L	1	1.0	102	80-120	
Lead	mg/L	0.1	0.10	100	80-120	
Magnesium	mg/L	1	0.98	98	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Potassium	mg/L	1	1.0	101	80-120	
Selenium	mg/L	0.1	0.089	89	80-120	
Sodium	mg/L	1	0.96	96	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	

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QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4981067 4981068

Parameter	Units	92825416005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20	
Barium	mg/L	0.028	0.1	0.1	0.12	0.12	96	96	75-125	0	20	
Beryllium	mg/L	0.00019J	0.1	0.1	0.097	0.098	97	97	75-125	0	20	
Boron	mg/L	0.96	0.1	0.1	1.1	1.1	105	128	75-125	2	20	M1
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20	
Calcium	mg/L	71.6	1	1	72.0	73.9	38	224	75-125	3	20	M1
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20	
Cobalt	mg/L	0.041	0.1	0.1	0.14	0.14	102	102	75-125	0	20	
Iron	mg/L	1.2	1	1	2.2	2.2	99	101	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.10	0.10	105	104	75-125	1	20	
Magnesium	mg/L	23.3	1	1	24.3	24.3	102	107	75-125	0	20	
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	103	104	75-125	1	20	
Potassium	mg/L	6.3	1	1	7.3	7.3	102	106	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	100	99	75-125	0	20	
Sodium	mg/L	30.6	1	1	31.9	32.5	129	186	75-125	2	20	M1
Thallium	mg/L	ND	0.1	0.1	0.11	0.10	105	103	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

QC Batch: 969077
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92825416001, 92825416002, 92825416003, 92825416004, 92825416005, 92825416006

METHOD BLANK: 4980827 Matrix: Water
Associated Lab Samples: 92825416001, 92825416002, 92825416003, 92825416004, 92825416005, 92825416006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	10/24/25 22:10	

LABORATORY CONTROL SAMPLE: 4980828

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0018	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4980829 4980830

Parameter	Units	92825409001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0017	0.0018	87	89	80-120	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92825416

[1]	WSP
[2]	DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-1 Detection QTR
Pace Project No.: 92825416

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92825416001	**MCD-DGWC-41**	3015	2628217	EPA 6020B	2628217
92825416002	**MCD-AP1-EB-1**	3015	2628217	EPA 6020B	2628217
92825416003	**MCD-DGWC-134**	3015	2628217	EPA 6020B	2628217
92825416004	**MCD-AP1-FD-1**	3015	2628217	EPA 6020B	2628217
92825416005	**MCD-DGWC-135**	3015	2628217	EPA 6020B	2628217
92825416006	**MCD-AP1-FB-1**	3015	2628217	EPA 6020B	2628217
92825416001	**MCD-DGWC-41**	SM 2320B-2021	970376		
92825416002	**MCD-AP1-EB-1**	SM 2320B-2021	970376		
92825416003	**MCD-DGWC-134**	SM 2320B-2021	970376		
92825416004	**MCD-AP1-FD-1**	SM 2320B-2021	970376		
92825416005	**MCD-DGWC-135**	SM 2320B-2021	970376		
92825416006	**MCD-AP1-FB-1**	SM 2320B-2021	970376		
92825416001	**MCD-DGWC-41**	SM 2540C-2020	969326		
92825416002	**MCD-AP1-EB-1**	SM 2540C-2020	969326		
92825416003	**MCD-DGWC-134**	SM 2540C-2020	969390		
92825416004	**MCD-AP1-FD-1**	SM 2540C-2020	969390		
92825416005	**MCD-DGWC-135**	SM 2540C-2020	969390		
92825416006	**MCD-AP1-FB-1**	SM 2540C-2020	969390		
92825416001	**MCD-DGWC-41**	EPA 300.0 Rev 2.1 1993	968963		
92825416002	**MCD-AP1-EB-1**	EPA 300.0 Rev 2.1 1993	968963		
92825416003	**MCD-DGWC-134**	EPA 300.0 Rev 2.1 1993	968963		
92825416004	**MCD-AP1-FD-1**	EPA 300.0 Rev 2.1 1993	968963		
92825416005	**MCD-DGWC-135**	EPA 300.0 Rev 2.1 1993	968963		
92825416006	**MCD-AP1-FB-1**	EPA 300.0 Rev 2.1 1993	968963		
92825416001	**MCD-DGWC-41**	EPA 3005A	969112	EPA 6020B	972722
92825416002	**MCD-AP1-EB-1**	EPA 3005A	969112	EPA 6020B	972722
92825416003	**MCD-DGWC-134**	EPA 3005A	969112	EPA 6020B	972722
92825416004	**MCD-AP1-FD-1**	EPA 3005A	969112	EPA 6020B	972722
92825416005	**MCD-DGWC-135**	EPA 3005A	969112	EPA 6020B	972722
92825416006	**MCD-AP1-FB-1**	EPA 3005A	969112	EPA 6020B	972722
92825416001	**MCD-DGWC-41**	EPA 7470A	969077	EPA 7470A	969259
92825416002	**MCD-AP1-EB-1**	EPA 7470A	969077	EPA 7470A	969259
92825416003	**MCD-DGWC-134**	EPA 7470A	969077	EPA 7470A	969259
92825416004	**MCD-AP1-FD-1**	EPA 7470A	969077	EPA 7470A	969259
92825416005	**MCD-DGWC-135**	EPA 7470A	969077	EPA 7470A	969259
92825416006	**MCD-AP1-FB-1**	EPA 7470A	969077	EPA 7470A	969259

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO# : 92825416

92825416

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other:____ ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 10/23/25 CAH

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.1 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 2.1

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	W			
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project

WO# : 92825416

PM: BV **Due Date: 11/06/25**

CLIENT: 92-GA Power

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC					SE																									
1		1	1		2		2																							
2		2	1		2		2																							
3		2	1		2		2																							
4		2	1		2		2																							
5		2	1		2		2																							
6		2	1		2		2																							
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Georgia Power - Coal Combustion Residuals	Report To:	Joju Abraham	Attention:	scsinvoices@southernco.com
Address:	2480 Maner Road	Copy To:	WSP	Company Name:	
	Atlanta, GA 30339			Address:	
Email:	JABRAHAM@SOUTHERNCO.COM	Purchase Order #:		Pace Quote:	
Phone:	(470) 620-6176 Fax:	Project Name:	Plant McD AP-1 Detection Quarterly	Pace Project Manager:	Bonnie Vang
Requested Due Date:	10 Day TAT	Project #:	31406440.McD23	Pace Profile #:	

Regulatory Agency

State / Location: GA

Requested Analysis Filtered (Y/N)

Task Code = MCD-CCR-OTH-20251021

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Analyses Test: Y/N	App III/IV metals* + Mg, Na, K, Fe	300.0 Cl, F, SO4	Radium 226/228	2540C TDS	2320B Alkalinity					Residual Chlorine (Y/N)	
1	MCD-DGWC-41	WG	G	10/21/25	14:36		7	3		4						N	X	X	X	X	X						
2	MCD-AP1-EB-1	WQ	G	10/21/25	14:50		7	3		4						N	X	X	X	X	X						
3	MCD-DGWC-134	WG	G	10/21/25	11:39		7	3		4						N	X	X	X	X	X						
4	MCD-AP1-FD-1	WG	G	10/21/25	-		7	3		4						N	X	X	X	X	X						
5	MCD-DGWC-135	WG	G	10/21/25	12:00		7	3		4						N	X	X	X	X	X						
6	MCD-AP1-FB-1	WQ	G	10/21/25	12:15		7	3		4						N	X	X	X	X	X						
7																											
8																											
9																											
10																											
11																											
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	SAMPLE CONDITIONS
Task Code = MCD-CCR-OTH-20251021	Jacob Stuckey	10/23/25	1034		10/23 1034	
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl						

DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

November 14, 2025

Joju Abraham
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Plant McD AP-1 Detect QTR-RADs
Pace Project No.: 92825551

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on October 23, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, WSP
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc - Atlanta

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CERTIFICATIONS

Project: Plant McD AP-1 Detect QTR-RADs
Pace Project No.: 92825551

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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SAMPLE SUMMARY

Project: Plant McD AP-1 Detect QTR-RADs
Pace Project No.: 92825551

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92825551001	**MCD-DGWC-41**	Water	10/21/25 14:36	10/23/25 10:34
92825551002	**MCD-AP1-EB-1**	Water	10/21/25 14:50	10/23/25 10:34
92825551003	**MCD-DGWC-134**	Water	10/21/25 11:39	10/23/25 10:34
92825551004	**MCD-AP1-FD-1**	Water	10/21/25 00:00	10/23/25 10:34
92825551005	**MCD-DGWC-135**	Water	10/21/25 12:00	10/23/25 10:34
92825551006	**MCD-AP1-FB-1**	Water	10/21/25 12:15	10/23/25 10:34

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-1 Detect QTR-RADs
Pace Project No.: 92825551

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92825551001	**MCD-DGWC-41**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92825551002	**MCD-AP1-EB-1**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92825551003	**MCD-DGWC-134**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92825551004	**MCD-AP1-FD-1**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92825551005	**MCD-DGWC-135**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92825551006	**MCD-AP1-FB-1**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect QTR-RADs
Pace Project No.: 92825551

Sample: MCD-DGWC-41 **Lab ID: 92825551001** Collected: 10/21/25 14:36 Received: 10/23/25 10:34 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0648U ± 0.187 (0.449) C:79% T:NA**	pCi/L	11/10/25 07:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.228U ± 0.419 (0.918) C:78% T:84%**	pCi/L	11/13/25 14:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.293U ± 0.606 (1.37)**	pCi/L	11/14/25 13:36	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect QTR-RADs
Pace Project No.: 92825551

Sample: MCD-AP1-EB-1 **Lab ID: 92825551002** Collected: 10/21/25 14:50 Received: 10/23/25 10:34 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0859U ± 0.188 (0.438) C:74% T:NA**	pCi/L	11/10/25 08:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.574U ± 0.435 (0.861) C:74% T:91%**	pCi/L	11/13/25 14:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.660U ± 0.623 (1.30)**	pCi/L	11/14/25 13:36	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect QTR-RADs
Pace Project No.: 92825551

Sample: MCD-DGWC-134 **Lab ID: 92825551003** Collected: 10/21/25 11:39 Received: 10/23/25 10:34 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0594U ± 0.167 (0.399) C:85% T:NA**	pCi/L	11/10/25 07:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.308U ± 0.394 (0.839) C:74% T:98%**	pCi/L	11/13/25 14:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.367U ± 0.561 (1.24)**	pCi/L	11/14/25 13:36	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect QTR-RADs
Pace Project No.: 92825551

Sample: MCD-AP1-FD-1 **Lab ID: 92825551004** Collected: 10/21/25 00:00 Received: 10/23/25 10:34 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.213U ± 0.212 (0.432) C:80% T:NA**	pCi/L	11/10/25 07:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.100U ± 0.396 (0.898) C:75% T:84%**	pCi/L	11/13/25 14:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.313U ± 0.608 (1.33)**	pCi/L	11/14/25 13:36	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect QTR-RADs
Pace Project No.: 92825551

Sample: MCD-DGWC-135 **Lab ID: 92825551005** Collected: 10/21/25 12:00 Received: 10/23/25 10:34 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.151U ± 0.149 (0.291) C:87% T:NA**	pCi/L	11/10/25 07:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.23 ± 0.502 (0.769) C:78% T:82%**	pCi/L	11/13/25 14:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.38 ± 0.651 (1.06)**	pCi/L	11/14/25 13:36	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect QTR-RADs
Pace Project No.: 92825551

Sample: MCD-AP1-FB-1 **Lab ID: 92825551006** Collected: 10/21/25 12:15 Received: 10/23/25 10:34 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0831U ± 0.165 (0.476) C:72% T:NA**	pCi/L	11/10/25 07:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.690U ± 0.506 (0.990) C:71% T:87%**	pCi/L	11/13/25 14:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.690U ± 0.671 (1.47)**	pCi/L	11/14/25 13:36	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect QTR-RADs
Pace Project No.: 92825551

QC Batch: 781325 Analysis Method: EPA 9315
QC Batch Method: EPA 9315 Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92825551001, 92825551002, 92825551003, 92825551004, 92825551005, 92825551006

METHOD BLANK: 3810505 Matrix: Water
Associated Lab Samples: 92825551001, 92825551002, 92825551003, 92825551004, 92825551005, 92825551006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.000205 ± 0.173 (0.449) C:80% T:NA	pCi/L	11/10/25 07:58	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-1 Detect QTR-RADs
Pace Project No.: 92825551

QC Batch: 781326 | Analysis Method: EPA 9320
QC Batch Method: EPA 9320 | Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92825551001, 92825551002, 92825551003, 92825551004, 92825551005, 92825551006

METHOD BLANK: 3810506 Matrix: Water
Associated Lab Samples: 92825551001, 92825551002, 92825551003, 92825551004, 92825551005, 92825551006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.495 ± 0.397 (0.786) C:78% T:81%	pCi/L	11/13/25 14:41	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: Plant McD AP-1 Detect QTR-RADs
Pace Project No.: 92825551

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92825551

[1] WSP

[2] DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-1 Detect QTR-RADs
Pace Project No.: 92825551

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92825551001	**MCD-DGWC-41**	EPA 9315	781325		
92825551002	**MCD-AP1-EB-1**	EPA 9315	781325		
92825551003	**MCD-DGWC-134**	EPA 9315	781325		
92825551004	**MCD-AP1-FD-1**	EPA 9315	781325		
92825551005	**MCD-DGWC-135**	EPA 9315	781325		
92825551006	**MCD-AP1-FB-1**	EPA 9315	781325		
92825551001	**MCD-DGWC-41**	EPA 9320	781326		
92825551002	**MCD-AP1-EB-1**	EPA 9320	781326		
92825551003	**MCD-DGWC-134**	EPA 9320	781326		
92825551004	**MCD-AP1-FD-1**	EPA 9320	781326		
92825551005	**MCD-DGWC-135**	EPA 9320	781326		
92825551006	**MCD-AP1-FB-1**	EPA 9320	781326		
92825551001	**MCD-DGWC-41**	Total Radium Calculation	784105		
92825551002	**MCD-AP1-EB-1**	Total Radium Calculation	784105		
92825551003	**MCD-DGWC-134**	Total Radium Calculation	784105		
92825551004	**MCD-AP1-FD-1**	Total Radium Calculation	784105		
92825551005	**MCD-DGWC-135**	Total Radium Calculation	784105		
92825551006	**MCD-AP1-FB-1**	Total Radium Calculation	784105		

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO# : 92825551

92825551

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 10/23/25 CAH

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.1 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 2.1

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project # WO#: 92825551
PM: BV Due Date: 11/13/25
CLIENT: 92-GA Power

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Me

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC					SI																									
1		1	1		2		2																							
2		2	1		2		2																							
3		2	1		2		2																							
4		2	1		2		2																							
5		2	1		2		2																							
6		2	1		2		2																							
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Georgia Power - Coal Combustion Residuals	Report To:	Jcju Abraham	Attention:	scsinvoices@southernco.com
Address:	2480 Maner Road	Copy To:	WSP	Company Name:	
	Atlanta, GA 30339			Address:	
Email:	JABRAHAM@SOUTHERNCO.COM	Purchase Order #:		Pace Quote:	
Phone:	(470) 620-6176 Fax:	Project Name:	Plant McD AP-1 Detection Quarterly	Pace Project Manager:	Bonnie Vang
Requested Due Date:	10 Day TAT	Project #:	31406440.McD23	Pace Profile #:	

Regulatory Agency

State / Location: GA

Requested Analysis Filtered (Y/N)

Task Code = MCD-CCR-OTH-20251021

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Analyses Test Y/N	App III/IV metals* + Mg, Na, K, Fe	300.0 Cl, F, SO4	Radium 226/228	2540C TDS	2320B Alkalinity					Residual Chlorine (Y/N)	92825551
	MATRIX CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS															Y/N	N	N	N	N	N	N				
1	MCD-DGWC-41	WG	G	10/21/25	14:36		7	3		4							X	X	X	X	X					001
2	MCD-AP1-EB-1	WQ	G	10/21/25	14:50		7	3		4							X	X	X	X	X					002
3	MCD-DGWC-134	WG	G	10/21/25	11:39		7	3		4							X	X	X	X	X					003
4	MCD-AP1-FD-1	WG	G	10/21/25	-		7	3		4							X	X	X	X	X					004
5	MCD-DGWC-135	WG	G	10/21/25	12:00		7	3		4							X	X	X	X	X					005
6	MCD-AP1-FB-1	WQ	G	10/21/25	12:15		7	3		4							X	X	X	X	X					006
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	SAMPLE CONDITIONS
Task Code = MCD-CCR-OTH-20251021	Jacob Stucky	10/23/25	1034		10/23 1034	
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl						

DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Ra-228
Analyst:	ZPC
Date:	11/5/2025
Worklist:	87932
Matrix:	WT

Method Blank Assessment	
MB Sample ID	3810506
MB concentration:	0.495
M/B 2 Sigma CSU:	0.397
MB MDC:	0.786
MB Numerical Performance Indicator:	2.44
MB Status vs Numerical Indicator:	Warning
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS87932	LCSD87932
Count Date:	11/13/2025	11/13/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	30.675	30.675
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.817	0.816
Target Conc. (pCi/L, g, F):	3.755	3.759
Uncertainty (Calculated):	0.184	0.184
Result (pCi/L, g, F):	4.489	3.639
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.042	0.891
Numerical Performance Indicator:	1.36	-0.26
Percent Recovery:	119.57%	96.80%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS87932	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD87932	
Sample Result (pCi/L, g, F):	4.489	
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.042	
Sample Duplicate Result (pCi/L, g, F):	3.639	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.891	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	1.215	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	21.05%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

VAL
11/14/25

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	11/6/2025
Worklist:	87931
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3810505
MB concentration:	0.000
M/B 2 Sigma CSU:	0.173
MB MDC:	0.449
MB Numerical Performance Indicator:	0.00
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS87931	LCSD87931
Count Date:	11/10/2025	11/10/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.007	25.007
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.508	0.502
Target Conc. (pCi/L, g, F):	4.920	4.979
Uncertainty (Calculated):	0.231	0.234
Result (pCi/L, g, F):	5.185	5.031
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.968	0.962
Numerical Performance Indicator:	0.52	0.10
Percent Recovery:	105.39%	101.05%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS87931	92825551001
Duplicate Sample I.D.	LCSD87931	92825551001DUP
Sample Result (pCi/L, g, F):	5.185	0.065
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.968	0.187
Sample Duplicate Result (pCi/L, g, F):	5.031	0.272
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.962	0.198
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	0.221	-1.492
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	4.21%	123.11%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

LAM 11/10/25

ET 11-10-25

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

November 24, 2025

Joju Abraham
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Plant McD AP-1234 Assessme QTR
Pace Project No.: 92825419

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on October 23, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, WSP
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc - Atlanta

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CERTIFICATIONS

Project: Plant McD AP-1234 Assessme QTR
Pace Project No.: 92825419

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Plant McD AP-1234 Assessme QTR
Pace Project No.: 92825419

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92825419001	**MCD-B-136D**	Water	10/22/25 12:23	10/23/25 10:34

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-1234 Assessme QTR
Pace Project No.: 92825419

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92825419001	**MCD-B-136D**	EPA 6020B	TMT	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	17	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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ANALYTICAL RESULTS

Project: Plant McD AP-1234 Assessme QTR
Pace Project No.: 92825419

Sample: MCD-B-136D **Lab ID: 92825419001** Collected: 10/22/25 12:23 Received: 10/23/25 10:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0117**	mg/L	0.00200	0.000600	1	10/29/25 10:26	11/21/25 15:00	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**134**	mg/L	5.0	5.0	1		11/05/25 00:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/05/25 00:25		
Alkalinity, Total as CaCO3	**134**	mg/L	5.0	5.0	1		11/05/25 00:25		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**684**	mg/L	50.0	50.0	1		10/28/25 10:54		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**20.1**	mg/L	1.0	0.60	1		10/25/25 04:37	16887-00-6	
Fluoride	**0.66**	mg/L	0.10	0.050	1		10/25/25 04:37	16984-48-8	
Sulfate	**292**	mg/L	6.0	3.0	6		10/25/25 14:05	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/27/25 14:59	11/10/25 16:58	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/27/25 14:59	11/10/25 16:58	7440-38-2	
Barium	**0.045**	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 16:58	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/27/25 14:59	11/10/25 16:58	7440-41-7	
Boron	**0.0083J**	mg/L	0.040	0.0062	1	10/27/25 14:59	11/10/25 16:58	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/27/25 14:59	11/10/25 16:58	7440-43-9	
Calcium	**53.8**	mg/L	4.0	1.0	10	10/27/25 14:59	11/11/25 08:33	7440-70-2	
Chromium	**0.087**	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 16:58	7440-47-3	
Cobalt	**0.0069**	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 16:58	7440-48-4	
Iron	**12.4**	mg/L	0.040	0.012	1	10/27/25 14:59	11/10/25 16:58	7439-89-6	
Lead	**0.00094J**	mg/L	0.0010	0.00025	1	10/27/25 14:59	11/10/25 16:58	7439-92-1	
Magnesium	**22.8**	mg/L	0.050	0.010	1	10/27/25 14:59	11/10/25 16:58	7439-95-4	
Molybdenum	**0.0025J**	mg/L	0.010	0.0025	1	10/27/25 14:59	11/10/25 16:58	7439-98-7	
Potassium	**3.6**	mg/L	0.40	0.10	1	10/27/25 14:59	11/10/25 16:58	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	10/27/25 14:59	11/10/25 16:58	7782-49-2	
Sodium	**10.8**	mg/L	0.40	0.15	1	10/27/25 14:59	11/10/25 16:58	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	10/27/25 14:59	11/10/25 16:58	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	10/24/25 18:23	10/24/25 23:08	7439-97-6	

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessme QTR
Pace Project No.: 92825419

QC Batch: 2628205
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92825419001

METHOD BLANK: R4304728-1 Matrix: Water
Associated Lab Samples: 92825419001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	11/21/25 15:41	

LABORATORY CONTROL SAMPLE: R4304728-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0492	98.5	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4304728-4 R4304728-5

Parameter	Units	L1911160-03 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00672	0.0500	0.0500	0.0579	0.0565	102	99.5	75.0-125	2.49	20	

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessme QTR
Pace Project No.: 92825419

QC Batch: 971101
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92825419001

METHOD BLANK: 4990997 Matrix: Water
Associated Lab Samples: 92825419001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	11/04/25 20:49	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	11/04/25 20:49	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	11/04/25 20:49	

LABORATORY CONTROL SAMPLE: 4990998

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.2	104	80-120	

LABORATORY CONTROL SAMPLE: 4990999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.1	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4991000 4991001

Parameter	Units	92825274019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	55.5	55.2	103	102	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4992353 4992354

Parameter	Units	92825539005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	34.9	50	50	84.0	84.1	98	98	80-120	0	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessme QTR
Pace Project No.: 92825419

QC Batch: 969639
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92825419001

METHOD BLANK: 4983520 Matrix: Water
Associated Lab Samples: 92825419001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	10/28/25 10:53	

LABORATORY CONTROL SAMPLE: 4983521

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	258	103	90-110	

SAMPLE DUPLICATE: 4983522

Parameter	Units	92825380001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	70.0	65.0	7	25	

SAMPLE DUPLICATE: 4983523

Parameter	Units	92825434003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	455	452	1	25	

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessme QTR
Pace Project No.: 92825419

QC Batch: 968963
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92825419001

METHOD BLANK: 4980205 Matrix: Water
Associated Lab Samples: 92825419001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	10/25/25 01:26	
Fluoride	mg/L	ND	0.10	0.050	10/25/25 01:26	
Sulfate	mg/L	ND	1.0	0.50	10/25/25 01:26	

LABORATORY CONTROL SAMPLE: 4980206

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.4	103	90-110	
Fluoride	mg/L	2.5	2.7	108	90-110	
Sulfate	mg/L	50	51.4	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4980207 4980208

Parameter	Units	92825416001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.4	50	50	57.4	58.9	94	97	90-110	3	10	
Fluoride	mg/L	ND	2.5	2.5	2.4	2.5	92	97	90-110	5	10	
Sulfate	mg/L	271	50	50	306	308	70	74	90-110	1	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4980209 4980210

Parameter	Units	92824997009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	7.0	50	50	55.5	55.1	97	96	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.4	2.4	96	94	90-110	1	10	
Sulfate	mg/L	0.52J	50	50	48.1	47.7	95	94	90-110	1	10	

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REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessme QTR
Pace Project No.: 92825419

QC Batch: 969112
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92825419001

METHOD BLANK: 4981065 Matrix: Water
Associated Lab Samples: 92825419001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	11/10/25 14:53	
Arsenic	mg/L	ND	0.0020	0.0012	11/10/25 14:53	
Barium	mg/L	ND	0.0050	0.0012	11/10/25 14:53	
Beryllium	mg/L	ND	0.00040	0.00015	11/10/25 14:53	
Boron	mg/L	ND	0.040	0.0062	11/10/25 14:53	
Cadmium	mg/L	ND	0.00050	0.00012	11/10/25 14:53	
Calcium	mg/L	ND	0.40	0.10	11/10/25 14:53	
Chromium	mg/L	ND	0.0050	0.0012	11/10/25 14:53	
Cobalt	mg/L	ND	0.0050	0.0012	11/10/25 14:53	
Iron	mg/L	ND	0.040	0.012	11/10/25 14:53	
Lead	mg/L	ND	0.0010	0.00025	11/10/25 14:53	
Magnesium	mg/L	ND	0.050	0.010	11/10/25 14:53	
Molybdenum	mg/L	ND	0.010	0.0025	11/10/25 14:53	
Potassium	mg/L	ND	0.40	0.10	11/10/25 14:53	
Selenium	mg/L	ND	0.0050	0.0012	11/10/25 14:53	
Sodium	mg/L	ND	0.40	0.15	11/10/25 14:53	
Thallium	mg/L	ND	0.00050	0.00015	11/10/25 14:53	

LABORATORY CONTROL SAMPLE: 4981066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.099	99	80-120	
Arsenic	mg/L	0.1	0.095	95	80-120	
Barium	mg/L	0.1	0.10	101	80-120	
Beryllium	mg/L	0.1	0.093	93	80-120	
Boron	mg/L	0.1	0.096	96	80-120	
Cadmium	mg/L	0.1	0.097	97	80-120	
Calcium	mg/L	1	1.1	109	80-120	
Chromium	mg/L	0.1	0.10	105	80-120	
Cobalt	mg/L	0.1	0.11	106	80-120	
Iron	mg/L	1	1.0	102	80-120	
Lead	mg/L	0.1	0.10	100	80-120	
Magnesium	mg/L	1	0.98	98	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Potassium	mg/L	1	1.0	101	80-120	
Selenium	mg/L	0.1	0.089	89	80-120	
Sodium	mg/L	1	0.96	96	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessme QTR
Pace Project No.: 92825419

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4981067 4981068

Parameter	Units	92825416005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20	
Barium	mg/L	0.028	0.1	0.1	0.12	0.12	96	96	75-125	0	20	
Beryllium	mg/L	0.00019J	0.1	0.1	0.097	0.098	97	97	75-125	0	20	
Boron	mg/L	0.96	0.1	0.1	1.1	1.1	105	128	75-125	2	20	M1
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20	
Calcium	mg/L	71.6	1	1	72.0	73.9	38	224	75-125	3	20	M1
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20	
Cobalt	mg/L	0.041	0.1	0.1	0.14	0.14	102	102	75-125	0	20	
Iron	mg/L	1.2	1	1	2.2	2.2	99	101	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.10	0.10	105	104	75-125	1	20	
Magnesium	mg/L	23.3	1	1	24.3	24.3	102	107	75-125	0	20	
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	103	104	75-125	1	20	
Potassium	mg/L	6.3	1	1	7.3	7.3	102	106	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	100	99	75-125	0	20	
Sodium	mg/L	30.6	1	1	31.9	32.5	129	186	75-125	2	20	M1
Thallium	mg/L	ND	0.1	0.1	0.11	0.10	105	103	75-125	2	20	

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessme QTR
Pace Project No.: 92825419

QC Batch: 969077
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92825419001

METHOD BLANK: 4980827 Matrix: Water
Associated Lab Samples: 92825419001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	10/24/25 22:10	

LABORATORY CONTROL SAMPLE: 4980828

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0018	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4980829 4980830

Parameter	Units	92825409001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0017	0.0018	87	89	80-120	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Plant McD AP-1234 Assessme QTR
Pace Project No.: 92825419

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92825419

[1]	WSP
[2]	DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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Huntersville, NC 28078
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-1234 Assessme QTR
Pace Project No.: 92825419

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92825419001	**MCD-B-136D**	3015	2628205	EPA 6020B	2628205
92825419001	**MCD-B-136D**	SM 2320B-2021	971101		
92825419001	**MCD-B-136D**	SM 2540C-2020	969639		
92825419001	**MCD-B-136D**	EPA 300.0 Rev 2.1 1993	968963		
92825419001	**MCD-B-136D**	EPA 3005A	969112	EPA 6020B	972722
92825419001	**MCD-B-136D**	EPA 7470A	969077	EPA 7470A	969259

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #: **WO# : 92825419**

92825419

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 10/23/25 CAH

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Thermometer: ☑ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 1.9 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 1.9

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

WO#: 92825419

PM: BV Due Date: 11/06/25

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		2	1		2		2																							
2					2																									
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Georgia Power - Coal Combustion Residuals	Report To:	Joju Abraham	Attention:	scsinvoices@southernco.com
Address:	2480 Maner Road	Copy To:	WSP	Company Name:	
	Atlanta, GA 30339			Address:	
Email:	JABRAHAM@SOUTHERNCO.COM	Purchase Order #:		Pace Quote:	
Phone:	Fax	Project Name:	Plant McD AP-1234 Assessment Quarterly	Pace Project Manager:	Bonnie Vang
Phone:	(470) 620-6176				
Requested Due Date:	10 Day TAT	Project #:	31406440.McD23	Pace Profile #:	

Page : 1 Of 1

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N): Analysis Test Y/N	App III/IV metals* + Mg, Na, K, Fe	300.0 Cl, F, SO4	Radium 226/228	2540C TDS	2320B Alkalinity				Residual Chlorine (Y/N)	Task Code = MCD-CCR-OTH-20251021
1	MCD-B-136D	WG	G	10/22/25	12:23		7	3		4						N	X	X	X	X	X	N	N	N		
2																N										
3																N										
4																N										
5																N										
6																N										
7																N										
8																N										
9																N										
10																N										
11																N										
12																N										
13																N										
14																N										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	SAMPLE CONDITIONS
Task Code = MCD-CCR-OTH-20251021	Jacob Stucky	10/23/25	1034		10/23 1034	
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl						

DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

November 14, 2025

Joju Abraham
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: McD AP-1234 Assessment QTR-RAD
Pace Project No.: 92825554

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on October 23, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, WSP
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc - Atlanta

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CERTIFICATIONS

Project: McD AP-1234 Assessment QTR-RAD
Pace Project No.: 92825554

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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SAMPLE SUMMARY

Project: McD AP-1234 Assessment QTR-RAD
Pace Project No.: 92825554

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92825554001	**MCD-B-136D**	Water	10/22/25 12:23	10/23/25 10:34

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SAMPLE ANALYTE COUNT

Project: McD AP-1234 Assessment QTR-RAD
Pace Project No.: 92825554

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92825554001	**MCD-B-136D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: McD AP-1234 Assessment QTR-RAD
Pace Project No.: 92825554

Sample: MCD-B-136D **Lab ID: 92825554001** Collected: 10/22/25 12:23 Received: 10/23/25 10:34 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.750 ± 0.304 (0.425) C:84% T:NA**	pCi/L	11/10/25 07:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.991U ± 0.564 (1.05) C:72% T:86%**	pCi/L	11/13/25 14:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.74 ± 0.868 (1.48)**	pCi/L	11/14/25 13:36	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL - RADIOCHEMISTRY

Project: McD AP-1234 Assessment QTR-RAD
Pace Project No.: 92825554

QC Batch: 781325
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92825554001

METHOD BLANK: 3810505 Matrix: Water
Associated Lab Samples: 92825554001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.000205 ± 0.173 (0.449) C:80% T:NA	pCi/L	11/10/25 07:58	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: McD AP-1234 Assessment QTR-RAD
Pace Project No.: 92825554

QC Batch: 781326
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92825554001

METHOD BLANK: 3810506
Matrix: Water
Associated Lab Samples: 92825554001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.495 ± 0.397 (0.786) C:78% T:81%	pCi/L	11/13/25 14:41	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: McD AP-1234 Assessment QTR-RAD
Pace Project No.: 92825554

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92825554

[1] WSP

[2] DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: McD AP-1234 Assessment QTR-RAD
Pace Project No.: 92825554

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92825554001	**MCD-B-136D**	EPA 9315	781325		
92825554001	**MCD-B-136D**	EPA 9320	781326		
92825554001	**MCD-B-136D**	Total Radium Calculation	784105		

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #: **WO# : 92825554**

92825554

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 10/23/25 ca

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Thermometer: ☑ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 1.9 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 1.9

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92825554
PM: BV Due Date: 11/13/25
CLIENT: 92-GA Power

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mec

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																															
1		2	1		2		2																								
2					1																										
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Georgia Power - Coal Combustion Residuals	Report To:	Joju Abraham	Attention:	gcsinvoices@southernco.com
Address:	2480 Maner Road	Copy To:	WSP	Company Name:	
	Atlanta, GA 30339			Address:	
Email:	JABRAHAM@SOUTHERNCO.COM	Purchase Order #:		Pace Quote:	
Phone:	(470) 620-6176 Fax	Project Name:	Plant McD AP-1234 Assessment Quarterly	Pace Project Manager:	Bonnie Vang
Requested Due Date:	10 Day TAT	Project #:	31406440.McD23	Pace Profile #:	

Page : 1 Of 1

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

Requested Analysis Filtered (Y/N)

Task Code = MCD-CCR-OTH-20251021

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Analyses Test Y/N	App III/IV metals* + Mg, Na, K, Fe	300.0 Cl, F, SO4	Radium 226/228	2540C TDS	2320B Alkalinity				Residual Chlorine (Y/N)	92825554
1	MCD-B-136D	WG	G	10/22/25	12:23		7	3		4							X	X	X	X	X					001
2																										
3																										
4																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										
13																										
14																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE
Task Code = MCD-CCR-OTH-20251021	Jacob Stuck	10/23/25	1034		10/23 1034
App III/IV metals* = Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl					

DATE Signed:

SAMPLE CONDITIONS			
TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Ra-228
Analyst:	ZPC
Date:	11/5/2025
Worklist:	87932
Matrix:	WT

Method Blank Assessment	
MB Sample ID	3810506
MB concentration:	0.495
M/B 2 Sigma CSU:	0.397
MB MDC:	0.786
MB Numerical Performance Indicator:	2.44
MB Status vs Numerical Indicator:	Warning
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS87932	LCSD87932
Count Date:	11/13/2025	11/13/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	30.675	30.675
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.817	0.816
Target Conc. (pCi/L, g, F):	3.755	3.759
Uncertainty (Calculated):	0.184	0.184
Result (pCi/L, g, F):	4.489	3.639
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.042	0.891
Numerical Performance Indicator:	1.36	-0.26
Percent Recovery:	119.57%	96.80%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS87932	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD87932	
Sample Result (pCi/L, g, F):	4.489	
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.042	
Sample Duplicate Result (pCi/L, g, F):	3.639	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.891	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	1.215	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	21.05%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

VAL
11/14/25

Quality Control Sample Performance Assessment

Pace Analytical™
www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	11/6/2025
Worklist:	87931
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3810505
MB concentration:	0.000
M/B 2 Sigma CSU:	0.173
MB MDC:	0.449
MB Numerical Performance Indicator:	0.00
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS87931	LCSD87931
Count Date:	11/10/2025	11/10/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.007	25.007
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.508	0.502
Target Conc. (pCi/L, g, F):	4.920	4.979
Uncertainty (Calculated):	0.231	0.234
Result (pCi/L, g, F):	5.185	5.031
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.968	0.962
Numerical Performance Indicator:	0.52	0.10
Percent Recovery:	105.39%	101.05%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS87931	92825551001
Duplicate Sample I.D.	LCSD87931	92825551001DUP
Sample Result (pCi/L, g, F):	5.185	0.065
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.968	0.187
Sample Duplicate Result (pCi/L, g, F):	5.031	0.272
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.962	0.198
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	0.221	-1.492
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	4.21%	123.11%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

LAM 11/10/25

ET 11-10-25

APPENDIX B

Data Validation Summary

Quality Control Review of Analytical Data - Ash Pond AP-1
Submitted by Pace Analytical Services, LLC
September 2025

This narrative presents results of the quality control (QC) data review performed on analytical data submitted by Pace Analytical Services, LLC. for groundwater and surface water samples collected at Plant McDonough CCR Ash Pond AP-1 between September 9 and October 22, 2025. The chemical data were reviewed to identify quality issues which could have affected the use of the data for decision-making purposes.

Information regarding the primary sample locations, analytical parameters, QC samples, sampling dates, and laboratory sample delivery group (SDG) designations was summarized in Table 1. In accordance with groundwater monitoring and corrective action procedures discussed in Title 40 CFR, Subpart D - Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, the samples were analyzed for detection monitoring constituents listed in 40 CFR, Part 257, Appendix III and assessment monitoring constituents listed in 40 CFR, Part 257, Appendix IV. Groundwater samples were also analyzed for cations (magnesium, sodium, and potassium), alkalinity, and total iron. Test methods included Inductively Coupled Plasma- Mass Spectrometry (ICP-MS) (USEPA Method 6020B), Mercury in Liquid Wastes (USEPA Method 7470A), Determination of Inorganic Anions By Ion Chromatography (USEPA Method 300.0), Total Dissolved Solids (TDS) (Standard Methods 2540C), Radium-226 (USEPA Method 9315), Radium-228 (USEPA Method 9320), and Alkalinity by Titration (Standard Methods 2320B). Additional surface water samples were collected and analyzed for select metals via USEPA Method 6020B and Inductively Coupled Plasma (ICP) 6010D, anions via method 9056, and TDS via Standard Methods 2540C.

Data were reviewed in accordance with the US EPA Region IV Data Validation Standard Operating Procedures for Contract Laboratory Program (CLP) Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0), US EPA Region IV Data Validation Standard Operating Procedures for CLP Mercury Data by Cold Vapor Atomic Absorption (September 2011, Rev. 2.0), the National Functional Guidelines for Inorganic Superfund Methods Data Review (November 2020), and US Department of Energy, Evaluation of Radiochemical Data Usability (April 1997). The review included an assessment of the results for completeness, precision (laboratory and field duplicates, matrix spike/matrix spike duplicates, laboratory control sample/laboratory control sample duplicates), accuracy (laboratory control samples and matrix spike samples), and sensitivity (blank contamination, including field, equipment, and laboratory blanks. Additionally, sample procedures, holding times and chains-of-custody were reviewed. Where there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytic methodology, method-specific criteria or professional judgment was used.

DATA QUALITY OBJECTIVES

Laboratory Precision: Laboratory goals for precision were met.

Field Precision: Field goals for precision were met.

Accuracy: Laboratory goals for accuracy were met except for boron, calcium, sodium, magnesium, and sulfate as described in the qualification section below.

Detection Limits and Blanks: Project goals for detection limits were met with the exception of total dissolved solids (TDS). A lesser volume of sample was used for selected samples in TDS analysis due to the nature of the sample matrix, resulting in elevated reporting limits (RLs). Certain samples were diluted due to elevated concentrations of target analytes. Dilutions did not require qualifications based on USEPA guidelines.

	Detection and reporting limits of non-detect compounds were elevated proportional to the dilution when undiluted sample results were not provided by the laboratory. The data usability of diluted results was evaluated by the data user in the context of site-wide characterization. Detections were found in certain blank results, as described in the qualification sections below.
Completeness:	100% of the total samples were validated for completeness and used for statistical analysis.
Representativeness:	All holding time and sample preservation requirements were met in accordance with specific analytical methods.

QUALIFICATIONS

In general, chemical results for the samples collected at the Site were qualified based on outlying precision, sensitivity, accuracy, or based on professional judgment.

The data generated as part of this sampling event met the QC criteria established in the respective analytical methods and data validation guidelines except for the following bulleted items highlighting QC anomalies to specific parameters. Qualifications may not have been required or applied to all samples collected. A summary of sample qualifications can be found in Table 2.

- SDG 92825416 had equipment and field blank detections for calcium, magnesium, and sodium. All associated samples were either non-detect for these analytes or the result was greater than 10x the blank concentration and qualifications were not required.
- Boron, calcium, sodium, and sulfate in SDG 92825416 had MS and MSD recoveries outside of QC limits. Similarly, in SDG 92817554, MS and MSD recoveries were outside of QC limits for boron, calcium, and magnesium. All corresponding sample results in both SDGs were greater than 4x the added spike concentration and therefore qualification was not required.

WSP reviewed the data from samples collected at Plant McDonough CCR Ash Pond AP-1 between September 9 and October 22, 2025, in accordance with the analytical methods, the laboratory specific QC criteria, and the guidelines.

REFERENCE

Paar, J.G. & Porterfield, D.R. *Evaluation of Radiochemical Data Usability.* United States Department of Energy, Office of Environmental Restoration and Waste Management, Oak Ridge National Laboratory, April 1997.

USEPA, November 2020, National, Office of Superfund Remediation and Technology Innovation, *National Functional Guidelines for Inorganic Superfund Methods Data Review,* Revision 0.0.

USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, *Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data By Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy,* Revision 2.0.

USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, *Data Validation Standard Operating Procedures for Contract Laboratory Program Mercury Data By Cold Vapor Atomic Absorption,* Revision 2.0.

TABLE 1

Sample Summary Table
SCS Plant McDonough

						Analyses							
SDGs	***Field Identification***	***Collection Date***	***Lab Identification***	***Matrix***	***QC Samples***	**Total Mercury (EPA 7470A)**	**Alkalinity (SM 2320B)**	**TDS (SM 2540C-2011)**	**Total Metals (EPA 6020B)**	**Anions (EPA 300.0)**	**Anions (EPA 9056)**	**Radium-226 (EPA 9315)**	**Radium-228 (EPA 9320)**
92817960	MCD-DGWA-70A	9/10/2025	92817960001	WG	-	X	X	X	X	X	-	-	-
92817960	MCD-DGWA-53	9/10/2025	92817960002	WG	-	X	X	X	X	X	-	-	-
92817960	MCD-DGWA-71	9/10/2025	92817960003	WG	-	X	X	X	X	X	-	-	-
92818027	MCD-DGWA-70A	9/10/2025	92818027001	WG	-	-	-	-	-	-	-	X	X
92818027	MCD-DGWA-53	9/10/2025	92818027002	WG	-	-	-	-	-	-	-	X	X
92818027	MCD-DGWA-71	9/10/2025	92818027003	WG	-	-	-	-	-	-	-	X	X
92817556	MCD-B-112D	9/9/2025	92817556001	WG	-	X	X	X	X	X	-	-	-
92817556	MCD-B-105D	9/17/2025	92817556002	WG	-	X	X	X	X	X	-	-	-
92817567	MCD-B-112D	9/9/2025	92817567001	WG	-	-	-	-	-	-	-	X	X
92817567	MCD-B-105D	9/17/2025	92817567002	WG	-	-	-	-	-	-	-	X	X
92817554	MCD-DGWC-67	9/9/2025	92817554001	WG	-	X	X	X	X	X	-	-	-
92817554	MCD-DGWC-68A	9/9/2025	92817554002	WG	-	X	X	X	X	X	-	-	-
92817554	MCD-DGWC-38	9/15/2025	92817554003	WG	-	X	X	X	X	X	-	-	-
92817554	MCD-AP1-EB-1	9/15/2025	92817554004	WQ	EB (MCD-DGWC-38)	X	X	X	X	X	-	-	-
92817554	MCD-DGWC-40	9/16/2025	92817554005	WG	-	X	X	X	X	X	-	-	-
92817554	MCD-DGWC-37	9/16/2025	92817554006	WG	-	X	X	X	X	X	-	-	-
92817554	MCD-AP1-FB-1	9/16/2025	92817554007	WQ	FB (MCD-DGWC-37)	X	X	X	X	X	-	-	-
92817554	MCD-DGWC-39	9/16/2025	92817554008	WG	-	X	X	X	X	X	-	-	-
92817554	MCD-AP1-FD-1	9/16/2025	92817554009	WG	FD (MCD-DGWC-39)	X	X	X	X	X	-	-	-
92817554	MCD-DGWC-69	9/16/2025	92817554010	WG	-	X	X	X	X	X	-	-	-
92817554	MCD-DGWC-121	9/16/2025	92817554011	WG	-	X	X	X	X	X	-	-	-
92817566	MCD-DGWC-67	9/9/2025	92817566001	WG	-	-	-	-	-	-	-	X	X
92817566	MCD-DGWC-68A	9/9/2025	92817566002	WG	-	-	-	-	-	-	-	X	X
92817566	MCD-DGWC-38	9/15/2025	92817566003	WG	-	-	-	-	-	-	-	X	X
92817566	MCD-AP1-EB-1	9/15/2025	92817566004	WQ	EB (MCD-DGWC-38)	-	-	-	-	-	-	X	X
92817566	MCD-DGWC-40	9/16/2025	92817566005	WG	-	-	-	-	-	-	-	X	X
92817566	MCD-DGWC-37	9/16/2025	92817566006	WG	-	-	-	-	-	-	-	X	X
92817566	MCD-AP1-FB-1	9/16/2025	92817566007	WQ	FB (MCD-DGWC-37)	-	-	-	-	-	-	X	X
92817566	MCD-DGWC-39	9/16/2025	92817566008	WG	-	-	-	-	-	-	-	X	X
92817566	MCD-AP1-FD-1	9/16/2025	92817566009	WG	FD (MCD-DGWC-39)	-	-	-	-	-	-	X	X
92817566	MCD-DGWC-69	9/16/2025	92817566010	WG	-	-	-	-	-	-	-	X	X
92817566	MCD-DGWC-121	9/16/2025	92817566011	WG	-	-	-	-	-	-	-	X	X
92818527	MCD-B-62	9/15/2025	92818527001	WG	-	X	X	X	X	X	-	-	-
92818527	MCD-B-100	9/16/2025	92818527002	WG	-	X	X	X	X	X	-	-	-
92818530	MCD-B-62	9/9/2025	92818530001	WG	-	-	-	-	-	-	-	X	X
92818530	MCD-B-100	9/9/2025	92818530002	WG	-	-	-	-	-	-	-	X	X
92817614	MCD-UT01_US	9/9/2025	92817614001	WS	-	-	-	X	X	-	X	-	-
92817614	MCD-UT02	9/9/2025	92817614002	WS	-	-	-	X	X	-	X	-	-
92817614	MCD-UT03	9/9/2025	92817614003	WS	-	-	-	X	X	-	X	-	-
92817614	MCD-UT01_DS	9/9/2025	92817614004	WS	-	-	-	X	X	-	X	-	-
92817614	MCD-CR-0.1	9/9/2025	92817614005	WS	-	-	-	X	X	-	X	-	-
92817614	MCD-CR+0.2	9/9/2025	92817614006	WS	-	-	-	X	X	-	X	-	-
92817614	MCD-CR+0.4	9/9/2025	92817614007	WS	-	-	-	X	X	-	X	-	-
92817602	MCD-DW_DS	9/9/2025	92817602001	WS	-	-	-	X	X	-	X	-	-
92817602	MCD-DW_US	9/9/2025	92817602002	WS	-	-	-	X	X	-	X	-	-
92817602	MCD-CR-0.2	9/9/2025	92817602003	WS	-	-	-	X	X	-	X	-	-
92817602	MCD-CR-0.5	9/9/2025	92817602004	WS	-	-	-	X	X	-	X	-	-
92817594	MCD-DW_DS	9/9/2025	92817594001	WS	-	-	-	-	-	-	-	X	X
92817594	MCD-DW_US	9/9/2025	92817594002	WS	-	-	-	-	-	-	-	X	X
92817594	MCD-CR-0.2	9/9/2025	92817594003	WS	-	-	-	-	-	-	-	X	X
92817594	MCD-CR-0.5	9/9/2025	92817594004	WS	-	-	-	-	-	-	-	X	X
92825416	MCD-DGWC-41	10/21/2025	92825416001	WG	-	X	X	X	X	X	-	-	-
92825416	MCD-AP1-EB-1	10/21/2025	92825416002	WQ	EB (MCD-DGWC-41)	X	X	X	X	X	-	-	-
92825416	MCD-DGWC-134	10/21/2025	92825416003	WG	-	X	X	X	X	X	-	-	-
92825416	MCD-AP1-FD-1	10/21/2025	92825416004	WG	FD (MCD-DGWC-134)	X	X	X	X	X	-	-	-
92825416	MCD-DGWC-135	10/21/2025	92825416005	WG	-	X	X	X	X	X	-	-	-
92825416	MCD-AP1-FB-1	10/21/2025	92825416006	WQ	FB (MCD-DGWC-135)	X	X	X	X	X	-	-	-
92825551	MCD-DGWC-41	10/21/2025	92825551001	WG	-	-	-	-	-	-	-	X	X
92825551	MCD-AP1-EB-1	10/21/2025	92825551002	WQ	EB (MCD-DGWC-41)	-	-	-	-	-	-	X	X
92825551	MCD-DGWC-134	10/21/2025	92825551003	WG	-	-	-	-	-	-	-	X	X
92825551	MCD-AP1-FD-1	10/21/2025	92825551004	WG	FD (MCD-DGWC-134)	-	-	-	-	-	-	X	X
92825551	MCD-DGWC-135	10/21/2025	92825551005	WG	-	-	-	-	-	-	-	X	X
92825551	MCD-AP1-FB-1	10/21/2025	92825551006	WQ	FB (MCD-DGWC-135)	-	-	-	-	-	-	X	X
92825419	MCD-B-136D	10/22/2025	92825419001	WG	-	X	X	X	X	X	-	-	-
92825554	MCD-B-136D	10/22/2025	92825554001	WG	-	-	-	-	-	-	-	X	X

Abbreviations:
SDG- Sample Delivery Group
QC - Quality Control
WG - Groundwater
WQ - Water quality control
FB - Field Blank
EB - Equipment Blank
FD - Field Duplicate
WS - Surface water
TDS - Total dissolved solids

TABLE 2
Qualifier Summary Table
SCS Plant McDonough

SDG	*Sample Name*	*Constituent*	*New Result*	*New RL or MDC*	*Qualifier*	*Reason*
All	-	-	-	-	-	Qualifications not required

Abbreviations:
RL : Reporting limit
MDC : Minimum detectable concentration
SDG : Sample delivery group

APPENDIX B

Laboratory Accreditation

PEOPLE ADVANCING SCIENCE

Stipulation of Approval for Commercial Environmental Laboratories

Pursuant to the *Rules and Regulations of the State of Georgia* (O.C.G.A. 12-2-9) and *Rule 391-3-26.05* for "Commercial Environmental Laboratories", any person submitting data prepared by a commercial analytical laboratory to the Division for regulatory purposes shall stipulate that the laboratory is approved.

The stipulations for which PAS-Asheville is approved, is as follows:

Laboratory:	**Pace Analytical Services, LLC – Asheville, NC** 2225 Riverside Drive Asheville, NC 28804 Phone: (828) 254-7176
Accredited By:	Authority Commonwealth of Virginia, Department of General Services Program Division of Consolidated Laboratory Services - Accrediting NELAP Authority
Accreditation ID:	460222
Scope of Accreditation:	Non-Potable Water (NPW) Wet Chemistry, Metals Solid and Chemical Materials (SCM) Wet Chemistry, Metals
Effective Dates:	June 14, 2025 – June 15, 2026

Any question regarding this stipulation of approval may be directed to PAS-Asheville at (828) 254-7176.

Thank you for your business and please do not hesitate to contact us if we can be of further assistance.

Sincerely,

Stephanie Atkins
Quality Program Manager
Asheville Laboratory - Pace Analytical Services, LLC

Rec'd 3/4/25

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

Jeffrey W. Cown, Director

Watershed Protection Branch
2 Martin Luther King, Jr. Drive
Suite 1470A, East Tower
Atlanta, Georgia 30334
404-463-1511

Ms. LeighAnn Miller, Laboratory Director
Pace Analytical Services, LLC - Greensburg
1638 Roseytown Road, Suites 2, 3 and 4
Greensburg, PA 15601

FEB 25 2025

RE: Certification by Reciprocity
Pace Analytical Services, Inc. - Greensburg
Georgia ID #C040

Dear Ms. Miller:

The Georgia Department of Natural Resources, Environmental Protection Division (EPD), is in receipt of all required data necessary to fulfill your laboratory's request for Certification by Reciprocity in Georgia for the analysis of the parameters listed on the attached certificate. Therefore, in accordance with the Georgia Safe Drinking Water Act of 1977 (Sections 12-5-170 through 12-5-193, O.C.G.A.) and the Rules for Safe Drinking Water (Chapter 391-3-5), this certification is valid until March 31, 2026. This certification is contingent upon continued Certification by the Commonwealth of Pennsylvania's Department of Environmental Protection and is non-transferable. This certification is also contingent upon continued acceptable semi-annual Proficiency Testing results.

If Pace Analytical Services, LLC – Greensburg's certification status is downgraded for any analyte/method by your Primary Accrediting Agency, the GA Certification Program must be notified. Any downgrade will result in the withdrawal of reciprocity for that analyte.

Prior to the expiration of this certification, please have the following information be forwarded to me at Griffin.Hughes@dnr.ga.gov.

1. Copies of the most current on-site report, and proposed and accepted corrective actions
2. Copies of the Certificate and scope of accreditation listing analytes
3. Application for renewal

For additional information please feel free to contact Griffin Hughes at 470-524-7499.

Sincerely,

Griffin Hughes
Laboratory Certification Officer
Drinking Water Compliance Unit

Sean Earley
Program Manager
Drinking Water Compliance Unit

PACE ANALYTICAL SERVICES, LLC - GREENSBURG (GA LAB ID# C040)
1638 Roseytown Road, Suites 2,3 and 4, Greensburg, PA 15601
Effective April 1, 2025 - March 31, 2026

ANALYTE	CERTIFIED BY	METHOD
RADIONUCLIDES		
Gross Alpha	PA DEP	900.0, SM 7110C
Gross Beta	PA DEP	900.0
Radium 226	PA DEP	903.1
Radium 228	PA DEP	904.0
Uranium	PA DEP	ASTM D5174-97

PEOPLE ADVANCING SCIENCE

Stipulation of Approval for Commercial Environmental Laboratories

Pursuant to the *Rules and Regulations of the State of Georgia* (O.C.G.A. 12-2-9) and *Rule 391-3-26.05* for "Commercial Environmental Laboratories", any person submitting data prepared by a commercial analytical laboratory to the Division for regulatory purposes shall stipulate that the laboratory is approved.

The stipulations for which Pace Analytical National Center for Testing & Innovation laboratory is approved as follows:

Laboratory:	**Pace Analytical National Center for Testing & Innovation** 12065 Lebanon Road Mt. Juliet, TN Phone: (615) 758-5858 Fax:
Accredited By:	Authority Louisiana Department of Environmental Quality Program Environmental Laboratory Accreditation Program (ELAP)
Accreditation ID	30792
Scope of Accreditation:	Air Emissions - Rad Analysis (EPA 907, EPA 9310) - Organics (EPA TO-15, EPA 3C, EPA TO-15 GC/MS, EPA TO-3) Non-Potable Water (NPW) -- Inorganics (Metals; Non-Metals/Wet Chemistry) - Organics (SVOCs; VOCs) - Microbiology - Rad Analysis Solid Chemical Materials (SCM) -- Inorganics (Metals; Non-Metals/Wet Chemistry) - Organics (SVOCs; VOCs) - Rad Analysis
Effective Dates:	July 1, 2025 – June 30, 2026

Any questions regarding this stipulation of approval may be directed to Pace Analytical National Center for Testing & Innovation laboratory at (615) 758-5858. Thank you for your business and please do not hesitate to contact us if we can be of further assistance.

Sincerely,

Blake Judge

Blake Judge
Quality Manager - Pace Analytical National Center for Testing & Innovation

PEOPLE ADVANCING SCIENCE

June 27, 2025

RE: Georgia Commercial Laboratory Accreditation Rule
Stipulation Requirements for Analysis of Non-Potable Water and Solid and Chemical Materials

Georgia state law requires any person submitting data to the GA Environmental Protection Division for regulatory purposes to stipulate that the laboratory responsible for preparing the data is approved or accredited to perform analysis of environmental samples. This stipulation must be included within each report or may be submitted in a separate document with the first report of the calendar year; alternatively, the attached scope of accreditation may be submitted in lieu of a stipulation.

The information provided below may be used to generate a stipulation for data reporting purposes:

Name of Laboratory:	Pace Analytical Services, LLC – West Columbia
Name of Accrediting Agency:	Florida Department of Health [Primary NELAP Accreditation]
Accreditation Number:	E87653
Scopes of Accreditation:	Non-Potable Water Solid and Chemical Materials
Accreditation Effective Date:	July 1, 2025
Accreditation Expiration Date:	June 30, 2026

For additional information regarding the Georgia Commercial Laboratory Accreditation Rule, please contact the Georgia Environmental Protection Division at 404-656-4713.

Sincerely,

Erin Boyd

Erin Boyd
Quality Manager

APPENDIX C

Well Condition Inspection Table and Well Maintenance and Repair Documentation

Well Inspection

Site Name: Plant McDonough

Date: 9/8/2025

Permit Number: NA

Field Conditions: Sunny

Well ID:	Location/Identification			
	Visible and accessible	Properly identified with correct well ID	Located in high traffic area; does the well require protection from traffic	Acceptable drainage around well (no standing water, not located in obvious drainage flow path)
DGWA-53	YES	YES	NO	YES
DGWA-70A	YES	YES	NO	YES
DGWA-71	YES	YES	NO	YES
DGWC-37	YES	YES	NO	YES
DGWC-38	YES	YES	NO	YES
DGWC-39	YES	YES	NO	YES
DGWC-40	YES	YES	NO	YES
DGWC-41	YES	YES	NO	YES
DGWC-67	YES	YES	NO	YES
DGWC-68A	YES	YES	NO	YES
DGWC-69	YES	YES	NO	YES
DGWC-121	YES	YES	NO	YES
DGWC-134	YES	YES	NO	YES
DGWC-135	YES	YES	NO	YES
B-62	YES	YES	NO	YES
B-100	YES	YES	NO	YES
B-105D	YES	YES	NO	YES
B-112D	YES	YES	NO	YES
B-136D	YES	YES	NO	YES
DGWC-2	YES	YES	NO	YES
DGWC-4	YES	YES	NO	YES
DGWC-5	YES	YES	NO	YES
DGWC-8	YES	YES	NO	YES
DGWC-9A	YES	YES	NO	YES
DGWC-10	YES	YES	NO	YES
DGWC-11	YES	YES	NO	YES
DGWC-12	YES	YES	NO	YES
DGWC-13	YES	YES	NO	YES
DGWC-14	YES	YES	NO	YES
DGWC-15	YES	YES	NO	YES
DGWC-16	YES	YES	NO	YES
DGWC-17	YES	YES	NO	YES
DGWC-18	YES	YES	NO	YES
DGWC-19	YES	YES	NO	YES
DGWC-20	YES	YES	NO	YES
DGWC-21	YES	YES	NO	YES
DGWC-22	YES	YES	NO	YES
DGWC-23	YES	YES	NO	YES

Well Inspection

Site Name: Plant McDonough Date: 9/8/2025

Permit Number: NA Field Conditions: Sunny

Well ID:	Location/Identification			
	Visible and accessible	Properly identified with correct well ID	Located in high traffic area; does the well require protection from traffic	Acceptable drainage around well (no standing water, not located in obvious drainage flow path)
DGWC-42	YES	YES	NO	YES
DGWC-47	YES	YES	NO	YES
DGWC-48	YES	YES	NO	YES
DGWC-126	YES	YES	NO	YES
DGWC-127	YES	YES	NO	YES
DGWC-128	YES	YES	NO	YES
B-56	YES	YES	NO	YES
B-63	YES	YES	NO	YES
B-66	YES	YES	NO	YES
B-77	YES	YES	NO	YES
B-82	YES	YES	NO	YES
B-83	YES	YES	NO	YES
B-88	YES	YES	NO	YES
B-92	YES	YES	NO	YES
B-93	YES	YES	NO	YES
B-97	YES	YES	NO	YES
B-98	YES	YES	NO	YES
B-101D	YES	YES	NO	YES
B-102D	YES	YES	NO	YES
B-104D	YES	YES	NO	YES
B-106D	YES	YES	NO	YES
B-107D	YES	YES	NO	YES
B-108D	YES	YES	NO	YES
B-111D	YES	YES	NO	YES
B-120D	YES	YES	NO	YES
B-122D	YES	YES	NO	YES
B-125D	YES	YES	NO	YES
B-129S	YES	YES	NO	YES
B-3	YES	YES	NO	YES
B-6	YES	YES	NO	YES
B-7	YES	YES	NO	YES
B-24	YES	YES	NO	YES
B-25	YES	YES	NO	YES
B-26	YES	YES	NO	YES
B-28	YES	YES	NO	YES
B-29	YES	YES	NO	YES
B-50	YES	YES	NO	YES
B-51	YES	YES	NO	YES

Well Inspection

Site Name: Plant McDonough Date: 9/8/2025

Permit Number: NA Field Conditions: Sunny

Well ID:	Location/Identification			
	Visible and accessible	Properly identified with correct well ID	Located in high traffic area; does the well require protection from traffic	Acceptable drainage around well (no standing water, not located in obvious drainage flow path)
B-52	YES	YES	NO	YES
B-54	YES	YES	NO	YES
B-55	YES	YES	NO	YES
B-57	YES	YES	NO	YES
B-58	YES	YES	NO	YES
B-59	YES	YES	NO	YES
B-60	YES	YES	NO	YES
B-61	YES	YES	NO	YES
B-64	YES	YES	NO	YES
B-65	YES	YES	NO	YES
B-68	YES	YES	NO	YES
B-72	YES	YES	NO	YES
B-73	YES	YES	NO	YES
B-76	YES	YES	NO	YES
B-78	YES	YES	NO	YES
B-79	YES	YES	NO	YES
B-80	YES	YES	NO	YES
B-81	YES	YES	NO	YES
B-85	YES	YES	NO	YES
B-86	YES	YES	NO	YES
B-87	NO	YES	NO	YES
B-89	YES	YES	NO	YES
B-90	YES	YES	NO	YES
B-91	YES	YES	NO	YES
B-94	YES	YES	NO	YES
B-95	YES	YES	NO	YES
B-96	YES	YES	NO	YES
B-99	YES	YES	NO	YES
B-103D	YES	YES	NO	YES
B-109D	YES	YES	NO	YES
B-110D	YES	YES	NO	YES
B-113D	YES	YES	NO	YES
B-115D	YES	YES	NO	YES
B-116D	YES	YES	NO	YES
B-117D	YES	YES	NO	YES
B-118	YES	YES	NO	YES
B-119D	YES	YES	NO	YES
B-123D	YES	YES	NO	YES

Well Inspection

Site Name: Plant McDonough Date: 9/8/2025

Permit Number: NA Field Conditions: Sunny

Well ID:	Location/Identification			
	Visible and accessible	Properly identified with correct well ID	Located in high traffic area; does the well require protection from traffic	Acceptable drainage around well (no standing water, not located in obvious drainage flow path)
B-130S	YES	YES	NO	YES
B-131S	YES	YES	NO	YES
B-132S	YES	YES	NO	YES
B-133S	YES	YES	NO	YES
AP-1-B-3	YES	YES	NO	YES
AP-1-B-7	YES	YES	NO	YES
AP-1-B-8	YES	YES	NO	YES
DW-1	YES	YES	NO	YES
DW-2	YES	YES	NO	YES
DW-3	YES	YES	NO	YES
DW-4	YES	YES	NO	YES
WT-2	NO	YES	NO	YES
WT-3	NO	YES	NO	YES
WT-4	YES	YES	NO	YES
WT-5	NO	YES	NO	YES
WT-7	NO	YES	NO	YES
ET-1	YES	YES	NO	YES
INW-02	YES	YES	NO	YES
DR-29A	YES	YES	NO	YES
DR-29B	YES	YES	NO	YES
DR-01	YES	YES	NO	YES
DR-04	YES	YES	NO	YES
INW-01	YES	YES	NO	YES
PT-03	YES	YES	NO	YES
INW-01A	YES	YES	NO	YES
INW-03	YES	YES	NO	YES
INW-04	YES	YES	NO	YES
DR-02	YES	YES	NO	YES
DR-03	YES	YES	NO	YES
PT-04	YES	YES	NO	YES
PT-05	YES	YES	NO	YES

Well Inspection

Site Name: Plant McDonough

Date: 9/8/2025

Permit Number: NA

Field Conditions: Sunny

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	No degradation or deterioration	Functioning weep hole	Annular space clear of debris and water, or filled with pea gravel/sand	Locked and is the lock in good condition
DGWA-53	YES	YES	YES	YES	YES
DGWA-70A	YES	YES	YES	YES	YES
DGWA-71	YES	YES	YES	YES	YES
DGWC-37	YES	YES	YES	YES	YES
DGWC-38	YES	YES	YES	YES	YES
DGWC-39	YES	YES	YES	YES	YES
DGWC-40	YES	YES	YES	YES	YES
DGWC-41	YES	YES	YES	YES	YES
DGWC-67	YES	YES	YES	YES	YES
DGWC-68A	YES	YES	YES	YES	YES
DGWC-69	YES	YES	YES	YES	YES
DGWC-121	YES	YES	YES	YES	YES
DGWC-134	YES	YES	YES	YES	YES
DGWC-135	YES	YES	YES	YES	YES
B-62	YES	YES	YES	YES	YES
B-100	YES	YES	YES	YES	YES
B-105D	YES	YES	YES	YES	YES
B-112D	YES	YES	YES	YES	YES
B-136D	YES	YES	YES	YES	YES
DGWC-2	YES	YES	YES	YES	YES
DGWC-4	YES	YES	YES	YES	YES
DGWC-5	YES	YES	YES	YES	YES
DGWC-8	YES	YES	YES	YES	YES
DGWC-9	YES	YES	YES	YES	YES
DGWC-10	YES	YES	YES	YES	YES
DGWC-11	YES	YES	YES	YES	YES
DGWC-12	YES	YES	YES	YES	YES
DGWC-13	YES	YES	YES	YES	YES
DGWC-14	YES	YES	YES	YES	YES
DGWC-15	YES	YES	YES	YES	YES
DGWC-16	YES	YES	YES	YES	YES
DGWC-17	YES	YES	YES	YES	YES
DGWC-18	YES	YES	YES	YES	YES
DGWC-19	YES	YES	YES	YES	YES
DGWC-20	YES	YES	YES	YES	YES
DGWC-21	YES	YES	YES	YES	YES
DGWC-22	YES	YES	YES	YES	YES
DGWC-23	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant McDonough

Date: 9/8/2025

Permit Number: NA

Field Conditions: Sunny

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	No degradation or deterioration	Functioning weep hole	Annular space clear of debris and water, or filled with pea gravel/sand	Locked and is the lock in good condition
DGWC-42	YES	YES	YES	YES	YES
DGWC-47	YES	YES	YES	YES	YES
DGWC-48	YES	YES	YES	YES	YES
DGWC-126	YES	YES	YES	YES	YES
DGWC-127	YES	YES	YES	YES	YES
DGWC-128	YES	YES	YES	YES	YES
B-56	YES	YES	YES	YES	YES
B-63	YES	YES	YES	YES	YES
B-66	YES	YES	YES	YES	YES
B-77	YES	YES	YES	YES	YES
B-82	YES	YES	YES	YES	YES
B-83	YES	YES	YES	YES	YES
B-88	YES	YES	YES	YES	YES
B-92	YES	YES	YES	YES	YES
B-93	YES	YES	YES	YES	YES
B-97	YES	YES	YES	YES	YES
B-98	YES	YES	YES	YES	YES
B-101D	YES	YES	YES	YES	YES
B-102D	YES	YES	YES	YES	YES
B-104D	YES	YES	YES	YES	YES
B-106D	YES	YES	YES	YES	YES
B-107D	YES	YES	YES	YES	YES
B-108D	YES	YES	YES	YES	YES
B-111D	YES	YES	YES	YES	YES
B-120D	YES	YES	YES	YES	YES
B-122D	YES	YES	YES	YES	YES
B-125D	YES	YES	YES	YES	YES
B-129S	YES	YES	YES	YES	YES
B-3	YES	YES	YES	YES	YES
B-6	YES	YES	YES	YES	YES
B-7	YES	YES	YES	YES	YES
B-24	YES	YES	YES	YES	YES
B-25	YES	YES	YES	YES	YES
B-26	YES	YES	YES	YES	YES
B-28	YES	YES	YES	YES	YES
B-29	YES	YES	YES	YES	YES
B-50	YES	YES	YES	YES	YES
B-51	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant McDonough

Date: 9/8/2025

Permit Number: NA

Field Conditions: Sunny

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	No degradation or deterioration	Functioning weep hole	Annular space clear of debris and water, or filled with pea gravel/sand	Locked and is the lock in good condition
B-52	YES	YES	YES	YES	YES
B-54	YES	YES	YES	YES	YES
B-55	YES	YES	YES	YES	YES
B-57	YES	YES	YES	YES	YES
B-58	YES	YES	YES	YES	YES
B-59	YES	YES	YES	YES	YES
B-60	YES	YES	YES	YES	YES
B-61	YES	YES	YES	YES	YES
B-64	YES	YES	YES	YES	YES
B-65	YES	YES	YES	YES	YES
B-68	YES	YES	YES	YES	YES
B-72	YES	YES	YES	YES	YES
B-73	YES	YES	YES	YES	YES
B-76	YES	YES	YES	YES	YES
B-78	YES	YES	YES	YES	YES
B-79	YES	YES	YES	YES	YES
B-80	YES	YES	YES	YES	YES
B-81	YES	YES	YES	YES	YES
B-85	YES	YES	YES	YES	YES
B-86	YES	YES	YES	YES	YES
B-87	YES	YES	YES	YES	YES
B-89	YES	YES	YES	YES	YES
B-90	YES	YES	YES	YES	YES
B-91	YES	YES	YES	YES	YES
B-94	YES	YES	YES	YES	YES
B-95	YES	YES	YES	YES	YES
B-96	YES	YES	YES	YES	YES
B-99	YES	YES	YES	YES	YES
B-103D	YES	YES	YES	YES	YES
B-109D	YES	YES	YES	YES	YES
B-110D	YES	YES	YES	YES	YES
B-113D	YES	YES	YES	YES	YES
B-115D	YES	YES	YES	YES	YES
B-116D	YES	YES	YES	YES	YES
B-117D	YES	YES	YES	YES	YES
B-118	YES	YES	YES	YES	YES
B-119D	YES	YES	YES	YES	YES
B-123D	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant McDonough

Date: 9/8/2025

Permit Number: NA

Field Conditions: Sunny

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	No degradation or deterioration	Functioning weep hole	Annular space clear of debris and water, or filled with pea gravel/sand	Locked and is the lock in good condition
B-130S	YES	YES	YES	YES	YES
B-131S	YES	YES	YES	YES	YES
B-132S	YES	YES	YES	YES	YES
B-133S	YES	YES	YES	YES	YES
AP-1-B-3	YES	YES	YES	YES	YES
AP-1-B-7	YES	YES	YES	YES	YES
AP-1-B-8	YES	YES	YES	YES	YES
DW-1	YES	YES	YES	YES	YES
DW-2	YES	YES	YES	YES	YES
DW-3	YES	YES	YES	YES	YES
DW-4	YES	YES	YES	YES	YES
WT-2	YES	YES	YES	YES	YES
WT-3	YES	YES	YES	YES	YES
WT-4	YES	YES	YES	YES	YES
WT-5	YES	YES	YES	YES	YES
WT-7	YES	YES	YES	YES	YES
ET-1	YES	YES	YES	YES	YES
INW-02	YES	YES	YES	YES	YES
DR-29A	YES	YES	YES	YES	YES
DR-29B	YES	YES	YES	YES	YES
DR-01	YES	YES	YES	YES	YES
DR-04	YES	YES	YES	YES	YES
INW-01	YES	YES	YES	YES	YES
PT-03	YES	YES	YES	YES	YES
INW-01A	YES	YES	YES	YES	YES
INW-03	YES	YES	YES	YES	YES
INW-04	YES	YES	YES	YES	YES
DR-02	YES	YES	YES	YES	YES
DR-03	YES	YES	YES	YES	YES
PT-04	YES	YES	YES	YES	YES
PT-05	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant McDonough

Date: 9/8/2025

Permit Number: NA

Field Conditions: Sunny

Well ID:	Surface Pad			Internal Casing		
	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
DGWA-53	YES	YES	YES	YES	YES	YES
DGWA-70A	YES	YES	YES	YES	YES	YES
DGWA-71	YES	YES	YES	YES	YES	YES
DGWC-37	YES	YES	YES	YES	YES	YES
DGWC-38	YES	YES	YES	YES	YES	YES
DGWC-39	YES	YES	YES	YES	YES	YES
DGWC-40	YES	YES	YES	YES	YES	YES
DGWC-41	YES	YES	YES	YES	YES	YES
DGWC-67	YES	YES	YES	YES	YES	YES
DGWC-68A	YES	YES	YES	YES	YES	YES
DGWC-69	YES	YES	YES	YES	YES	YES
DGWC-121	YES	YES	YES	YES	YES	YES
DGWC-134	YES	YES	YES	YES	YES	YES
DGWC-135	YES	YES	YES	YES	YES	YES
B-62	YES	YES	YES	YES	YES	YES
B-100	YES	YES	YES	YES	YES	YES
B-105D	YES	YES	YES	YES	YES	YES
B-112D	YES	YES	YES	YES	YES	YES
B-136D	YES	YES	YES	YES	YES	YES
DGWC-2	YES	YES	YES	YES	YES	YES
DGWC-4	YES	YES	YES	YES	YES	YES
DGWC-5	YES	YES	YES	YES	YES	YES
DGWC-8	YES	YES	YES	YES	YES	YES
DGWC-9	YES	YES	YES	YES	YES	YES
DGWC-10	YES	YES	YES	YES	YES	YES
DGWC-11	YES	YES	YES	YES	YES	YES
DGWC-12	YES	YES	YES	YES	YES	YES
DGWC-13	YES	YES	YES	YES	YES	YES
DGWC-14	YES	YES	YES	YES	YES	YES
DGWC-15	YES	YES	YES	YES	YES	YES
DGWC-16	YES	YES	YES	YES	YES	YES
DGWC-17	YES	YES	YES	YES	YES	YES
DGWC-18	YES	YES	YES	YES	YES	YES
DGWC-19	YES	YES	YES	YES	YES	YES
DGWC-20	YES	YES	YES	YES	YES	YES
DGWC-21	YES	YES	YES	YES	YES	YES
DGWC-22	YES	YES	YES	YES	YES	YES
DGWC-23	YES	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant McDonough

Date: 9/8/2025

Permit Number: NA

Field Conditions: Sunny

Well ID:	Surface Pad			Internal Casing		
	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
DGWC-42	YES	YES	YES	YES	YES	YES
DGWC-47	YES	YES	YES	YES	YES	YES
DGWC-48	YES	YES	YES	YES	YES	YES
DGWC-126	YES	YES	YES	YES	YES	YES
DGWC-127	YES	YES	YES	YES	YES	YES
DGWC-128	YES	YES	YES	YES	YES	YES
B-56	YES	YES	YES	YES	YES	YES
B-63	YES	YES	YES	YES	YES	YES
B-66	YES	YES	YES	YES	YES	YES
B-77	YES	YES	YES	YES	YES	YES
B-82	YES	YES	YES	YES	YES	YES
B-83	YES	YES	YES	YES	YES	YES
B-88	YES	YES	YES	YES	YES	YES
B-92	YES	YES	YES	YES	YES	YES
B-93	YES	YES	YES	YES	YES	YES
B-97	YES	YES	YES	YES	YES	YES
B-98	YES	YES	YES	YES	YES	YES
B-101D	YES	YES	YES	YES	YES	YES
B-102D	YES	YES	YES	YES	YES	YES
B-104D	YES	YES	YES	YES	YES	YES
B-106D	YES	YES	YES	YES	YES	YES
B-107D	YES	YES	YES	YES	YES	YES
B-108D	YES	YES	YES	YES	YES	YES
B-111D	YES	YES	YES	YES	YES	YES
B-120D	YES	YES	YES	YES	YES	YES
B-122D	YES	YES	YES	YES	YES	YES
B-125D	YES	YES	YES	YES	YES	YES
B-129S	YES	YES	YES	YES	YES	YES
B-3	YES	YES	YES	YES	YES	YES
B-6	YES	YES	YES	YES	YES	YES
B-7	YES	YES	YES	YES	YES	YES
B-24	YES	YES	YES	YES	YES	YES
B-25	YES	YES	YES	YES	YES	YES
B-26	YES	YES	YES	YES	YES	YES
B-28	YES	YES	YES	YES	YES	YES
B-29	YES	YES	YES	YES	YES	YES
B-50	YES	YES	YES	YES	YES	YES
B-51	YES	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant McDonough

Date: 9/8/2025

Permit Number: NA

Field Conditions: Sunny

Well ID:	Surface Pad			Internal Casing		
	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
B-52	YES	YES	YES	YES	YES	YES
B-54	YES	YES	YES	YES	YES	YES
B-55	YES	YES	YES	YES	YES	YES
B-57	YES	YES	YES	YES	YES	YES
B-58	YES	YES	YES	YES	YES	YES
B-59	YES	YES	YES	YES	YES	YES
B-60	YES	YES	YES	YES	YES	YES
B-61	YES	YES	YES	YES	YES	YES
B-64	YES	YES	YES	YES	YES	YES
B-65	YES	YES	YES	YES	YES	YES
B-68	YES	YES	YES	YES	YES	YES
B-72	YES	YES	YES	YES	YES	YES
B-73	YES	YES	YES	YES	YES	YES
B-76	YES	YES	YES	YES	YES	YES
B-78	YES	YES	YES	YES	YES	YES
B-79	YES	YES	YES	YES	YES	YES
B-80	YES	YES	YES	YES	YES	YES
B-81	YES	YES	YES	YES	YES	YES
B-85	YES	YES	YES	YES	YES	YES
B-86	YES	YES	YES	YES	YES	YES
B-87	YES	YES	YES	YES	YES	YES
B-89	YES	YES	YES	YES	YES	YES
B-90	YES	YES	YES	YES	YES	YES
B-91	NO	YES	NO	YES	YES	YES
B-94	YES	YES	YES	YES	YES	YES
B-95	YES	YES	YES	YES	YES	YES
B-96	YES	YES	YES	YES	YES	YES
B-99	YES	YES	YES	YES	YES	YES
B-103D	YES	YES	YES	YES	YES	YES
B-109D	YES	YES	YES	YES	YES	YES
B-110D	YES	YES	YES	YES	YES	YES
B-113D	YES	YES	YES	YES	YES	YES
B-115D	YES	YES	YES	YES	YES	YES
B-116D	YES	YES	YES	YES	YES	YES
B-117D	YES	YES	YES	YES	YES	YES
B-118	YES	YES	YES	YES	YES	YES
B-119D	YES	YES	YES	YES	YES	YES
B-123D	YES	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant McDonough Date: 9/8/2025

Permit Number: NA Field Conditions: Sunny

Well ID:	Surface Pad			Internal Casing		
	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
B-130S	YES	YES	YES	YES	YES	YES
B-131S	YES	YES	YES	YES	YES	YES
B-132S	YES	YES	YES	YES	YES	YES
B-133S	YES	YES	YES	YES	YES	YES
AP-1-B-3	YES	YES	YES	YES	YES	YES
AP-1-B-7	YES	YES	YES	YES	YES	YES
AP-1-B-8	YES	YES	YES	YES	YES	YES
DW-1	YES	YES	YES	YES	YES	YES
DW-2	YES	YES	YES	YES	YES	YES
DW-3	YES	YES	YES	YES	YES	YES
DW-4	YES	YES	YES	YES	YES	YES
WT-2	YES	YES	YES	YES	YES	YES
WT-3	YES	YES	YES	YES	YES	YES
WT-4	YES	YES	YES	YES	YES	YES
WT-5	YES	YES	YES	YES	YES	YES
WT-7	YES	YES	YES	YES	YES	YES
ET-1	YES	YES	YES	YES	YES	YES
INW-02	YES	YES	YES	YES	YES	YES
DR-29A	YES	YES	YES	YES	YES	YES
DR-29B	YES	YES	YES	YES	YES	YES
DR-01	YES	YES	YES	YES	YES	YES
DR-04	YES	YES	YES	YES	YES	YES
INW-01	YES	YES	YES	YES	YES	YES
PT-03	YES	YES	YES	YES	YES	YES
INW-01A	YES	YES	YES	YES	YES	YES
INW-03	YES	YES	YES	YES	YES	YES
INW-04	YES	YES	YES	YES	YES	YES
DR-02	YES	YES	YES	YES	YES	YES
DR-03	YES	YES	YES	YES	YES	YES
PT-04	YES	YES	YES	YES	YES	YES
PT-05	YES	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant McDonough Date: 9/8/2025

Permit Number: NA Field Conditions: Sunny

Well ID:	Corrective actions as needed, by date:
DGWA-53	
DGWA-70A	
DGWA-71	
DGWC-37	
DGWC-38	
DGWC-39	
DGWC-40	
DGWC-41	
DGWC-67	
DGWC-68A	
DGWC-69	
DGWC-121	
DGWC-134	
DGWC-135	
B-62	
B-100	
B-105D	
B-112D	
B-136D	
DGWC-2	
DGWC-4	
DGWC-5	
DGWC-8	
DGWC-9	
DGWC-10	
DGWC-11	
DGWC-12	
DGWC-13	
DGWC-14	
DGWC-15	
DGWC-16	
DGWC-17	
DGWC-18	
DGWC-19	
DGWC-20	
DGWC-21	
DGWC-22	
DGWC-23	

Well Inspection

Site Name: Plant McDonough Date: 9/8/2025

Permit Number: NA Field Conditions: Sunny

Well ID:	Corrective actions as needed, by date:
DGWC-42	
DGWC-47	
DGWC-48	
DGWC-126	
DGWC-127	
DGWC-128	
B-56	
B-63	
B-66	
B-77	
B-82	
B-83	
B-88	
B-92	
B-93	
B-97	
B-98	
B-101D	
B-102D	
B-104D	
B-106D	
B-107D	
B-108D	
B-111D	
B-120D	
B-122D	
B-125D	
B-129S	
B-3	
B-6	
B-7	
B-24	
B-25	
B-26	
B-28	
B-29	
B-50	
B-51	

Well Inspection

Site Name: Plant McDonough Date: 9/8/2025

Permit Number: NA Field Conditions: Sunny

Well ID:	Corrective actions as needed, by date:
B-52	
B-54	
B-55	
B-57	
B-58	
B-59	
B-60	
B-61	
B-64	
B-65	
B-68	
B-72	
B-73	
B-76	
B-78	
B-79	
B-80	
B-81	
B-85	
B-86	
B-87	Clear overgrowth, tree down in front of well
B-89	
B-90	
B-91	Erosion of concrete pad needs stabilization
B-94	
B-95	
B-96	
B-99	
B-103D	
B-109D	
B-110D	
B-113D	
B-115D	
B-116D	
B-117D	
B-118	
B-119D	
B-123D	

Well Inspection

Site Name: Plant McDonough Date: 9/8/2025

Permit Number: NA Field Conditions: Sunny

Well ID:	Corrective actions as needed, by date:
B-130S	
B-131S	
B-132S	
B-133S	
AP-1-B-3	
AP-1-B-7	
AP-1-B-8	
DW-1	
DW-2	
DW-3	
DW-4	
WT-2	Overgrown/ No access
WT-3	Overgrown/ No access
WT-4	
WT-5	Overgrown/ No access
WT-7	Stream gauge- need path cleared, unsafe access
ET-1	
INW-02	
DR-29A	
DR-29B	
DR-01	
DR-04	
INW-01	
PT-03	
INW-01A	
INW-03	
INW-04	
DR-02	
DR-03	
PT-04	
PT-05	

TECHNICAL MEMORANDUM

DATE February 27, 2026

TO Joju Abraham, PG
Southern Company Services

CC Ben Hodges, Georgia Power Company

FROM WSP USA Inc

PLANT MCDONOUGH ASH POND 1, ASH POND 2, AND ASH POND 3/4
WELL MAINTENANCE AND REPAIR DOCUMENTATION
GEORGIA POWER COMPANY

WSP USA Inc. (WSP) has prepared this memorandum to provide documentation of groundwater monitoring well maintenance and/or repair performed at Plant McDonough Ash Pond 1, Ash Pond 2, and Ash Pond 3/4 in November 2025. Repairs and maintenance were completed in accordance with 12-5-134 (5)(D)vii of the Georgia Well Standards Act (1985) for routine visual inspections of groundwater monitoring wells (i.e., at least once every five years) under the direction of a Georgia licensed professional engineer or geologist.

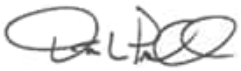
Table 1: Plant McDonough Ash Pond 1, 2, 3/4 – Well Maintenance Summary

Well ID	Date Performed	Maintenance/Repair Performed
B-91	November 2025	Fill dirt packed around backside of pad and gravel placed to prevent erosion.
B-87	November 2025	Tree and vegetation cleared.
WT-2	November 2025	Vegetation cleared.
WT-3	November 2025	Vegetation cleared.
WT-5	November 2025	Vegetation cleared.
WT-7	November 2025	Stream gauge not found.

WSP USA Inc



Rhonda N. Quinn, PG
Senior Consultant, Geologist



Dawn L. Prell, CPG
Vice President, Hydrogeologist

Attachments: Southern Company CFS
Plant McDonough November 2025 Well O&M
(November 20th)

Southern Company CFS
Plant McDonough November 2025 Well O&M (Nov. 20th)

B-91 – Fill dirt packed around backside of pad and gravel place to prevent erosion.






Southern Company

Southern Company CFS
Plant McDonough November 2025 Well O&M (Nov. 20th)



B-87 – Tree and vegetation cleared.



Southern Company

Southern Company CFS
Plant McDonough November 2025 Well O&M (Nov. 20th)

WT-2 – Vegetation cleared.





WT-3 – Vegetation cleared.





Southern Company

Southern Company CFS
Plant McDonough November 2025 Well O&M (Nov. 20th)

WT-5 – Vegetation cleared.





WT-7 – Stream gauge not found.



Southern Company

APPENDIX D

Annual Water Well Survey

Plant Mcdonough
5551 South Cobb Dr SE
Atlanta, GA 30339

Inquiry Number: 8080015.2s
August 17, 2025

The EDR GeoCheck® Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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GEOCHECK® - PHYSICAL SETTING SOURCE REPORT

TARGET PROPERTY ADDRESS

PLANT MCDONOUGH
5551 SOUTH COBB DR SE
ATLANTA, GA 30339

TARGET PROPERTY COORDINATES

Latitude (North):	33.818566 - 33° 49' 6.84''
Longitude (West):	84.481499 - 84° 28' 53.40''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	733105.4
UTM Y (Meters):	3744697.8
Elevation:	791 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33084-G4 NORTHWEST ATLANTA, GA
Version Date:	1997

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

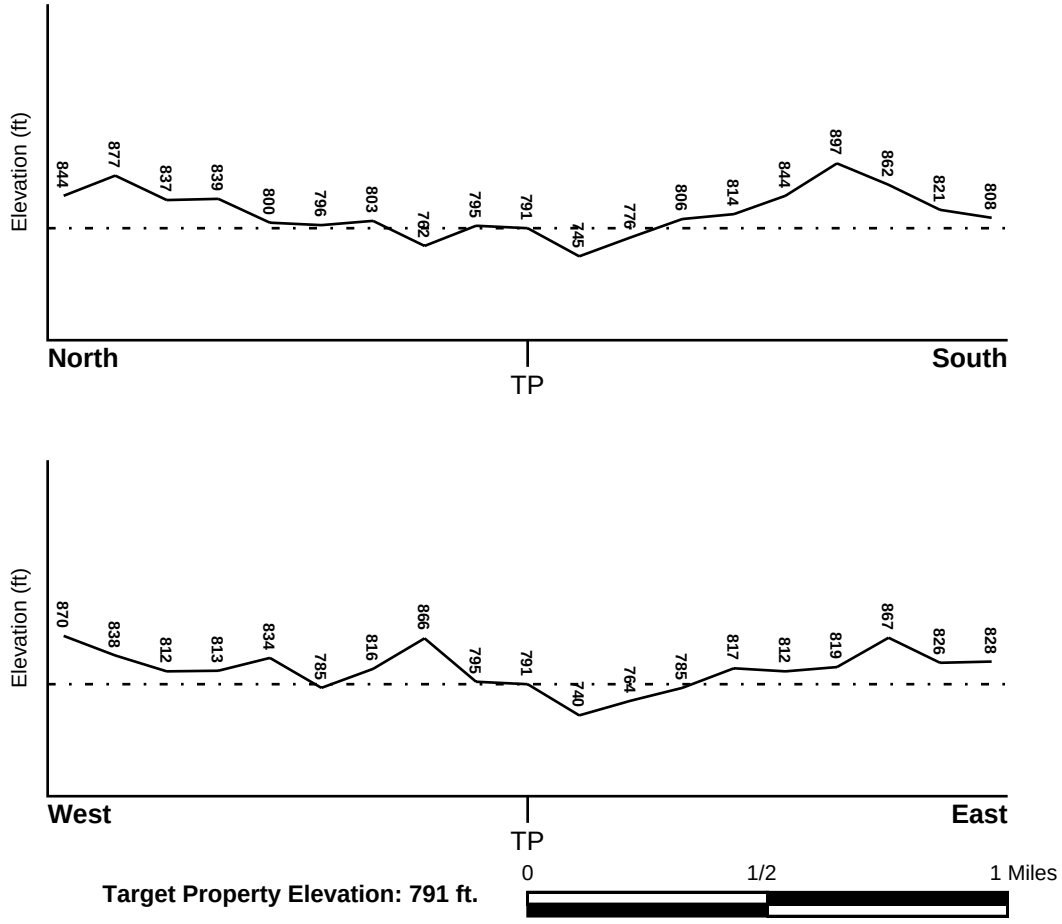
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ESE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 791 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
13067C0228H	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
13067C0229H	FEMA FIRM Flood data
13121C0229F	FEMA FIRM Flood data
13067C0236H	FEMA FIRM Flood data
13121C0237F	FEMA FIRM Flood data
13121C0236F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NORTHWEST ATLANTA	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	1/8 - 1/4 Mile SE	SSW
2	1/2 - 1 Mile SSE	SW
3	1/2 - 1 Mile South	SW

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

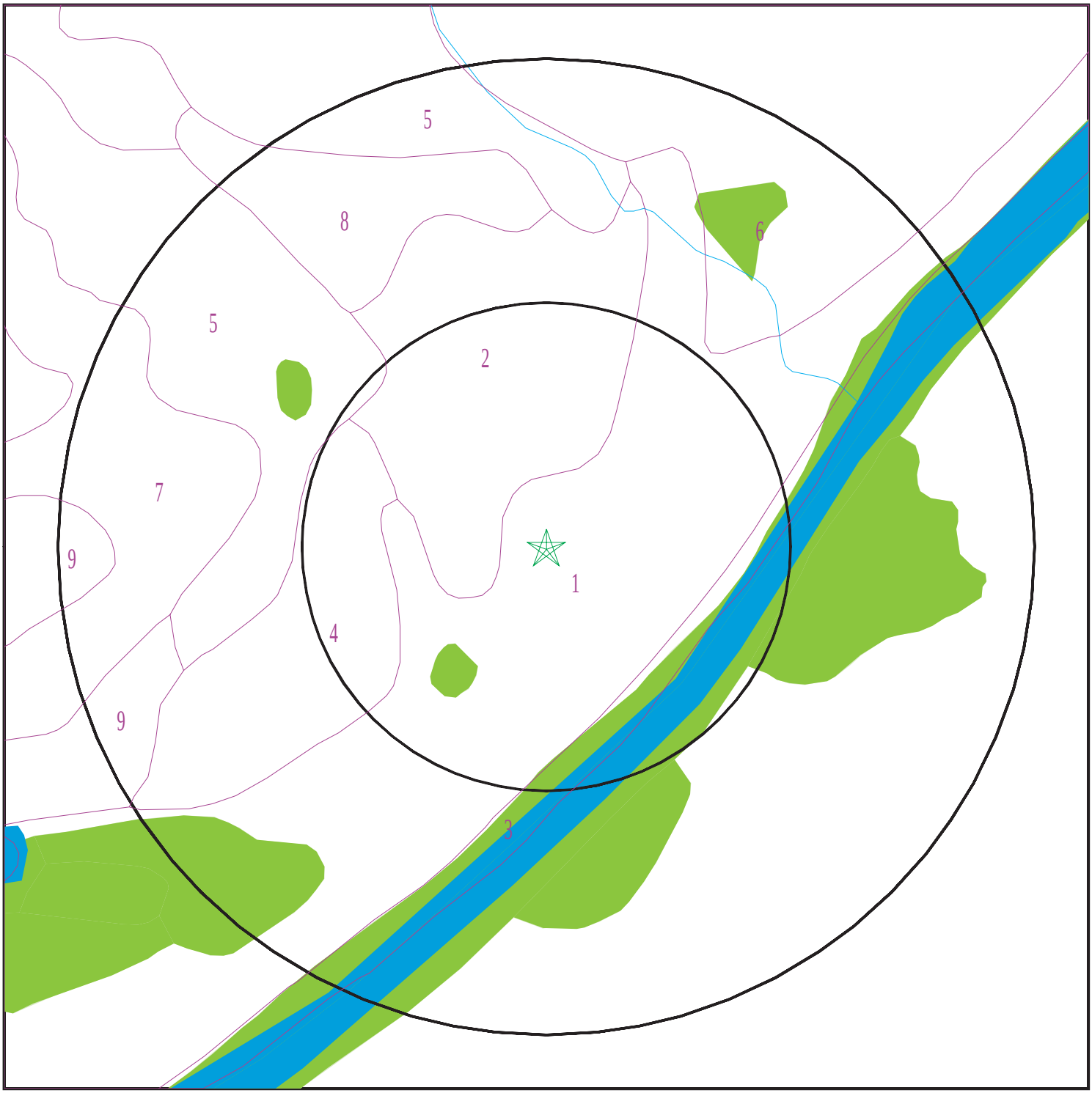
Era:	Paleozoic
System:	Pennsylvanian
Series:	Catacalastic rocks
Code:	cat *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Metamorphic Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 8080015.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Plant Mcdonough	CLIENT:	WSP USA Environment & Infrastructure Inc.
ADDRESS:	5551 South Cobb Dr SE Atlanta GA 30339	CONTACT:	Colin Wilson
		INQUIRY #:	8080015.2s
LAT/LONG:	33.818566 / 84.481499	DATE:	August 17, 2025 6:11 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Toccoa

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 114 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 5.1
2	9 inches	59 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 5.1

Soil Map ID: 2

Soil Component Name: Madison

Soil Surface Texture: sandy clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	29 inches	35 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
2	0 inches	5 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
3	5 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
4	35 inches	66 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 3

Soil Component Name: Water

Soil Surface Texture: sandy clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 4

Soil Component Name: Madison

Soil Surface Texture: sandy clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
2	5 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
3	29 inches	35 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
4	35 inches	66 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 5

Soil Component Name: Madison

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
2	5 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	29 inches	35 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
4	35 inches	66 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 6

Soil Component Name: Urban land

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 200 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 7

Soil Component Name: Madison

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
2	5 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
3	29 inches	35 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
4	35 inches	66 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 8

Soil Component Name: Madison

Soil Surface Texture: sandy clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	29 inches	35 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
2	0 inches	5 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
3	5 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
4	35 inches	66 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 9

Soil Component Name: Madison

Soil Surface Texture: sandy clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	29 inches	35 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
2	0 inches	5 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
3	5 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
4	35 inches	66 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	2.000
Federal FRDS PWS	2.000
State Database	2.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A4	USGS40000265087	1 - 2 Miles ENE
B7	USGS40000265094	1 - 2 Miles ENE
B9	USGS40000265091	1 - 2 Miles ENE
C10	USGS40000265121	1 - 2 Miles NNE
E22	USGS40000265168	1 - 2 Miles NNW
F23	USGS40000265030	1 - 2 Miles WSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

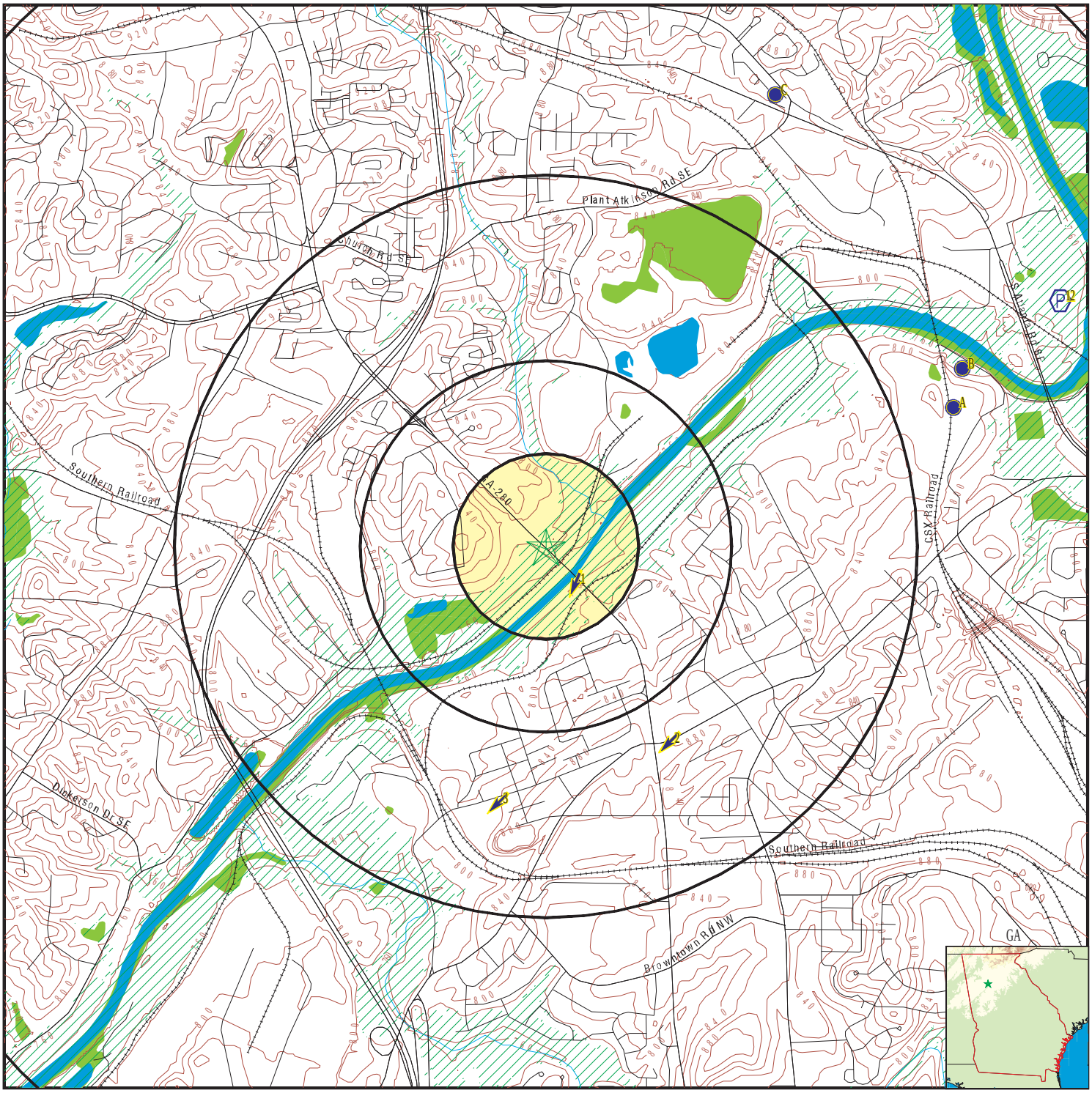
MAP ID	WELL ID	LOCATION FROM TP
12	GA1210001	1 - 2 Miles ENE
D13	GA1210038	1 - 2 Miles North
D14	GA1210000	1 - 2 Miles North
D15	GA1210006	1 - 2 Miles North
D16	GA1210037	1 - 2 Miles North
D17	GA1210002	1 - 2 Miles North
D18	GA1210039	1 - 2 Miles North
D19	GA1210007	1 - 2 Miles North
D20	GA1210005	1 - 2 Miles North

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A5	0000004656	1 - 2 Miles ENE
B6	0000004659	1 - 2 Miles ENE
B8	0000004658	1 - 2 Miles ENE
C11	0000002231	1 - 2 Miles NNE
E21	0000002233	1 - 2 Miles NNW
F24	0000002229	1 - 2 Miles WSW
25	0000004654	1 - 2 Miles ESE

PHYSICAL SETTING SOURCE MAP - 8080015.2s



County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
100-year flood zone
500-year flood zone
National Wetland Inventory
Wildlife Areas

N

SITE NAME:	Plant Mcdonough	CLIENT:	WSP USA Environment & Infrastructure Inc.
ADDRESS:	5551 South Cobb Dr SE Atlanta GA 30339	CONTACT:	Colin Wilson
LAT/LONG:	33.818566 / 84.481499	INQUIRY #:	8080015.2s
		DATE:	August 17, 2025 6:11 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Database	EDR ID Number
1 **SE** **1/8 - 1/4 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	0-601138 SSW 18.82 19.04 Not Reported 07/1991	**AQUIFLOW**	**18783**
2 **SSE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	0-600936 SW 19 30 Not Reported 06/1995	**AQUIFLOW**	**18791**
3 **South** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9000676 SW 3.71 23.84 Not Reported 7/1994	**AQUIFLOW**	**23156**

A4
ENE
1 - 2 Miles
Higher

FED USGS **USGS40000265087**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	10EE27	Type:	Well
Description:	SONOCO PRODUCTS	HUC:	03130002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19660401
Well Depth:	500	Well Depth Units:	ft
Well Hole Depth:	500	Well Hole Depth Units:	ft

A5
ENE
1 - 2 Miles
Higher

GA WELLS **0000004656**

County code:	121	Well num:	10EE27
Remarks:	SONOCO PRODUCTS	Lat:	334926
Lon:	0842745	Latlon datum:	NAD27
Alt:	900.00	Alt datum:	NGVD29
Depth:	500	Depth to casing:	23.00
Casing dia:	Not Reported	Casing matl:	S
Depth to top:	23.00	Depth to bot:	500.00
Opening type:	X	Constr date:	196604
Discharge:	32.00	Prim use:	C
Aquifer code:	Not Reported	Edr id:	0000004656

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B6
ENE
1 - 2 Miles
Lower

GA WELLS **0000004659**

County code:	121	Well num:	10EE26
Remarks:	SONOCO PRODUCTS	Lat:	334933
Lon:	0842745	Latlon datum:	NAD27
Alt:	900.00	Alt datum:	NGVD29
Depth:	500	Depth to casing:	23.00
Casing dia:	8.00	Casing matl:	S
Depth to top:	23.00	Depth to bot:	500.00
Opening type:	X	Constr date:	196603
Discharge:	30.00	Prim use:	C
Aquifer code:	Not Reported	Edr id:	0000004659

B7
ENE
1 - 2 Miles
Lower

FED USGS **USGS40000265094**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	10EE26	Type:	Well
Description:	SONOCO PRODUCTS	HUC:	03130002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19660301
Well Depth:	500	Well Depth Units:	ft
Well Hole Depth:	500	Well Hole Depth Units:	ft

B8
ENE
1 - 2 Miles
Higher

GA WELLS **0000004658**

County code:	121	Well num:	10EE25
Remarks:	SONOCO PRODUCTS	Lat:	334930
Lon:	0842742	Latlon datum:	NAD27
Alt:	900.00	Alt datum:	NGVD29
Depth:	400	Depth to casing:	33.00
Casing dia:	10.00	Casing matl:	S
Depth to top:	33.00	Depth to bot:	400.00
Opening type:	X	Constr date:	195801
Discharge:	144.00	Prim use:	C
Aquifer code:	Not Reported	Edr id:	0000004658

B9
ENE
1 - 2 Miles
Higher

FED USGS **USGS40000265091**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	10EE25	Type:	Well
Description:	SONOCO PRODUCTS	HUC:	03130002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19580101
Well Depth:	400	Well Depth Units:	ft
Well Hole Depth:	400	Well Hole Depth Units:	ft

C10
NNE
1 - 2 Miles
Higher

FED USGS **USGS40000265121**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	10EE02	Type:	Well
Description:	W.C. HALL	HUC:	03130002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Crystalline Rocks	Aquifer Type:	Confined multiple aquifer
Construction Date:	1932	Well Depth:	79
Well Depth Units:	ft	Well Hole Depth:	79
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	49	Level reading date:	1992-06-16
Feet below surface:	29.34	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1991-10-31	Feet below surface:	29.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-23	Feet below surface:	30.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-10-29	Feet below surface:	31.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-05-30	Feet below surface:	29.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-10-27	Feet below surface:	32.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-28	Feet below surface:	34.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-29	Feet below surface:	33.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-26	Feet below surface:	32.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-11-26	Feet below surface:	32.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-07-28	Feet below surface:	32.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-31	Feet below surface:	34.34
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1984-05-31	Feet below surface:	26.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-01	Feet below surface:	30.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-05-31	Feet below surface:	29.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-26	Feet below surface:	32.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-25	Feet below surface:	31.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-22	Feet below surface:	32.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-21	Feet below surface:	31.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-13	Feet below surface:	30.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-29	Feet below surface:	27.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-25	Feet below surface:	30.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-23	Feet below surface:	31.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-07	Feet below surface:	32.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-18	Feet below surface:	31.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-25	Feet below surface:	29.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-21	Feet below surface:	30.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-31	Feet below surface:	30.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-01	Feet below surface:	30.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-30	Feet below surface:	31.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-28	Feet below surface:	31.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-01	Feet below surface:	31.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-27	Feet below surface:	31.33
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1977-09-30	Feet below surface:	31.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-25	Feet below surface:	30.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07-27	Feet below surface:	30.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-28	Feet below surface:	29.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-05-26	Feet below surface:	29.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-05-02	Feet below surface:	29.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-28	Feet below surface:	30.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-23	Feet below surface:	30.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-26	Feet below surface:	30.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-21	Feet below surface:	32.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-14	Feet below surface:	29.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-03	Feet below surface:	26.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-11-14	Feet below surface:	28.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-18	Feet below surface:	29.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-05-15	Feet below surface:	26.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-03-24	Feet below surface:	34
Feet to sea level:	Not Reported	Note:	Not Reported

C11
NNE
1 - 2 Miles
Higher

GA WELLS **0000002231**

County code:	067	Well num:	10EE02
Remarks:	W.C. HALL	Lat:	335010
Lon:	0842815	Latlon datum:	NAD27
Alt:	858.00	Alt datum:	NGVD29
Depth:	79	Depth to casing:	40
Casing dia:	6	Casing matl:	Not Reported
Depth to top:	40	Depth to bot:	85
Opening type:	X	Constr date:	1932

Discharge:	Not Reported	Prim use:	U
Aquifer code:	320CRSL	Edr id:	0000002231

12
ENE
1 - 2 Miles
Lower

FRDS PWS GA1210001

Epa region:	04	State:	GA
Pwsid:	GA1210001	Pwsname:	ATLANTA
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13089
Status:	Active	Retpopsrvd:	650000
Pwssvcconn:	240780	Psource longname:	Surface_water
Pwstype:	CWS	Owner:	Local_Govt
Contact:	PARKER, RICHARD	Contactorgname:	PARKER, RICHARD
Contactphone:	404-235-2058	Contactaddress1:	651 14TH STREET, NW
Contactaddress2:	Not Reported	Contactcity:	ATLANTA
Contactstate:	GA	Contactzip:	30318
Pwsactivitycode:	A		

Pwsid:	GA1210001	Facid:	1027
Facname:	HEMPHILL PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, pre	Factypecode:	TP

Pwsid:	GA1210001	Facid:	1027
Facname:	HEMPHILL PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	particulate removal
Trtprocess:	rapid mix	Factypecode:	TP

Pwsid:	GA1210001	Facid:	1027
Facname:	HEMPHILL PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	particulate removal
Trtprocess:	ph adjustment, pre	Factypecode:	TP

Pwsid:	GA1210001	Facid:	1027
Facname:	HEMPHILL PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	particulate removal
Trtprocess:	coagulation	Factypecode:	TP

Pwsid:	GA1210001	Facid:	1027
Facname:	HEMPHILL PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	particulate removal
Trtprocess:	flocculation	Factypecode:	TP

Pwsid:	GA1210001	Facid:	1027
Facname:	HEMPHILL PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	particulate removal
Trtprocess:	sedimentation	Factypecode:	TP

Pwsid:	GA1210001	Facid:	1027
Facname:	HEMPHILL PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	particulate removal
Trtprocess:	filtration, rapid sand	Factypecode:	TP

Pwsid:	GA1210001	Facid:	1027
Facname:	HEMPHILL PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	corrosion control
Trtprocess:	ph adjustment, post	Factypecode:	TP

Pwsid:	GA1210001	Facid:	1027
Facname:	HEMPHILL PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	GA1210001	Facid:	2816
Facname:	CHATTAHOOCHEE PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, pre	Factypecode:	TP

Pwsid:	GA1210001	Facid:	2816
Facname:	CHATTAHOOCHEE PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	particulate removal
Trtprocess:	rapid mix	Factypecode:	TP

Pwsid:	GA1210001	Facid:	2816
Facname:	CHATTAHOOCHEE PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	particulate removal
Trtprocess:	ph adjustment, pre	Factypecode:	TP

Pwsid:	GA1210001	Facid:	2816
Facname:	CHATTAHOOCHEE PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	particulate removal
Trtprocess:	coagulation	Factypecode:	TP

Pwsid:	GA1210001	Facid:	2816
Facname:	CHATTAHOOCHEE PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	particulate removal
Trtprocess:	flocculation	Factypecode:	TP

Pwsid:	GA1210001	Facid:	2816
Facname:	CHATTAHOOCHEE PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	particulate removal
Trtprocess:	sedimentation	Factypecode:	TP

Pwsid:	GA1210001	Facid:	2816
Facname:	CHATTAHOOCHEE PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	particulate removal
Trtprocess:	filtration, rapid sand	Factypecode:	TP

Pwsid:	GA1210001	Facid:	2816
Facname:	CHATTAHOOCHEE PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	corrosion control
Trtprocess:	ph adjustment, post	Factypecode:	TP

Pwsid:	GA1210001	Facid:	2816
Facname:	CHATTAHOOCHEE PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

PWS ID:	GA1210001	PWS name:	ATLANTA
Address:	2528 CHATTAHOOCHEE CIR., NW		
Care of:	ATLANTA WATER DEPARTMENT	City:	ATLANTA
State:	GA	Zip:	30318
Owner:	ATLANTA	Source code:	Surface water
Population:	649836		

PWS ID:	GA1210001	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported

PWS zip:	Not Reported	PWS name:	ATLANTA
PWS type code:	C	Retail population served:	650000
Contact:	HEBBERD, CHRISTOPHER	Contact address:	651 14TH STREET
Contact address:	ATLANTA	Contact city:	GA
Contact state:	30	Contact zip:	404-602-44
Contact telephone:	Not Reported		
County:	FULTON	Source:	Surface water
Treatment Objective:	CORROSION CONTROL	Process:	PH ADJUSTMENT, POST
Population:	650000		
County:	FULTON	Source:	Surface water
Treatment Objective:	DISINFECTION	Process:	GASEOUS CHLORINATION, POST
Population:	650000		
County:	FULTON	Source:	Surface water
Treatment Objective:	DISINFECTION	Process:	GASEOUS CHLORINATION, PRE
Population:	650000		
County:	FULTON	Source:	Surface water
Treatment Objective:	PARTICULATE REMOVAL	Process:	COAGULATION
Population:	650000		
County:	FULTON	Source:	Surface water
Treatment Objective:	PARTICULATE REMOVAL	Process:	FILTRATION, RAPID SAND
Population:	650000		
County:	FULTON	Source:	Surface water
Treatment Objective:	PARTICULATE REMOVAL	Process:	FLOCCULATION
Population:	650000		
County:	FULTON	Source:	Surface water
Treatment Objective:	PARTICULATE REMOVAL	Process:	RAPID MIX
Population:	650000		
County:	FULTON	Source:	Surface water
Treatment Objective:	PARTICULATE REMOVAL	Process:	SEDIMENTATION
Population:	650000		
County:	FULTON	Source:	Surface water
Treatment Objective:	PARTICULATE REMOVAL	Process:	PH ADJUSTMENT, PRE
Population:	650000		
PWS ID:	GA1210001	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00649836	System name:	ATLANTA
System address:	ATLANTA WATER BUREAU	System address:	2541 CHATTAHOOCHEE CIRCLE, NW
System city:	ATLANTA	System state:	GA
System zip:	30318		
Population served:	over 100,000 Persons	Treatment:	Treated
Latitude:	334941	Longitude:	0842727
State:	GA	Latitude degrees:	33
Latitude minutes:	49	Latitude seconds:	41.0000
Longitude degrees:	84	Longitude minutes:	27
Longitude seconds:	27.0000		
Violation id:	10097	Orig code:	S
State:	GA	Violation Year:	1997
Contamination code:	5000	Contamination Name:	Lead and Copper Rule

Violation code:	52	Violation name:	Follow-up Or Routine LCR Tap M/R
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/1997
Cmp edt:	Not Reported		

Violation id:	10502	Orig code:	S
State:	GA	Violation Year:	2002
Contamination code:	0300	Contamination Name:	IESWTR
Violation code:	38		
Violation name:	Monitoring, Turbidity (Enhanced SWTR)		
Rule code:	122	Rule name:	LT1 ESWTR
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	01/01/2002
Cmp edt:	01/31/2002		

Violation id:	11303	Orig code:	S
State:	GA	Violation Year:	2000
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	52	Violation name:	Follow-up Or Routine LCR Tap M/R
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2000
Cmp edt:	Not Reported		

Violation id:	11406	Orig code:	S
State:	GA	Violation Year:	2005
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2005
Cmp edt:	Not Reported		

Violation id:	11607	Orig code:	S
State:	GA	Violation Year:	2006
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2006
Cmp edt:	Not Reported		

Violation id:	11909	Orig code:	S
State:	GA	Violation Year:	2008
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2008
Cmp edt:	Not Reported		

Violation id:	12511	Orig code:	S
State:	GA	Violation Year:	2010
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2010
Cmp edt:	Not Reported		

Violation id:	12616	Orig code:	S

State:	GA	Violation Year:	2013
Contamination code:	2950	Contamination Name:	TTHM
Violation code:	02	Violation name:	MCL, Average
Rule code:	220	Rule name:	St2 DBP
Violation measur:	0.081	Unit of measure:	MG/L
State mcl:	0.08	Cmp bdt:	04/01/2013
Cmp edt:	06/30/2013		

Violation id:	12617	Orig code:	S
State:	GA	Violation Year:	2014
Contamination code:	2950	Contamination Name:	TTHM
Violation code:	02	Violation name:	MCL, Average
Rule code:	220	Rule name:	St2 DBP
Violation measur:	0.082	Unit of measure:	MG/L
State mcl:	0.08	Cmp bdt:	01/01/2014
Cmp edt:	03/31/2014		

Violation ID:	10502	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	02/28/2002
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal

Violation ID:	10502	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	07/09/2002
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal

Violation ID:	10502	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	02/28/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

Violation ID:	10502	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	05/06/2003
Enforcement Detail:	St BCA signed	Enforcement Category:	Formal

Violation ID:	10502	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	07/09/2002
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	11303	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	09/03/2001
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	11406	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	07/24/2006
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving

Violation ID:	11406	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	07/24/2006
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	11406	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	08/15/2006
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		

Violation ID:	11607	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	07/12/2007
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving

Violation ID:	11607	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	07/09/2007
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	11909	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	07/07/2009
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	12511	Orig Code:	S
Enforcemnt FY:	2012	Enforcement Action:	10/05/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	12616	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	05/23/2013
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	12616	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	05/23/2013
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
PWS name:	ATLANTA	Population served:	650000
PWS type code:	C	Violation ID:	10502
Contaminant:	0300	Violation type:	38
Compliance start date:	1/1/2002 0:00:00	Compliance end date:	1/31/2002 0:00:00
Enforcement date:	2/28/2002 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	0		
PWS name:	ATLANTA	Population served:	650000
PWS type code:	C	Violation ID:	10502
Contaminant:	0300	Violation type:	38
Compliance start date:	1/1/2002 0:00:00	Compliance end date:	1/31/2002 0:00:00
Enforcement date:	2/28/2002 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	0		
PWS name:	ATLANTA	Population served:	650000
PWS type code:	C	Violation ID:	10502
Contaminant:	0300	Violation type:	38
Compliance start date:	1/1/2002 0:00:00	Compliance end date:	1/31/2002 0:00:00
Enforcement date:	5/6/2003 0:00:00	Enforcement action:	State BCA Signed
Violation measurement:	0		
PWS name:	ATLANTA	Population served:	650000
PWS type code:	C	Violation ID:	10502
Contaminant:	0300	Violation type:	38
Compliance start date:	1/1/2002 0:00:00	Compliance end date:	1/31/2002 0:00:00
Enforcement date:	7/9/2002 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	0		
PWS name:	ATLANTA	Population served:	650000
PWS type code:	C	Violation ID:	10502
Contaminant:	0300	Violation type:	38
Compliance start date:	1/1/2002 0:00:00	Compliance end date:	1/31/2002 0:00:00
Enforcement date:	7/9/2002 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	0		
PWS name:	ATLANTA	Population served:	650000
PWS type code:	C	Violation ID:	11303
Contaminant:	Lead & Copper Rule	Violation type:	Follow-up and Routine Tap Sampling
Compliance start date:	10/1/2000 0:00:00	Compliance end date:	9/3/2001 0:00:00
Enforcement date:	9/3/2001 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		
PWS name:	ATLANTA	Population served:	650000
PWS type code:	C	Violation ID:	11406
Contaminant:	7000	Violation type:	71

Compliance start date:	7/1/2006 0:00:00	Compliance end date:	7/24/2006 0:00:00
Enforcement date:	7/24/2006 0:00:00	Enforcement action:	State Intentional no-action
Violation measurement:	Not Reported		

PWS name:	ATLANTA	Population served:	650000
PWS type code:	C	Violation ID:	11406
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2006 0:00:00	Compliance end date:	7/24/2006 0:00:00
Enforcement date:	7/24/2006 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	ATLANTA	Population served:	650000
PWS type code:	C	Violation ID:	11406
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2006 0:00:00	Compliance end date:	7/24/2006 0:00:00
Enforcement date:	8/15/2006 0:00:00	Enforcement action:	SII
Violation measurement:	Not Reported		

PWS name:	ATLANTA	Population served:	650000
PWS type code:	C	Violation ID:	11607
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2007 0:00:00	Compliance end date:	7/9/2007 0:00:00
Enforcement date:	7/12/2007 0:00:00	Enforcement action:	State Intentional no-action
Violation measurement:	Not Reported		

PWS name:	ATLANTA	Population served:	650000
PWS type code:	C	Violation ID:	11607
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2007 0:00:00	Compliance end date:	7/9/2007 0:00:00
Enforcement date:	7/9/2007 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

D13
North
1 - 2 Miles
Higher

FRDS PWS GA1210038

Epa region:	04	State:	GA
Pwsid:	GA1210038		
Pwsname:	ATLANTA-FULTON CO WATER RES COMMISSION		
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13121
Status:	Active	Retpopsrvd:	0
Pwssvcconn:	2	Psource longname:	Surface_water
Pwstype:	CWS	Owner:	Local_Govt
Contact:	CREWS, KATHY	Contactorgname:	CREWS, KATHY
Contactphone:	678-942-2791	Contactaddress1:	9750 SPRUILL RD.
Contactaddress2:	Not Reported	Contactcity:	ALPHARETTA
Contactstate:	GA	Contactzip:	30022
Pwsactivitycode:	A		

Pwsid:	GA1210038	Facid:	1034
Facname:	ATLANTA-FULTON CO WATER PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		

Pwsid:	GA1210038	Facid:	1034
Facname:	ATLANTA-FULTON CO WATER PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	corrosion control	Trtprocess:	ph adjustment, post

Factypecode:	TP		
Pwsid:	GA1210038	Facid:	1034
Facname:	ATLANTA-FULTON CO WATER PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	particulate removal	Trtprocess:	filtration, rapid sand
Factypecode:	TP		
Pwsid:	GA1210038	Facid:	1034
Facname:	ATLANTA-FULTON CO WATER PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, pre
Factypecode:	TP		
Pwsid:	GA1210038	Facid:	1034
Facname:	ATLANTA-FULTON CO WATER PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	particulate removal	Trtprocess:	ph adjustment, pre
Factypecode:	TP		
Pwsid:	GA1210038	Facid:	1034
Facname:	ATLANTA-FULTON CO WATER PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	particulate removal	Trtprocess:	rapid mix
Factypecode:	TP		
Pwsid:	GA1210038	Facid:	1034
Facname:	ATLANTA-FULTON CO WATER PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	particulate removal	Trtprocess:	coagulation
Factypecode:	TP		
Pwsid:	GA1210038	Facid:	1034
Facname:	ATLANTA-FULTON CO WATER PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	particulate removal	Trtprocess:	flocculation
Factypecode:	TP		
Pwsid:	GA1210038	Facid:	1034
Facname:	ATLANTA-FULTON CO WATER PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	particulate removal	Trtprocess:	sedimentation
Factypecode:	TP		
PWS ID:	GA1210038	PWS name:	ATLANTA-FULTON WATER RES COMM
Address:	9750 SPRUILL ROAD	Care of:	FULTON CO. WATER RESOURCES CM
City:	ALPHARETTA	State:	GA
Zip:	30022	Owner:	ATLANTA-FULTON WATER RES COMM
Source code:	Surface water	Population:	25
PWS ID:	GA1210038	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	County:	FULTON
Source:	Surface water	Treatment Objective:	DISINFECTION
Process:	GASEOUS CHLORINATION, POST		
Population:	0		
PWS ID:	GA1210038	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00000025	System name:	ATLANTA-FULTON WATER RES COMM
System address:	ATLANTA-FULTON WATER RES COMM		

System address:	9750 SPRUILL ROAD	System city:	ALPHARETTA
System state:	GA	System zip:	30201
Population served:	Under 101 Persons	Treatment:	Treated
Latitude:	340431	Longitude:	0841739
Latitude:	335031	Longitude:	0842844
State:	GA	Latitude degrees:	33
Latitude minutes:	50	Latitude seconds:	31.0000
Longitude degrees:	84	Longitude minutes:	28
Longitude seconds:	44.0000		

D14
North
1 - 2 Miles
Higher

FRDS PWS GA1210000

Epa region:	04	State:	GA
Pwsid:	GA1210000	Pwsname:	ALPHARETTA
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13121
Status:	Closed	Retpopsrvd:	11700
Pwssvcconn:	3392	Psource longname:	Purch_surface_water
Pwstype:	CWS	Owner:	Local_Govt
Contact:	CHATHAM, EARL	Contactorgname:	Not Reported
Contactphone:	678-297-6200	Contactaddress1:	1790 HEMBREE ROAD
Contactaddress2:	Not Reported	Contactcity:	ALPHARETTA
Contactstate:	GA	Contactzip:	30004
Pwsactivitycode:	I		
PWS ID:	GA1210000	PWS name:	ALPHARETTA
Address:	1790 HEMBREE ROAD	Care of:	CITY OF ALPHARETTA
City:	ALPHARETTA	State:	GA
Zip:	30004	Owner:	ALPHARETTA
Source code:	Purchases surface water	Population:	8060
PWS ID:	GA1210000	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	GA1210000
Activity status:	Active	Date system activated:	Not Reported
Date system deactivated:	Not Reported	Retail population:	00006539
System name:	ALPHARETTA	System address:	CITY OF ALPHARETTA
System address:	TWO SOUTH MAIN STREET	System city:	ALPHARETTA
System state:	GA	System zip:	30201
Population served:	5,001 - 10,000 Persons	Treatment:	Treated
Latitude:	335031	Longitude:	0842844
Violation id:	10098	Orig code:	S
State:	GA	Violation Year:	1995
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	52	Violation name:	Follow-up Or Routine LCR Tap M/R
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/1995
Cmp edt:	Not Reported		

Violation id:	20303	Orig code:	S
State:	GA	Violation Year:	2003
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	24	Violation name:	Monitoring, Routine Minor (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	04/01/2003
Cmp edt:	04/30/2003		

Violation id:	20404	Orig code:	S
State:	GA	Violation Year:	1998
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	52	Violation name:	Follow-up Or Routine LCR Tap M/R
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/1998
Cmp edt:	Not Reported		

Violation id:	20505	Orig code:	S
State:	GA	Violation Year:	2004
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2004
Cmp edt:	10/31/2004		

Violation id:	20605	Orig code:	S
State:	GA	Violation Year:	2004
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	11/01/2004
Cmp edt:	11/30/2004		

Violation id:	20705	Orig code:	S
State:	GA	Violation Year:	2004
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	52	Violation name:	Follow-up Or Routine LCR Tap M/R
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2004
Cmp edt:	Not Reported		

Violation id:	20805	Orig code:	S
State:	GA	Violation Year:	2005
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2005
Cmp edt:	Not Reported		

Violation ID:	20303	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	05/29/2003
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal

Violation ID:	20303	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	05/29/2003
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

Violation ID:	20404	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	09/25/2002
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	20404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	06/28/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	20404	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	02/03/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	20505	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	12/03/2004
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	20505	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	01/25/2005
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	20505	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	12/03/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	20605	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	12/07/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	20605	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	12/07/2004
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	20605	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	01/25/2005
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	20705	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	01/27/2005
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	20705	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	01/27/2005
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	20705	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	05/26/2005
Enforcement Detail:	St Other	Enforcement Category:	Informal
Violation ID:	20705	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	05/05/2005
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	20805	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	08/24/2005
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	20805	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	07/01/2005

Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving

D15
North
1 - 2 Miles
Higher

FRDS PWS GA1210006

Epa region:	04	State:	GA
Pwsid:	GA1210006	Pwsname:	HAPEVILLE
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13121
Status:	Active	Retpopsrvd:	5385
Pwssvcconn:	2071	Psource longname:	Purch_surface_water
Pwstype:	CWS	Owner:	Local_Govt
Contact:	MARTIN, C C	Contactorgname:	MARTIN, C C
Contactphone:	404-669-2100	Contactaddress1:	POB 82311
Contactaddress2:	Not Reported	Contactcity:	HAPEVILLE
Contactstate:	GA	Contactzip:	30354-2311
Pwsactivitycode:	A		

PWS ID:	GA1210006	PWS name:	HAPEVILLE
Address:	3560 PERKINS STREET	Care of:	CITY OF HAPEVILLE
City:	HAPEVILLE	State:	GA
Zip:	30354	Owner:	HAPEVILLE
Source code:	Purchases surface water	Population:	5385

PWS ID:	GA1210006	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS name:	HAPEVILLE
PWS type code:	C	Retail population served:	5385
Contact:	MARTIN, C C	Contact address:	POB 82311
Contact address:	HAPEVILLE	Contact city:	GA
Contact state:	30	Contact zip:	404-669-21
Contact telephone:	Not Reported		

PWS ID:	GA1210006	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00005483	System name:	HAPEVILLE
System address:	CITY OF HAPEVILLE	System address:	POB 82311
System city:	HAPEVILLE	System state:	GA
System zip:	303542311		

Population served:	5,001 - 10,000 Persons	Treatment:	Treated

Latitude:	335031	Longitude:	0842844

Violation id:	10101	Orig code:	S
State:	GA	Violation Year:	2000
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2000
Cmp edt:	Not Reported		

Violation id:	10402	Orig code:	S
State:	GA	Violation Year:	2001
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR

Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2001
Cmp edt:	Not Reported		

Violation id:	10603	Orig code:	S
State:	GA	Violation Year:	2002
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2002
Cmp edt:	Not Reported		

Violation id:	10704	Orig code:	S
State:	GA	Violation Year:	2003
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2003
Cmp edt:	Not Reported		

Violation id:	10805	Orig code:	S
State:	GA	Violation Year:	2004
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2004
Cmp edt:	Not Reported		

Violation id:	10907	Orig code:	S
State:	GA	Violation Year:	2006
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2006
Cmp edt:	Not Reported		

Violation id:	11008	Orig code:	S
State:	GA	Violation Year:	2007
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2007
Cmp edt:	Not Reported		

Violation id:	11209	Orig code:	S
State:	GA	Violation Year:	2009
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	05/01/2009
Cmp edt:	05/31/2009		

Violation id:	11612	Orig code:	S
State:	GA	Violation Year:	2011
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)

Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	11/01/2011
Cmp edt:	11/30/2011		

Violation id:	11613	Orig code:	S
State:	GA	Violation Year:	2012
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2012
Cmp edt:	Not Reported		

Violation ID:	10101	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	07/02/2001
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving

Violation ID:	10101	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	08/31/2001
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	10402	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	07/18/2002
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	10402	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	07/02/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

Violation ID:	10603	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	08/11/2003
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		

Violation ID:	10603	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	08/18/2003
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	10704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	07/07/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	10704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	07/01/2004
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving

Violation ID:	10805	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	08/01/2005
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		

Violation ID:	10805	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	07/01/2005
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving

Violation ID:	10805	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	08/09/2005
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	10907	Orig Code:	S

Enforcemnt FY: 2007
Enforcement Detail: St Compliance achieved
Enforcement Action: 09/11/2007
Enforcement Category: Resolving

Violation ID: 10907
Enforcemnt FY: 2007
Enforcement Detail: State CCR Follow-up Notice
Enforcement Category: Informal
Orig Code: S
Enforcement Action: 09/01/2007

Violation ID: 11008
Enforcemnt FY: 2008
Enforcement Detail: St Compliance achieved
Orig Code: S
Enforcement Action: 07/22/2008
Enforcement Category: Resolving

Violation ID: 11008
Enforcemnt FY: 2008
Enforcement Detail: State CCR Follow-up Notice
Enforcement Category: Informal
Orig Code: S
Enforcement Action: 08/12/2008

Violation ID: 11209
Enforcemnt FY: 2009
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal
Orig Code: S
Enforcement Action: 06/03/2009

Violation ID: 11209
Enforcemnt FY: 2009
Enforcement Detail: St Public Notif received
Orig Code: S
Enforcement Action: 07/02/2009
Enforcement Category: Informal

Violation ID: 11209
Enforcemnt FY: 2009
Enforcement Detail: St Public Notif requested
Orig Code: S
Enforcement Action: 06/03/2009
Enforcement Category: Informal

Violation ID: 11612
Enforcemnt FY: 2012
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal
Orig Code: S
Enforcement Action: 01/30/2012

Violation ID: 11612
Enforcemnt FY: 2012
Enforcement Detail: St Public Notif requested
Orig Code: S
Enforcement Action: 01/30/2012
Enforcement Category: Informal

Violation ID: 11612
Enforcemnt FY: 2012
Enforcement Detail: St Public Notif received
Orig Code: S
Enforcement Action: 02/08/2012
Enforcement Category: Informal

Violation ID: 11613
Enforcemnt FY: 2012
Enforcement Detail: St Compliance achieved
Orig Code: S
Enforcement Action: 07/11/2012
Enforcement Category: Resolving

PWS name: HAPEVILLE
PWS type code: C
Contaminant: 7000
Compliance start date: 7/1/2001 0:00:00
Enforcement date: 7/2/2001 0:00:00
Violation measurement: Not Reported
Population served: 5385
Violation ID: 10101
Violation type: 71
Compliance end date: 8/31/2001 0:00:00
Enforcement action: State Intentional no-action

PWS name: HAPEVILLE
PWS type code: C
Contaminant: 7000
Compliance start date: 7/1/2001 0:00:00
Enforcement date: 8/31/2001 0:00:00
Violation measurement: Not Reported
Population served: 5385
Violation ID: 10101
Violation type: 71
Compliance end date: 8/31/2001 0:00:00
Enforcement action: State Compliance Achieved

PWS name: HAPEVILLE
Population served: 5385

PWS type code: C
Contaminant: 7000
Compliance start date: 7/1/2002 0:00:00
Enforcement date: 7/18/2002 0:00:00
Violation measurement: Not Reported
Violation ID: 10402
Violation type: 71
Compliance end date: 7/18/2002 0:00:00
Enforcement action: State Compliance Achieved

PWS name: HAPEVILLE
PWS type code: C
Contaminant: 7000
Compliance start date: 7/1/2002 0:00:00
Enforcement date: 7/2/2002 0:00:00
Violation measurement: Not Reported
Population served: 5385
Violation ID: 10402
Violation type: 71
Compliance end date: 7/18/2002 0:00:00
Enforcement action: State Violation/Reminder Notice

PWS name: HAPEVILLE
PWS type code: C
Contaminant: 7000
Compliance start date: 7/1/2003 0:00:00
Enforcement date: 8/11/2003 0:00:00
Violation measurement: Not Reported
Population served: 5385
Violation ID: 10603
Violation type: 71
Compliance end date: 8/18/2003 0:00:00
Enforcement action: SII

PWS name: HAPEVILLE
PWS type code: C
Contaminant: 7000
Compliance start date: 7/1/2003 0:00:00
Enforcement date: 8/18/2003 0:00:00
Violation measurement: Not Reported
Population served: 5385
Violation ID: 10603
Violation type: 71
Compliance end date: 8/18/2003 0:00:00
Enforcement action: State Compliance Achieved

PWS name: HAPEVILLE
PWS type code: C
Contaminant: 7000
Compliance start date: 7/1/2004 0:00:00
Enforcement date: 7/1/2004 0:00:00
Violation measurement: Not Reported
Population served: 5385
Violation ID: 10704
Violation type: 71
Compliance end date: 7/7/2004 0:00:00
Enforcement action: State Intentional no-action

PWS name: HAPEVILLE
PWS type code: C
Contaminant: 7000
Compliance start date: 7/1/2004 0:00:00
Enforcement date: 7/7/2004 0:00:00
Violation measurement: Not Reported
Population served: 5385
Violation ID: 10704
Violation type: 71
Compliance end date: 7/7/2004 0:00:00
Enforcement action: State Compliance Achieved

PWS name: HAPEVILLE
PWS type code: C
Contaminant: 7000
Compliance start date: 7/1/2005 0:00:00
Enforcement date: 7/1/2005 0:00:00
Violation measurement: Not Reported
Population served: 5385
Violation ID: 10805
Violation type: 71
Compliance end date: 8/9/2005 0:00:00
Enforcement action: State Intentional no-action

PWS name: HAPEVILLE
PWS type code: C
Contaminant: 7000
Compliance start date: 7/1/2005 0:00:00
Enforcement date: 8/1/2005 0:00:00
Violation measurement: Not Reported
Population served: 5385
Violation ID: 10805
Violation type: 71
Compliance end date: 8/9/2005 0:00:00
Enforcement action: SII

PWS name: HAPEVILLE
PWS type code: C
Contaminant: 7000
Compliance start date: 7/1/2005 0:00:00
Enforcement date: 8/9/2005 0:00:00
Violation measurement: Not Reported
Population served: 5385
Violation ID: 10805
Violation type: 71
Compliance end date: 8/9/2005 0:00:00
Enforcement action: State Compliance Achieved

PWS name:	HAPEVILLE	Population served:	5385
PWS type code:	C	Violation ID:	10907
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2007 0:00:00	Compliance end date:	9/11/2007 0:00:00
Enforcement date:	9/1/2007 0:00:00	Enforcement action:	SII
Violation measurement:	Not Reported		

PWS name:	HAPEVILLE	Population served:	5385
PWS type code:	C	Violation ID:	10907
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2007 0:00:00	Compliance end date:	9/11/2007 0:00:00
Enforcement date:	9/11/2007 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	HAPEVILLE	Population served:	5385
PWS type code:	C	Violation ID:	11008
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2008 0:00:00	Compliance end date:	7/22/2008 0:00:00
Enforcement date:	7/22/2008 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	HAPEVILLE	Population served:	5385
PWS type code:	C	Violation ID:	11008
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2008 0:00:00	Compliance end date:	7/22/2008 0:00:00
Enforcement date:	8/12/2008 0:00:00	Enforcement action:	SII
Violation measurement:	Not Reported		

D16
North
1 - 2 Miles
Higher

FRDS PWS GA1210037

Epa region:	04	State:	GA
Pwsid:	GA1210037	Pwsname:	PROVIDENCE PARK
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13121
Status:	Closed	Retpopsrvd:	400
Pwssvcconn:	1	Psource longname:	Groundwater
Pwstype:	TNCWS	Owner:	Local_Govt
Contact:	CULBRETH, JOHN	Contactorgname:	CULBRETH, JOHN
Contactphone:	404-730-6200	Contactaddress1:	141 PRIOR ST., SW SUITE 8054
Contactaddress2:	Not Reported	Contactcity:	ATLANTA
Contactstate:	GA	Contactzip:	30303
Pwsactivitycode:	I		

Pwsid:	GA1210037	Facid:	1033
Facname:	WELL #1 PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

PWS ID:	GA1210037	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	GA1210037
Activity status:	Active	Date system activated:	Not Reported
Date system deactivated:	Not Reported	Retail population:	00000400
System name:	PROVIDENCE PARK	System address:	PROVIDENCE PARK
System address:	13440 PROVIDENCE ROAD	System city:	ALPHARETTA
System state:	GA	System zip:	30201

Population served:	101 - 500 Persons	Treatment:	Treated
Latitude:	334456	Longitude:	0842317
Latitude:	335031	Longitude:	0842844
Violation id:	20203	Orig code:	S
State:	GA	Violation Year:	2003
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2003
Cmp edt:	03/31/2003		
Violation id:	20306	Orig code:	S
State:	GA	Violation Year:	2005
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	331	Rule name:	Nitrates
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2005
Cmp edt:	12/31/2005		
Violation id:	20407	Orig code:	S
State:	GA	Violation Year:	2006
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2006
Cmp edt:	12/31/2006		
Violation ID:	20203	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	04/16/2003
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	20203	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	04/16/2003
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	20306	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	02/21/2006
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	20306	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	02/21/2006
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	20306	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	08/15/2006
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	20306	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	06/08/2006
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	20407	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	01/19/2007
Enforcement Detail:	St Violation/Reminder Notice		

Enforcement Category:	Informal		
Violation ID:	20407	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	01/19/2007
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal

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D17
North
1 - 2 Miles
Higher

FRDS PWS GA1210002

Epa region:	04	State:	GA
Pwsid:	GA1210002	Pwsname:	COLLEGE PARK
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13121
Status:	Active	Retpopsrvd:	20382
Pwssvcconn:	2620	Psource longname:	Purch_surface_water
Pwstype:	CWS	Owner:	Local_Govt
Contact:	LEE, PHIL	Contactorgname:	LEE, PHIL
Contactphone:	404-669-3757	Contactaddress1:	1886 W HARVARD AVE.
Contactaddress2:	Not Reported	Contactcity:	COLLEGE PARK
Contactstate:	GA	Contactzip:	30337
Pwsactivitycode:	A		

PWS ID:	GA1210002	PWS name:	COLLEGE PARK
Address:	1886 WEST HARVARD AVE.	Care of:	CITY OF COLLEGE PARK
City:	COLLEGE PARK	State:	GA
Zip:	30337	Owner:	COLLEGE PARK
Source code:	Purchases surface water	Population:	20645

PWS ID:	GA1210002	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS name:	COLLEGE PARK
PWS type code:	C	Retail population served:	20382
Contact:	HOWARD, JR., JESSIE	Contact address:	POB 87137
Contact address:	COLLEGE PARK	Contact city:	GA
Contact state:	30	Contact zip:	404-669-37
Contact telephone:	Not Reported		

PWS ID:	GA1210002	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00020457	System name:	COLLEGE PARK
System address:	CITY OF COLLEGE PARK	System address:	1886 WEST HARVARD AVE.
System city:	COLLEGE PARK	System state:	GA
System zip:	30337		

Population served:	10,001 - 50,000 Persons	Treatment:	Treated
Latitude:	335031	Longitude:	0842844

Violation id:	10301	Orig code:	S
State:	GA	Violation Year:	2001
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2001
Cmp edt:	Not Reported		

Violation id:	11407	Orig code:	S

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State: GA
Contamination code: 5000
Violation code: 52
Rule code: 350
Violation measur: Not Reported
State mcl: Not Reported
Cmp edt: Not Reported
Violation Year: 2006
Contamination Name: Lead and Copper Rule
Violation name: Follow-up Or Routine LCR Tap M/R
Rule name: LCR
Unit of measure: Not Reported
Cmp bdt: 10/01/2006

Violation ID: 10301
Enforcemnt FY: 2001
Enforcement Detail: St Intentional no-action
Orig Code: S
Enforcement Action: 07/02/2001
Enforcement Category: Resolving

Violation ID: 10301
Enforcemnt FY: 2001
Enforcement Detail: St Compliance achieved
Orig Code: S
Enforcement Action: 08/10/2001
Enforcement Category: Resolving

Violation ID: 11407
Enforcemnt FY: 2007
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal
Orig Code: S
Enforcement Action: 03/02/2007

Violation ID: 11407
Enforcemnt FY: 2010
Enforcement Detail: St Compliance achieved
Orig Code: S
Enforcement Action: 09/14/2010
Enforcement Category: Resolving

Violation ID: 11407
Enforcemnt FY: 2007
Enforcement Detail: St Public Notif requested
Orig Code: S
Enforcement Action: 03/02/2007
Enforcement Category: Informal

PWS name: COLLEGE PARK
PWS type code: C
Contaminant: 7000
Compliance start date: 7/1/2001 0:00:00
Enforcement date: 7/2/2001 0:00:00
Violation measurement: Not Reported
Population served: 20382
Violation ID: 10301
Violation type: 71
Compliance end date: 8/10/2001 0:00:00
Enforcement action: State Intentional no-action

PWS name: COLLEGE PARK
PWS type code: C
Contaminant: 7000
Compliance start date: 7/1/2001 0:00:00
Enforcement date: 8/10/2001 0:00:00
Violation measurement: Not Reported
Population served: 20382
Violation ID: 10301
Violation type: 71
Compliance end date: 8/10/2001 0:00:00
Enforcement action: State Compliance Achieved

PWS name: COLLEGE PARK
PWS type code: C
Contaminant: Lead & Copper Rule
Compliance start date: 10/1/2006 0:00:00
Enforcement date: 3/2/2007 0:00:00
Violation measurement: Not Reported
Population served: 20382
Violation ID: 11407
Violation type: Follow-up and Routine Tap Sampling
Compliance end date: 12/31/2025 0:00:00
Enforcement action: State Violation/Reminder Notice

PWS name: COLLEGE PARK
PWS type code: C
Contaminant: Lead & Copper Rule
Compliance start date: 10/1/2006 0:00:00
Enforcement date: 3/2/2007 0:00:00
Violation measurement: Not Reported
Population served: 20382
Violation ID: 11407
Violation type: Follow-up and Routine Tap Sampling
Compliance end date: 12/31/2025 0:00:00
Enforcement action: State Public Notif Requested

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D18
North
1 - 2 Miles
Higher | **FRDS PWS** | **GA1210039**

Epa region:	04	State:	GA
Pwsid:	GA1210039	Pwsname:	CHAMPIONS CLUB OF ATLANTA
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13121
Status:	Closed	Retpopsrvd:	255
Pwssvcconn:	2	Psource longname:	Groundwater
Pwstype:	NTNCWS	Owner:	Private
Contact:	MELNIK, STEVE	Contactorgname:	Not Reported
Contactphone:	904-356-1000	Contactaddress1:	111 RIVERSIDE AVE., SUITE 330
Contactaddress2:	Not Reported	Contactcity:	JACKSONVILLE
Contactstate:	FL	Contactzip:	33202
Pwsactivitycode:	I		

Pwsid:	GA1210039	Facid:	1035
Facname:	WELL #1 PLANT	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

PWS ID:	GA1210039	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	GA1210039
Activity status:	Active	Date system activated:	Not Reported
Date system deactivated:	Not Reported	Retail population:	00000025
System name:	CHAMPIONS CLUB-HOPEWELL DOWNS		
System address:	CHAMPIONS CLUB-HOPEWELL DOWNS		
System address:	15135 HOPEWELL ROAD	System city:	ALPHARETTA
System state:	GA	System zip:	30201

Population served:	101 - 500 Persons	Treatment:	Treated

Latitude:	340431	Longitude:	0841739

Latitude:	335031	Longitude:	0842844

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9200001	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Major (TCR)		
Violation start date:	010192	Violation end date:	033192
Violation period (months):	003	Violation awareness date:	Not Reported
Major violator:	Yes	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9200002	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Major (TCR)		
Violation start date:	040192	Violation end date:	063092
Violation period (months):	003	Violation awareness date:	Not Reported
Major violator:	Yes	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported

Analysis method:	Not Reported	Analysis result:	Not Reported

D19
North
1 - 2 Miles
Higher

FRDS PWS GA1210007

Epa region:	04	State:	GA
Pwsid:	GA1210007	Pwsname:	MOUNTAIN PARK
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13121
Status:	Active	Retpopsrvd:	798
Pwssvcconn:	307	Psource longname:	Purch_surface_water
Pwstype:	CWS	Owner:	Local_Govt
Contact:	SCHMIDT, BILL	Contactorgname:	SCHMIDT, BILL
Contactphone:	770-993-4231	Contactaddress1:	118 LAKE SHORE DRIVE
Contactaddress2:	Not Reported	Contactcity:	MOUNTAIN PARK
Contactstate:	GA	Contactzip:	30075
Pwsactivitycode:	A		

PWS ID:	GA1210007	PWS name:	MOUNTAIN PARK
Address:	100 MOUNTAIN PARK ROAD	Care of:	CITY OF MOUNTAIN PARK
City:	ROSWELL	State:	GA
Zip:	30075	Owner:	MOUNTAIN PARK
Source code:	Purchases surface water	Population:	679

PWS ID:	GA1210007	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS name:	MOUNTAIN PARK
PWS type code:	C	Retail population served:	798
Contact:	SCHMIDT, BILL	Contact address:	118 LAKE SHORE DRIVE
Contact address:	MOUNTAIN PARK	Contact city:	GA
Contact state:	30	Contact zip:	770-993-42
Contact telephone:	Not Reported		

PWS ID:	GA1210007	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00000679	System name:	MOUNTAIN PARK
System address:	CITY OF MOUNTAIN PARK	System address:	100 MOUNTAIN PARK ROAD
System city:	ROSWELL	System state:	GA
System zip:	30075		

Population served:	501 - 1,000 Persons	Treatment:	Treated

Latitude:	335031	Longitude:	0842844

Violation id:	1005	Orig code:	S
State:	GA	Violation Year:	2004
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2004
Cmp edt:	Not Reported		

Violation id:	1107	Orig code:	S
State:	GA	Violation Year:	2006
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR

Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2006
Cmp edt:	Not Reported		

Violation id:	1408	Orig code:	S
State:	GA	Violation Year:	2007
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2007
Cmp edt:	Not Reported		

Violation id:	1613	Orig code:	S
State:	GA	Violation Year:	2012
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2012
Cmp edt:	Not Reported		

Violation id:	1614	Orig code:	S
State:	GA	Violation Year:	2013
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2013
Cmp edt:	Not Reported		

Violation id:	201	Orig code:	S
State:	GA	Violation Year:	2000
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2000
Cmp edt:	Not Reported		

Violation id:	302	Orig code:	S
State:	GA	Violation Year:	2001
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2001
Cmp edt:	Not Reported		

Violation id:	603	Orig code:	S
State:	GA	Violation Year:	2002
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2002
Cmp edt:	Not Reported		

Violation id:	804	Orig code:	S
State:	GA	Violation Year:	2003
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report

Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2003
Cmp edt:	Not Reported		

Violation id:	905	Orig code:	S
State:	GA	Violation Year:	2005
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	26	Violation name:	Monitoring, Repeat Minor (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	06/01/2005
Cmp edt:	06/30/2005		

Violation ID:	1005	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	08/29/2005
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	1005	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	08/01/2005
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		

Violation ID:	1107	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	09/01/2007
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		

Violation ID:	1107	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	10/05/2007
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		

Violation ID:	1107	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	09/10/2008
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	1408	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	09/10/2008
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	1408	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	08/12/2008
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		

Violation ID:	1613	Orig Code:	S
Enforcemnt FY:	2012	Enforcement Action:	08/27/2012
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		

Violation ID:	1613	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	10/18/2012
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	1614	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	07/02/2013
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		

Violation ID:	1614	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	08/27/2013

Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	201	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	07/02/2001
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving
Violation ID:	201	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	09/07/2001
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	302	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	07/23/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	302	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	08/08/2002
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	603	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	08/19/2003
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	603	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	08/11/2003
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		
Violation ID:	804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	09/08/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	08/20/2004
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		
Violation ID:	905	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	07/21/2005
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	905	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	07/21/2005
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
PWS name:	MOUNTAIN PARK	Population served:	798
PWS type code:	C	Violation ID:	1005
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2005 0:00:00	Compliance end date:	8/29/2005 0:00:00
Enforcement date:	8/1/2005 0:00:00	Enforcement action:	SII
Violation measurement:	Not Reported		
PWS name:	MOUNTAIN PARK	Population served:	798
PWS type code:	C	Violation ID:	1005
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2005 0:00:00	Compliance end date:	8/29/2005 0:00:00
Enforcement date:	8/29/2005 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		
PWS name:	MOUNTAIN PARK	Population served:	798
PWS type code:	C	Violation ID:	1107

Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2007 0:00:00	Compliance end date:	9/10/2008 0:00:00
Enforcement date:	10/5/2007 0:00:00	Enforcement action:	SII
Violation measurement:	Not Reported		

PWS name:	MOUNTAIN PARK	Population served:	798
PWS type code:	C	Violation ID:	1107
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2007 0:00:00	Compliance end date:	9/10/2008 0:00:00
Enforcement date:	9/1/2007 0:00:00	Enforcement action:	SII
Violation measurement:	Not Reported		

PWS name:	MOUNTAIN PARK	Population served:	798
PWS type code:	C	Violation ID:	1107
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2007 0:00:00	Compliance end date:	9/10/2008 0:00:00
Enforcement date:	9/10/2008 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	MOUNTAIN PARK	Population served:	798
PWS type code:	C	Violation ID:	1408
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2008 0:00:00	Compliance end date:	9/10/2008 0:00:00
Enforcement date:	8/12/2008 0:00:00	Enforcement action:	SII
Violation measurement:	Not Reported		

PWS name:	MOUNTAIN PARK	Population served:	798
PWS type code:	C	Violation ID:	1408
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2008 0:00:00	Compliance end date:	9/10/2008 0:00:00
Enforcement date:	9/10/2008 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	MOUNTAIN PARK	Population served:	798
PWS type code:	C	Violation ID:	201
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2001 0:00:00	Compliance end date:	9/7/2001 0:00:00
Enforcement date:	7/2/2001 0:00:00	Enforcement action:	State Intentional no-action
Violation measurement:	Not Reported		

PWS name:	MOUNTAIN PARK	Population served:	798
PWS type code:	C	Violation ID:	201
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2001 0:00:00	Compliance end date:	9/7/2001 0:00:00
Enforcement date:	9/7/2001 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	MOUNTAIN PARK	Population served:	798
PWS type code:	C	Violation ID:	302
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2002 0:00:00	Compliance end date:	8/8/2002 0:00:00
Enforcement date:	7/23/2002 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		

PWS name:	MOUNTAIN PARK	Population served:	798
PWS type code:	C	Violation ID:	302
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2002 0:00:00	Compliance end date:	8/8/2002 0:00:00
Enforcement date:	8/8/2002 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	MOUNTAIN PARK	Population served:	798

PWS type code:	C	Violation ID:	603
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2003 0:00:00	Compliance end date:	8/19/2003 0:00:00
Enforcement date:	8/11/2003 0:00:00	Enforcement action:	SII
Violation measurement:	Not Reported		

PWS name:	MOUNTAIN PARK	Population served:	798
PWS type code:	C	Violation ID:	603
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2003 0:00:00	Compliance end date:	8/19/2003 0:00:00
Enforcement date:	8/19/2003 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	MOUNTAIN PARK	Population served:	798
PWS type code:	C	Violation ID:	804
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2004 0:00:00	Compliance end date:	9/8/2004 0:00:00
Enforcement date:	8/20/2004 0:00:00	Enforcement action:	SII
Violation measurement:	Not Reported		

PWS name:	MOUNTAIN PARK	Population served:	798
PWS type code:	C	Violation ID:	804
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2004 0:00:00	Compliance end date:	9/8/2004 0:00:00
Enforcement date:	9/8/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	MOUNTAIN PARK	Population served:	798
PWS type code:	C	Violation ID:	905
Contaminant:	Coliform (Tcr)	Violation type:	Monitoring, Repeat Minor (TCR)
Compliance start date:	6/1/2005 0:00:00	Compliance end date:	6/30/2005 0:00:00
Enforcement date:	7/21/2005 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		

PWS name:	MOUNTAIN PARK	Population served:	798
PWS type code:	C	Violation ID:	905
Contaminant:	Coliform (Tcr)	Violation type:	Monitoring, Repeat Minor (TCR)
Compliance start date:	6/1/2005 0:00:00	Compliance end date:	6/30/2005 0:00:00
Enforcement date:	7/21/2005 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

D20
North
1 - 2 Miles
Higher

FRDS PWS GA1210005

Epa region:	04	State:	GA
Pwsid:	GA1210005	Pwsname:	NORTH FULTON COUNTY
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13121
Status:	Active	Retpopsrvd:	172533
Pwssvcconn:	70291	Psource longname:	Purch_surface_water
Pwstype:	CWS	Owner:	Local_Govt
Contact:	PERSON, PATRICK	Contactorgname:	PERSON, PATRICK
Contactphone:	404-612-9429	Contactaddress1:	1030 MARIETTA HWY
Contactaddress2:	Not Reported	Contactcity:	ROSWELL
Contactstate:	GA	Contactzip:	30075
Pwsactivitycode:	A		

PWS ID:	GA1210005	PWS name:	NORTH FULTON COUNTY
Address:	141 PRYOR ST. SW SUITE 6001		

Care of:	DEPT. OF PUBLIC WORKS	City:	ATLANTA
State:	GA	Zip:	30303
Owner:	NORTH FULTON COUNTY	Source code:	Purchases surface water
Population:	106600		

PWS ID:	GA1210005	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS name:	NORTH FULTON COUNTY
PWS type code:	C	Retail population served:	172533
Contact:	BAH, MARIE	Contact address:	1030 MARIETTA HWY.
Contact address:	ROSWELL	Contact city:	GA
Contact state:	30	Contact zip:	404-612-02
Contact telephone:	Not Reported		

PWS ID:	GA1210005	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00060000	System name:	NORTH FULTON COUNTY
System address:	NORTH FULTON WATER SYSTEM	System address:	1030 MARIETTA HIGHWAY
System city:	ROSWELL	System state:	GA
System zip:	300754732		

Population served:	50,001 - 75,000 Persons	Treatment:	Treated

Latitude:	335031	Longitude:	0842844

Latitude:	335031	Longitude:	0842844

Latitude:	335031	Longitude:	0842844

Latitude:	335031	Longitude:	0842844

Violation id:	10102	Orig code:	S
State:	GA	Violation Year:	2002
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2002
Cmp edt:	Not Reported		

Violation id:	10304	Orig code:	S
State:	GA	Violation Year:	2002
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	52	Violation name:	Follow-up Or Routine LCR Tap M/R
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2002
Cmp edt:	Not Reported		

Violation id:	10404	Orig code:	S
State:	GA	Violation Year:	2004
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2004
Cmp edt:	Not Reported		

Violation id:	10606	Orig code:	S
State:	GA	Violation Year:	2006
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule

Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2006
Cmp edt:	Not Reported		

Violation id:	10808	Orig code:	S
State:	GA	Violation Year:	2008
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2008
Cmp edt:	Not Reported		

Violation ID:	10102	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	07/18/2002
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	10102	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	07/23/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

Violation ID:	10304	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	09/22/2003
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	10304	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	02/03/2003
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

Violation ID:	10404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	07/02/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	10404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	07/01/2004
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving

Violation ID:	10606	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	07/21/2006
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	10606	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	07/21/2006
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving

Violation ID:	10808	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	08/14/2008
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	10808	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	08/12/2008
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		

PWS name:	NORTH FULTON COUNTY	Population served:	172533
PWS type code:	C	Violation ID:	10102
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2002 0:00:00	Compliance end date:	7/18/2002 0:00:00

Enforcement date: 7/18/2002 0:00:00
Enforcement action: State Compliance Achieved
Violation measurement: Not Reported

PWS name: NORTH FULTON COUNTY
Population served: 172533
PWS type code: C
Violation ID: 10102
Contaminant: 7000
Violation type: 71
Compliance start date: 7/1/2002 0:00:00
Compliance end date: 7/18/2002 0:00:00
Enforcement date: 7/23/2002 0:00:00
Enforcement action: State Violation/Reminder Notice
Violation measurement: Not Reported

PWS name: NORTH FULTON COUNTY
Population served: 172533
PWS type code: C
Violation ID: 10304
Contaminant: Lead & Copper Rule
Violation type: Follow-up and Routine Tap Sampling
Compliance start date: 10/1/2002 0:00:00
Compliance end date: 9/22/2003 0:00:00
Enforcement date: 2/3/2003 0:00:00
Enforcement action: State Violation/Reminder Notice
Violation measurement: Not Reported

PWS name: NORTH FULTON COUNTY
Population served: 172533
PWS type code: C
Violation ID: 10304
Contaminant: Lead & Copper Rule
Violation type: Follow-up and Routine Tap Sampling
Compliance start date: 10/1/2002 0:00:00
Compliance end date: 9/22/2003 0:00:00
Enforcement date: 9/22/2003 0:00:00
Enforcement action: State Compliance Achieved
Violation measurement: Not Reported

PWS name: NORTH FULTON COUNTY
Population served: 172533
PWS type code: C
Violation ID: 10404
Contaminant: 7000
Violation type: 71
Compliance start date: 7/1/2004 0:00:00
Compliance end date: 7/2/2004 0:00:00
Enforcement date: 7/1/2004 0:00:00
Enforcement action: State Intentional no-action
Violation measurement: Not Reported

PWS name: NORTH FULTON COUNTY
Population served: 172533
PWS type code: C
Violation ID: 10404
Contaminant: 7000
Violation type: 71
Compliance start date: 7/1/2004 0:00:00
Compliance end date: 7/2/2004 0:00:00
Enforcement date: 7/2/2004 0:00:00
Enforcement action: State Compliance Achieved
Violation measurement: Not Reported

PWS name: NORTH FULTON COUNTY
Population served: 172533
PWS type code: C
Violation ID: 10606
Contaminant: 7000
Violation type: 71
Compliance start date: 7/1/2006 0:00:00
Compliance end date: 7/21/2006 0:00:00
Enforcement date: 7/21/2006 0:00:00
Enforcement action: State Intentional no-action
Violation measurement: Not Reported

PWS name: NORTH FULTON COUNTY
Population served: 172533
PWS type code: C
Violation ID: 10606
Contaminant: 7000
Violation type: 71
Compliance start date: 7/1/2006 0:00:00
Compliance end date: 7/21/2006 0:00:00
Enforcement date: 7/21/2006 0:00:00
Enforcement action: State Compliance Achieved
Violation measurement: Not Reported

PWS name: NORTH FULTON COUNTY
Population served: 172533
PWS type code: C
Violation ID: 10808
Contaminant: 7000
Violation type: 71
Compliance start date: 7/1/2008 0:00:00
Compliance end date: 8/14/2008 0:00:00
Enforcement date: 8/12/2008 0:00:00
Enforcement action: SII
Violation measurement: Not Reported

PWS name: NORTH FULTON COUNTY
Population served: 172533
PWS type code: C
Violation ID: 10808
Contaminant: 7000
Violation type: 71

Compliance start date:	7/1/2008 0:00:00	Compliance end date:	8/14/2008 0:00:00
Enforcement date:	8/14/2008 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

E21
NNW
1 - 2 Miles
Higher

GA WELLS **0000002233**

County code:	067	Well num:	10EE39
Remarks:	BP GAS STN S ATLANTA ROAD	Lat:	335041
Lon:	0842922	Latlon datum:	NAD27
Alt:	930	Alt datum:	NGVD29
Depth:	39	Depth to casing:	29
Casing dia:	2	Casing matl:	P
Depth to top:	29	Depth to bot:	39
Opening type:	P	Constr date:	19900724
Discharge:	Not Reported	Prim use:	U
Aquifer code:	110SPRL	Edr id:	0000002233

E22
NNW
1 - 2 Miles
Higher

FED USGS **USGS40000265168**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	10EE39	Type:	Well
Description:	BP GAS STN S ATLANTA ROAD	HUC:	03130001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Saprolite	Aquifer Type:	Unconfined single aquifer
Construction Date:	19900724	Well Depth:	39
Well Depth Units:	ft	Well Hole Depth:	39.5
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1995-06-27
Feet below surface:	29.62	Feet to sea level:	Not Reported
Note:	Not Reported		

F23
WSW
1 - 2 Miles
Higher

FED USGS **USGS40000265030**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	09EE06	Type:	Well
Description:	CLAUDE W. McAteer	HUC:	03130002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Saprolite	Aquifer Type:	Unconfined single aquifer
Construction Date:	1940	Well Depth:	38
Well Depth Units:	ft	Well Hole Depth:	38
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1995-06-01

Feet below surface:	28.95	Feet to sea level:	Not Reported
Note:	Not Reported		

F24
WSW
1 - 2 Miles
Higher

GA WELLS **0000002229**

County code:	067	Well num:	09EE06
Remarks:	CLAUDE W. McAteer	Lat:	334818
Lon:	0843036	Latlon datum:	NAD27
Alt:	880	Alt datum:	NGVD29
Depth:	38	Depth to casing:	Not Reported
Casing dia:	30	Casing matl:	B
Depth to top:	Not Reported	Depth to bot:	Not Reported
Opening type:	Not Reported	Constr date:	1940
Discharge:	Not Reported	Prim use:	H
Aquifer code:	110SPRL	Edr id:	0000002229

25
ESE
1 - 2 Miles
Higher

GA WELLS **0000004654**

County code:	121	Well num:	10EE36
Remarks:	TREMONT TMPL BPTST CH SPG	Lat:	334827
Lon:	0842659	Latlon datum:	NAD27
Alt:	925	Alt datum:	NGVD29
Depth:	Not Reported	Depth to casing:	Not Reported
Casing dia:	Not Reported	Casing matl:	Not Reported
Depth to top:	Not Reported	Depth to bot:	Not Reported
Opening type:	Not Reported	Constr date:	Not Reported
Discharge:	5	Prim use:	U
Aquifer code:	320CRSL	Edr id:	0000004654

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for COBB County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 30080

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.067 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.300 pCi/L	67%	33%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Georgia GIS Clearinghouse
Telephone: 706-542-1581

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

A listing of Private Water Well locations
Georgia Department of Public Health
Telephone: (404) 657-2700
A listing of Private Water Well locations

Georgia Public Supply Wells
Source: Georgia Department of Community Affairs
Telephone: 404-894-0127

USGS Georgia Water Wells
Source: USGS, Georgia District Office
Telephone: 770-903-9100

DNR Managed Lands
Source: Department of Natural Resources
Telephone: 706-557-3032
This dataset provides 1:24,000-scale data depicting boundaries of land parcels making up the public lands managed by the Georgia Department of Natural Resources (GDNR). It includes polygon representations of State Parks, State Historic Parks, State Conservation Parks, State Historic Sites, Wildlife Management Areas, Public Fishing Areas, Fish Hatcheries, Natural Areas and other specially-designated areas. The data were collected and located by the Georgia Department of Natural Resources. Boundaries were digitized from survey plats or other information.

RADON

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

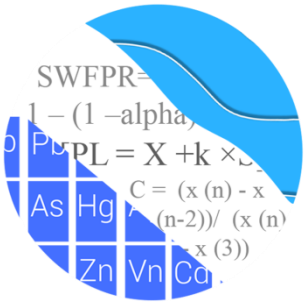
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APPENDIX E

Statistical Analyses

GROUNDWATER STATS CONSULTING

February 27, 2026



Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant McDonough Ash Pond (AP-1)
September 2025 Background Update & Statistical Analysis

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the September 2025 Semi-Annual Groundwater Monitoring and Corrective Action Statistical background update and statistical analysis of groundwater data for Georgia Power Company's Plant McDonough AP-1. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling for the Appendix III parameters began in 2016, and at least 8 background samples were collected at each of the groundwater monitoring wells. The assessment wells were installed at various times since 2016. Semi-annual sampling of the majority of Appendix IV constituents has been performed for the groundwater monitoring wells for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations. A list of all parameters is provided below.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** DGWA-53, DGWA-70A, and DGWA-71
- **Downgradient wells:** DGWC-37, DGWC-38, DGWC-39, DGWC-40, DGWC-41, DGWC-67, DGWC-68A, DGWC-69, DGWC-121, DGWC-134, and DGWC-135
- **Assessment wells:** B-62, B-100, B-105D, B-112D, and B-136D

Note that downgradient well DGWC-121 was installed in March 2022 and was first sampled in June 2022 for all constituents except combined radium 226 + 228, which was first sampled in September 2022. Downgradient wells DGWC-41, DGWC-134, and DGWC-135 along with assessment well B-136D were first sampled in October 2025. Data from these wells were plotted on time series and box plots. Per request of Georgia Power Company, both Appendix III and Appendix IV constituents among downgradient wells will be evaluated using interwell prediction limits and confidence intervals, respectively, when a minimum of 8 samples is available. Well DGWC-121 has reached the minimum of 8 samples for all constituents; therefore, all constituents are evaluated with interwell prediction limits and confidence intervals. Additionally, assessment wells with a minimum of 4 samples are evaluated using confidence intervals for Appendix IV constituents.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology prepared in Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The Coal Combustion Residuals (CCR) program consists of the constituents listed below. The terms "parameters" and "constituents" are used interchangeably.

- **Appendix III** (Detection Monitoring) **-** boron, calcium, chloride, fluoride, pH, sulfate, and 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 summary of Appendix IV downgradient and assessment well/constituent pairs with 100% non-detects follows 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. Due to elevated reporting limits (at or above the Maximum Contaminant Level (MCL) or CCR-specified level at one or more wells), the following most recent reporting limits as provided by the laboratory were substituted across all wells order to maintain conservative (i.e., lower) limits from a regulatory perspective:

- Beryllium: 0.0004 mg/L
- Boron: 0.04 mg/L
- Cadmium: 0.0005 mg/L

- Chromium: 0.005 mg/L
- Lead: 0.001 mg/L
- Lithium: 0.002 mg/L
- Molybdenum: 0.01 mg/L
- Selenium: 0.005 mg/L
- Thallium: 0.0005 mg/L

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). 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.

Due to flooding in well DGWC-68A during the September 2021 sample event, this well was, reportedly, re-developed and resamples were collected in October 2021 for arsenic, barium, chromium, cobalt, and pH. While the September 2021 reported results remain in the database for this well, these measurements were flagged as outliers. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

In earlier analyses, 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 previous screening to demonstrate that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations.

Summary of Statistical Methods – Appendix III Parameters:

Based on the earlier evaluation described above, the following method was selected:

- Interwell prediction limits, combined with a 1-of-2 resample plan for boron, calcium, chloride, fluoride, pH, sulfate, and TDS

Parametric prediction limits 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 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 limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits. Non-detects are handled as follows:

- 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 during each event after screening for any new outliers. In the intrawell case, data for all wells and constituents may be re-evaluated when a minimum of 4 new data points is available to determine whether earlier concentrations are representative of current groundwater quality. In some cases, the earlier portion of data may require deselection prior to construction of limits to provide sensitive limits that will rapidly detect 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 March 2019

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 all wells for Appendix III and Appendix IV parameters are 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.

Using the Tukey box plot method, several outliers were identified, and the reports were submitted with the screening. In cases where the most recent value was identified as an outlier, values were not flagged in the database at that time as they may represent a future trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e., measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers.

Of the outliers identified by Tukey's method, only a few of these values were flagged in the database as all other values are similar to remaining measurements within a given well or neighboring wells or were non-detects.

Additionally, 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. A substitution of the most recent reporting limit was applied when varying detection limits existed in data.

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 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 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 results of the trend analyses were included with the previous screening and showed two statistically significant decreasing trends for the Appendix III parameters. The only trend identified in the upgradient wells was a statistically significant decreasing trend for sulfate in well DGWA-71. All trends noted were relatively low in magnitude when compared to average concentrations; therefore, no adjustments were made to 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 are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified no variation among upgradient well data for fluoride, making this constituent eligible for interwell analyses. Variation was noted for boron, calcium, chloride, pH, sulfate, and TDS which indicated intrawell analyses may be most appropriate for these parameters. While data were further tested for intrawell eligibility during the screening, interwell methods will be used for all Appendix III constituents in accordance with Georgia EPD requirements.

Summary of Background Update Appendix III & IV – September 2025

Outlier Analysis

Tukey's outlier test was used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current pooled upgradient well data population (Figure C). 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 values are identified as an outlier, values are often not flagged in the database 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.

Tukey's outlier test on pooled upgradient well data identified values for chromium, cobalt, and fluoride. Previously flagged values for chromium and fluoride were confirmed, and no new measurements were flagged as outliers (Figure C). The earlier and higher measurements for cobalt at upgradient well DGWA-53 are truncated as discussed below in the Trend Test Evaluation section. Any other values identified by Tukey's, but not flagged in the database, appeared representative of remaining concentrations among pooled upgradient data or were an order of magnitude below a federally derived standard such as the MCL. While Tukey's test did not identify any outliers for boron at upgradient well DGWA-7, the February 2025 observation remains flagged, as requested by WSP, since the measurement did not meet required criteria for data validation. 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 (Figure D). 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 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: DGWA-71

Decreasing

- Boron: DGWA-53
- Calcium: DGWA-53
- Chloride: DGWA-53
- TDS: DGWA-53

Appendix IV

Increasing

- Barium: DGWA-70A
- Chromium: DGWA-70A
- Cobalt: DGWA-71

Decreasing

- Barium: DGWA-53
- Cobalt: DGWA-53
- Combined Radium 226+228: DGWA-53
- Molybdenum: DGWA-53

Although the results of the trend analyses showed statistically significant decreasing and increasing trends at individual upgradient wells for the Appendix III and IV parameters, the magnitudes of the slopes noted were relatively low compared to average pooled upgradient concentrations. An exception is for cobalt at upgradient well DGWA-53 where the statistically significant decreasing trend resulted from earlier elevated measurements which required truncation. This record utilizes data from August 2019 through the current sample event, which results in regulatory conservative (i.e., lower) statistical limits capable of identifying changes in downgradient groundwater quality. Trend tests using both the full and truncated portion of the record follow this report (Figure D).

While a statistically significant increasing trend was identified for cobalt at upgradient well DGWA-71, the slope, which represents the median slope of all pairwise slopes within the record, is zero. The zero median slope results from earlier reported trace measurements (i.e., below the practical quantitation limit), followed by all non-detects. Therefore, no adjustments were made to this record. Additionally, the remaining well/constituent pairs with statistically significant trends did not require truncation because truncating earlier measurements would have no bearing on resulting statistical limits which are constructed using pooled upgradient well data. If the observed decreasing or increasing trends persist over a longer time frame and influence resulting statistical limits, some records may require truncation. A summary of any truncated records follows this letter.

Statistical Analysis of Appendix III Parameters – September 2025

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were reassessed for potential outliers during this analysis. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. All previously flagged values were confirmed by Tukey's outlier test and time series graphs, and no new measurements were flagged during this analysis. A summary of previously flagged outliers follows this report (Figure C).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through September 2025 (Figure E). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The September 2025 sample from each downgradient well is compared to the background limit 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 a resample confirms the initial exceedance, a statistically significant increase 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. Therefore, no exceedance is noted, and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. A summary table of the interwell prediction limits follows this letter. Prediction limit exceedances were noted for the following well/constituent pairs:

- Boron: DGWC-37, DGWC-38, DGWC-39, DGWC-40, DGWC-67, DGWC-68A, DGWC-69, and DGWC-121
- Calcium: DGWC-37, DGWC-38, DGWC-39, DGWC-67, DGWC-68A, DGWC-69, and DGWC-121
- Chloride: DGWC-40 and DGWC-67
- pH (lower limit): DGWC-40
- Sulfate: DGWC-37, DGWC-38, DGWC-39, DGWC-40, DGWC-67, DGWC-69, and DGWC-121
- TDS: DGWC-37, DGWC-38, DGWC-39, DGWC-40, DGWC-67, DGWC-68A, DGWC-69, and DGWC-121

Trend Test Evaluation – Appendix III

When prediction limit 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 99% confidence level (Figure F). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells. Similar patterns that are present in both upgradient and downgradient wells are an indication of variability in groundwater quality unrelated to practices at the site. Statistically significant trends were noted for the following well/constituent pairs:

Increasing
- Boron: DGWC-67
- Calcium: DGWC-67 and DGWC-68A
- Chloride: DGWA-71 (upgradient) and DGWC-67

Decreasing
- Boron: DGWA-53 (upgradient), DGWC-39, and DGWC-40
- Calcium: DGWA-53 (upgradient)
- Chloride: DGWA-53 (upgradient) and DGWC-40
- pH: DGWC-40
- Sulfate: DGWC-38, DGWC-39, and DGWC-40
- TDS: DGWA-53 (upgradient) and DGWC-39

Statistical Analysis of Appendix IV Parameters – September 2025

For Appendix IV parameters, confidence intervals for each downgradient and assessment well/constituent pair with four or more samples were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. As mentioned above, downgradient and assessment well/constituent pairs that contain

100% non-detects do not require analysis. Data from upgradient wells for Appendix IV parameters are reassessed for outliers during each analysis prior to constructing statistical limits. No additional values were flagged during this analysis, and a complete list of flagged outliers follows this report (Figure C).

Additionally, downgradient well data through September 2025 were screened through visual screening using time series graphs. Since the downgradient well data are used to construct confidence intervals, values that are marginally high relative to the rest of the data are retained unless there is particular justification for excluding them. No additional measurements were flagged among downgradient wells, and all previously flagged measurements were confirmed.

Trend Test Analysis – Upgradient Wells

Earlier concentrations collected through November 2018 for cobalt at upgradient well DGWA-53 were elevated compared to current groundwater quality conditions for this well, as discussed earlier. The Sen's Slope/Mann-Kendall trend test was used to determine whether concentrations have statistically significantly decreased at the 95% confidence level (Figure D). A statistically significant decreasing trend was identified and the earlier concentrations were truncated from the record to reduce the magnitude of the trend (USEPA Unified Guidance, 2009, Chapter 5). The resulting statistical limit is representative of current groundwater quality conditions and is more conservative (i.e., lower) from a regulatory perspective. Trend tests using both the full and truncated records follow this report. A list of the date ranges used for cobalt at upgradient well DGWA-53 follows this report.

Interwell Upper Tolerance Limits

Interwell upper tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through September 2025 for Appendix IV constituents (Figure G). Parametric tolerance limits are calculated, with a target of 95% confidence and 95% coverage, when data follow a normal or transformed-normal distribution, such as for combined radium 226 + 228. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were constructed using the highest background measurement. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples.

Groundwater Protection Standards

The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a). On July 30, 2018, US EPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Effective on February 22, 2022, Georgia EPD incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). In accordance with the updated Rules, the GWPS is:

- The maximum contaminant level (MCL) established under §141.62 and §141.66 of this title
- Where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)
- The respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule identified GWPS

Following Georgia EPD Rule requirements and the Federal CCR requirements, GWPS were established for statistical comparison of Appendix IV constituents for this sample event (Figure H).

Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed for each of the Appendix IV constituents in accordance with the state requirements in each downgradient well with a minimum of 8 samples and assessment wells with a minimum of 4 samples (Figure I).

The Sanitas software was used to calculate the confidence intervals. These intervals were constructed as either parametric or nonparametric confidence intervals depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. Nonparametric confidence intervals were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The confidence level associated with nonparametric confidence intervals is dependent upon the number of samples available.

Confidence intervals were compared to the GWPS prepared as described above. Only when the entire confidence interval is above a GWPS is the downgradient well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. A summary of the confidence intervals follows this letter. Exceedances were noted for the following well/constituent pairs:

- Arsenic: DGWC-69
- Cobalt: DGWC-40 and B-100
- Molybdenum: DGWC-68A

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test at the 95% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure J). Although the trend tests for Assessment monitoring pairs were previously evaluated using 99% confidence, the 95% confidence level more rapidly identifies statistically significant trends. Additionally, the 95% confidence level is recommended in cases with limited sample sizes and, particularly, for new assessment wells. All available data for upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site for the same constituents. When trends are present in upgradient wells, it is an indication of variability in groundwater quality unrelated to practices at the site. A summary of the Appendix IV trend test results follows this letter. Statistically significant trends were identified for the following well/constituent pairs:

Increasing trends:
- Arsenic: DGWC-69
- Cobalt: DGWA-71 (upgradient)

Decreasing trends:
- Cobalt: DGWA-53 (upgradient) and B-100
- Molybdenum: DGWA-53 (upgradient) and DGWC-68A

Note that while the trend test identified a statistically significant increasing trend for cobalt in upgradient well DGWA-71, the slope, which represents the median slopes of all the possible pairwise slopes, is displayed as zero.

Summary

Based on the results of the interwell prediction limits and confidence intervals evaluating the September 2025 observations, exceedances were identified for the following well/constituent pairs:

- Boron: DGWC-37, DGWC-38, DGWC-39, DGWC-40, DGWC-67, DGWC-68A, DGWC-69, and DGWC-121
- Calcium: DGWC-37, DGWC-38, DGWC-39, DGWC-67, DGWC-68A, DGWC-69, and DGWC-121
- Chloride: DGWC-40 and DGWC-67
- pH (lower limit): DGWC-40
- Sulfate: DGWC-37, DGWC-38, DGWC-39, DGWC-40, DGWC-67, DGWC-69, and DGWC-121
- TDS: DGWC-37, DGWC-38, DGWC-39, DGWC-40, DGWC-67, DGWC-68A, DGWC-69, and DGWC-121

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for McDonough Ash Pond 1. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Easton Rayner
Groundwater Analyst



Andrew T. Collins
Project Manager

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Summary Tables

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100% Non-Detects: Appendix IV Downgradient & Assessment

Antimony (mg/L)
DGWC-38

Arsenic (mg/L)
DGWC-121

Beryllium (mg/L)
DGWC-39, DGWC-67, DGWC-121, B-105D, B-112D

Cadmium (mg/L)
DGWC-39, DGWC-121, B-105D, B-112D, B-62

Chromium (mg/L)
DGWC-39, DGWC-121

Lead (mg/L)
DGWC-121

Lithium (mg/L)
DGWC-39

Mercury (mg/L)
DGWC-121, B-112D, B-62

Molybdenum (mg/L)
DGWC-37, DGWC-40, B-62

Selenium (mg/L)
DGWC-37, DGWC-39, DGWC-69, DGWC-121, B-105D, B-112D, B-62

Thallium (mg/L)
DGWC-37, DGWC-67, DGWC-69, DGWC-121, B-100, B-105D, B-62

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Date Ranges

Date: 11/19/2025 10:23 AM

Plant McDonough Client: Southern Company Data: McDonough AP-1

Cobalt (mg/L)

DGWA-53 overall:8/28/2019-9/10/2025

Appendix III Trend Tests - Upgradient Wells - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:15 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**DGWA-53 (bg)**	**-0.003651**	**-121**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**DGWA-53 (bg)**	**-2.925**	**-178**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**DGWA-53 (bg)**	**-0.1099**	**-153**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**DGWA-71 (bg)**	**0.7835**	**152**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**DGWA-53 (bg)**	**-14.53**	**-168**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Upgradient Wells - All Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:15 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**DGWA-53 (bg)**	**-0.003651**	**-121**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	DGWA-70A (bg)	0	53	92	No	22	50	n/a	n/a	0.01	NP
Boron (mg/L)	DGWA-71 (bg)	0.0007332	53	87	No	21	19.05	n/a	n/a	0.01	NP
Calcium (mg/L)	**DGWA-53 (bg)**	**-2.925**	**-178**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	DGWA-70A (bg)	0.105	63	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	DGWA-71 (bg)	-0.04368	-15	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**DGWA-53 (bg)**	**-0.1099**	**-153**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	DGWA-70A (bg)	-0.02359	-59	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**DGWA-71 (bg)**	**0.7835**	**152**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	DGWA-53 (bg)	-0.003706	-57	-111	No	25	4	n/a	n/a	0.01	NP
Fluoride (mg/L)	DGWA-70A (bg)	0	24	98	No	23	52.17	n/a	n/a	0.01	NP
Fluoride (mg/L)	DGWA-71 (bg)	0	-28	-111	No	25	68	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-53 (bg)	0.01168	23	111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-70A (bg)	-0.02274	-88	-105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-71 (bg)	-0.002658	-11	-111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	DGWA-53 (bg)	-0.2961	-34	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	DGWA-70A (bg)	0	-12	-92	No	22	50	n/a	n/a	0.01	NP
Sulfate (mg/L)	DGWA-71 (bg)	-0.3401	-74	-98	No	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	**DGWA-53 (bg)**	**-14.53**	**-168**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	DGWA-70A (bg)	1.031	16	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	DGWA-71 (bg)	-0.8924	-39	-98	No	23	0	n/a	n/a	0.01	NP

Appendix IV Trend Tests - Upgradient Wells - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:17 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	**DGWA-53 (bg)**	**-0.007857**	**-110**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**DGWA-70A (bg)**	**0.00201**	**173**	**76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**DGWA-70A (bg)**	**0.0003166**	**109**	**71**	**Yes**	**22**	**54.55**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**DGWA-53 (bg)**	**-0.002826**	**-169**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**DGWA-71 (bg)**	**0**	**80**	**76**	**Yes**	**23**	**78.26**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**DGWA-53 (bg)**	**-0.3583**	**-143**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**DGWA-53 (bg)**	**-0.001775**	**-98**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Upgradient Wells - All Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:17 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	DGWA-53 (bg)	0	17	76	No	23	91.3	n/a	n/a	0.05	NP
Antimony (mg/L)	DGWA-70A (bg)	0	-9	-76	No	23	91.3	n/a	n/a	0.05	NP
Antimony (mg/L)	DGWA-71 (bg)	0	55	76	No	23	73.91	n/a	n/a	0.05	NP
Arsenic (mg/L)	DGWA-53 (bg)	0	63	76	No	23	56.52	n/a	n/a	0.05	NP
Arsenic (mg/L)	DGWA-70A (bg)	0	21	76	No	23	86.96	n/a	n/a	0.05	NP
Arsenic (mg/L)	DGWA-71 (bg)	0	31	76	No	23	86.96	n/a	n/a	0.05	NP
Barium (mg/L)	**DGWA-53 (bg)**	**-0.007857**	**-110**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**DGWA-70A (bg)**	**0.00201**	**173**	**76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	DGWA-71 (bg)	-0.000626	-47	-76	No	23	0	n/a	n/a	0.05	NP
Beryllium (mg/L)	DGWA-53 (bg)	0	-13	-81	No	24	95.83	n/a	n/a	0.05	NP
Beryllium (mg/L)	DGWA-70A (bg)	0	-55	-76	No	23	47.83	n/a	n/a	0.05	NP
Beryllium (mg/L)	DGWA-71 (bg)	0	-20	-76	No	23	26.09	n/a	n/a	0.05	NP
Cadmium (mg/L)	DGWA-53 (bg)	0	18	81	No	24	87.5	n/a	n/a	0.05	NP
Cadmium (mg/L)	DGWA-70A (bg)	0	0	76	No	23	95.65	n/a	n/a	0.05	NP
Cadmium (mg/L)	DGWA-71 (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Chromium (mg/L)	DGWA-53 (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Chromium (mg/L)	**DGWA-70A (bg)**	**0.0003166**	**109**	**71**	**Yes**	**22**	**54.55**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	DGWA-71 (bg)	0	73	76	No	23	69.57	n/a	n/a	0.05	NP
Cobalt (mg/L)	**DGWA-53 (bg)**	**-0.002826**	**-169**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	DGWA-70A (bg)	0	71	76	No	23	65.22	n/a	n/a	0.05	NP
Cobalt (mg/L)	**DGWA-71 (bg)**	**0**	**80**	**76**	**Yes**	**23**	**78.26**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**DGWA-53 (bg)**	**-0.3583**	**-143**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	DGWA-70A (bg)	-0.007547	-6	-76	No	23	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	DGWA-71 (bg)	0	0	76	No	23	0	n/a	n/a	0.05	NP
Fluoride (mg/L)	DGWA-53 (bg)	-0.003706	-57	-85	No	25	4	n/a	n/a	0.05	NP
Fluoride (mg/L)	DGWA-70A (bg)	0	24	76	No	23	52.17	n/a	n/a	0.05	NP
Fluoride (mg/L)	DGWA-71 (bg)	0	-28	-85	No	25	68	n/a	n/a	0.05	NP
Lead (mg/L)	DGWA-53 (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Lead (mg/L)	DGWA-70A (bg)	0	71	76	No	23	65.22	n/a	n/a	0.05	NP
Lead (mg/L)	DGWA-71 (bg)	0	20	76	No	23	95.65	n/a	n/a	0.05	NP
Lithium (mg/L)	DGWA-53 (bg)	-0.0000955	-51	-76	No	23	0	n/a	n/a	0.05	NP
Lithium (mg/L)	DGWA-70A (bg)	0	-45	-76	No	23	82.61	n/a	n/a	0.05	NP
Lithium (mg/L)	DGWA-71 (bg)	0	-17	-76	No	23	21.74	n/a	n/a	0.05	NP
Mercury (mg/L)	DGWA-53 (bg)	0	18	76	No	23	95.65	n/a	n/a	0.05	NP
Mercury (mg/L)	DGWA-70A (bg)	0	25	76	No	23	91.3	n/a	n/a	0.05	NP
Mercury (mg/L)	DGWA-71 (bg)	0	58	76	No	23	60.87	n/a	n/a	0.05	NP
Molybdenum (mg/L)	**DGWA-53 (bg)**	**-0.001775**	**-98**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	DGWA-70A (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	DGWA-71 (bg)	0	22	76	No	23	95.65	n/a	n/a	0.05	NP
Selenium (mg/L)	DGWA-53 (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Selenium (mg/L)	DGWA-70A (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Selenium (mg/L)	DGWA-71 (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Thallium (mg/L)	DGWA-53 (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Thallium (mg/L)	DGWA-70A (bg)	0	15	76	No	23	91.3	n/a	n/a	0.05	NP
Thallium (mg/L)	DGWA-71 (bg)	0	22	76	No	23	95.65	n/a	n/a	0.05	NP

Cobalt DGWA-53 Trend Tests - Truncated Record - All Results (No Significant)

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:43 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	DGWA-53 (bg)	-0.0008111	-37	-41	No	15	0	n/a	n/a	0.05	NP

Interwell Prediction Limits - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:26 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Boron (mg/L)	DGWC-37	0.13	n/a	9/16/2025	1.5	Yes	66	24.24	n/a	0.0004392	NP Inter (normality) 1 of 2
Boron (mg/L)	DGWC-38	0.13	n/a	9/15/2025	2.9	Yes	66	24.24	n/a	0.0004392	NP Inter (normality) 1 of 2
Boron (mg/L)	DGWC-39	0.13	n/a	9/16/2025	3	Yes	66	24.24	n/a	0.0004392	NP Inter (normality) 1 of 2
Boron (mg/L)	DGWC-40	0.13	n/a	9/16/2025	0.61	Yes	66	24.24	n/a	0.0004392	NP Inter (normality) 1 of 2
Boron (mg/L)	DGWC-67	0.13	n/a	9/9/2025	4.4	Yes	66	24.24	n/a	0.0004392	NP Inter (normality) 1 of 2
Boron (mg/L)	DGWC-68A	0.13	n/a	9/9/2025	1.8	Yes	66	24.24	n/a	0.0004392	NP Inter (normality) 1 of 2
Boron (mg/L)	DGWC-69	0.13	n/a	9/16/2025	1.5	Yes	66	24.24	n/a	0.0004392	NP Inter (normality) 1 of 2
Boron (mg/L)	DGWC-121	0.13	n/a	9/16/2025	2.1	Yes	66	24.24	n/a	0.0004392	NP Inter (normality) 1 of 2
Calcium (mg/L)	DGWC-37	40.3	n/a	9/16/2025	52.2	Yes	66	0	n/a	0.0004392	NP Inter (normality) 1 of 2
Calcium (mg/L)	DGWC-38	40.3	n/a	9/15/2025	85.7	Yes	66	0	n/a	0.0004392	NP Inter (normality) 1 of 2
Calcium (mg/L)	DGWC-39	40.3	n/a	9/16/2025	97.8	Yes	66	0	n/a	0.0004392	NP Inter (normality) 1 of 2
Calcium (mg/L)	DGWC-67	40.3	n/a	9/9/2025	46.1	Yes	66	0	n/a	0.0004392	NP Inter (normality) 1 of 2
Calcium (mg/L)	DGWC-68A	40.3	n/a	9/9/2025	52.5	Yes	66	0	n/a	0.0004392	NP Inter (normality) 1 of 2
Calcium (mg/L)	DGWC-69	40.3	n/a	9/16/2025	44.4	Yes	66	0	n/a	0.0004392	NP Inter (normality) 1 of 2
Calcium (mg/L)	DGWC-121	40.3	n/a	9/16/2025	44.3	Yes	66	0	n/a	0.0004392	NP Inter (normality) 1 of 2
Chloride (mg/L)	DGWC-40	10.2	n/a	9/16/2025	13	Yes	68	0	n/a	0.0004125	NP Inter (normality) 1 of 2
Chloride (mg/L)	DGWC-67	10.2	n/a	9/9/2025	10.8	Yes	68	0	n/a	0.0004125	NP Inter (normality) 1 of 2
pH, Field (SU)	DGWC-40	6.69	5.4	9/16/2025	4.59	Yes	74	0	n/a	0.0007013	NP Inter (normality) 1 of 2
Sulfate (mg/L)	DGWC-37	49	n/a	9/16/2025	77.9	Yes	68	16.18	n/a	0.0004125	NP Inter (normality) 1 of 2
Sulfate (mg/L)	DGWC-38	49	n/a	9/15/2025	211	Yes	68	16.18	n/a	0.0004125	NP Inter (normality) 1 of 2
Sulfate (mg/L)	DGWC-39	49	n/a	9/16/2025	148	Yes	68	16.18	n/a	0.0004125	NP Inter (normality) 1 of 2
Sulfate (mg/L)	DGWC-40	49	n/a	9/16/2025	152	Yes	68	16.18	n/a	0.0004125	NP Inter (normality) 1 of 2
Sulfate (mg/L)	DGWC-67	49	n/a	9/9/2025	109	Yes	68	16.18	n/a	0.0004125	NP Inter (normality) 1 of 2
Sulfate (mg/L)	DGWC-69	49	n/a	9/16/2025	53.9	Yes	68	16.18	n/a	0.0004125	NP Inter (normality) 1 of 2
Sulfate (mg/L)	DGWC-121	49	n/a	9/16/2025	93.9	Yes	68	16.18	n/a	0.0004125	NP Inter (normality) 1 of 2
TDS (mg/L)	DGWC-37	223.4	n/a	9/16/2025	291	Yes	67	0	sqrt(x)	0.0009403	Param Inter 1 of 2
TDS (mg/L)	DGWC-38	223.4	n/a	9/15/2025	490	Yes	67	0	sqrt(x)	0.0009403	Param Inter 1 of 2
TDS (mg/L)	DGWC-39	223.4	n/a	9/16/2025	489	Yes	67	0	sqrt(x)	0.0009403	Param Inter 1 of 2
TDS (mg/L)	DGWC-40	223.4	n/a	9/16/2025	332	Yes	67	0	sqrt(x)	0.0009403	Param Inter 1 of 2
TDS (mg/L)	DGWC-67	223.4	n/a	9/9/2025	316	Yes	67	0	sqrt(x)	0.0009403	Param Inter 1 of 2
TDS (mg/L)	DGWC-68A	223.4	n/a	9/9/2025	272	Yes	67	0	sqrt(x)	0.0009403	Param Inter 1 of 2
TDS (mg/L)	DGWC-69	223.4	n/a	9/16/2025	274	Yes	67	0	sqrt(x)	0.0009403	Param Inter 1 of 2
TDS (mg/L)	DGWC-121	223.4	n/a	9/16/2025	262	Yes	67	0	sqrt(x)	0.0009403	Param Inter 1 of 2

Interwell Prediction Limits - All Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:26 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Boron (mg/L)	**DGWC-37**	**0.13**	**n/a**	**9/16/2025**	**1.5**	**Yes**	**66**	**24.24**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**DGWC-38**	**0.13**	**n/a**	**9/15/2025**	**2.9**	**Yes**	**66**	**24.24**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**DGWC-39**	**0.13**	**n/a**	**9/16/2025**	**3**	**Yes**	**66**	**24.24**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**DGWC-40**	**0.13**	**n/a**	**9/16/2025**	**0.61**	**Yes**	**66**	**24.24**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**DGWC-67**	**0.13**	**n/a**	**9/9/2025**	**4.4**	**Yes**	**66**	**24.24**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**DGWC-68A**	**0.13**	**n/a**	**9/9/2025**	**1.8**	**Yes**	**66**	**24.24**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**DGWC-69**	**0.13**	**n/a**	**9/16/2025**	**1.5**	**Yes**	**66**	**24.24**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**DGWC-121**	**0.13**	**n/a**	**9/16/2025**	**2.1**	**Yes**	**66**	**24.24**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**DGWC-37**	**40.3**	**n/a**	**9/16/2025**	**52.2**	**Yes**	**66**	**0**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**DGWC-38**	**40.3**	**n/a**	**9/15/2025**	**85.7**	**Yes**	**66**	**0**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**DGWC-39**	**40.3**	**n/a**	**9/16/2025**	**97.8**	**Yes**	**66**	**0**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	DGWC-40	40.3	n/a	9/16/2025	39.2	No	66	0	n/a	0.0004392	NP Inter (normality) 1 of 2
Calcium (mg/L)	**DGWC-67**	**40.3**	**n/a**	**9/9/2025**	**46.1**	**Yes**	**66**	**0**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**DGWC-68A**	**40.3**	**n/a**	**9/9/2025**	**52.5**	**Yes**	**66**	**0**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**DGWC-69**	**40.3**	**n/a**	**9/16/2025**	**44.4**	**Yes**	**66**	**0**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**DGWC-121**	**40.3**	**n/a**	**9/16/2025**	**44.3**	**Yes**	**66**	**0**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	DGWC-37	10.2	n/a	9/16/2025	5.4	No	68	0	n/a	0.0004125	NP Inter (normality) 1 of 2
Chloride (mg/L)	DGWC-38	10.2	n/a	9/15/2025	8.9	No	68	0	n/a	0.0004125	NP Inter (normality) 1 of 2
Chloride (mg/L)	DGWC-39	10.2	n/a	9/16/2025	8.3	No	68	0	n/a	0.0004125	NP Inter (normality) 1 of 2
Chloride (mg/L)	**DGWC-40**	**10.2**	**n/a**	**9/16/2025**	**13**	**Yes**	**68**	**0**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**DGWC-67**	**10.2**	**n/a**	**9/9/2025**	**10.8**	**Yes**	**68**	**0**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	DGWC-68A	10.2	n/a	9/9/2025	4.5	No	68	0	n/a	0.0004125	NP Inter (normality) 1 of 2
Chloride (mg/L)	DGWC-69	10.2	n/a	9/16/2025	3.2	No	68	0	n/a	0.0004125	NP Inter (normality) 1 of 2
Chloride (mg/L)	DGWC-121	10.2	n/a	9/16/2025	5.2	No	68	0	n/a	0.0004125	NP Inter (normality) 1 of 2
Fluoride (mg/L)	DGWC-37	0.42	n/a	9/16/2025	0.061J	No	73	41.1	n/a	0.0003595	NP Inter (normality) 1 of 2
Fluoride (mg/L)	DGWC-38	0.42	n/a	9/15/2025	0.1	No	73	41.1	n/a	0.0003595	NP Inter (normality) 1 of 2
Fluoride (mg/L)	DGWC-39	0.42	n/a	9/16/2025	0.081J	No	73	41.1	n/a	0.0003595	NP Inter (normality) 1 of 2
Fluoride (mg/L)	DGWC-40	0.42	n/a	9/16/2025	0.1	No	73	41.1	n/a	0.0003595	NP Inter (normality) 1 of 2
Fluoride (mg/L)	DGWC-67	0.42	n/a	9/9/2025	0.067J	No	73	41.1	n/a	0.0003595	NP Inter (normality) 1 of 2
Fluoride (mg/L)	DGWC-68A	0.42	n/a	9/9/2025	0.099J	No	73	41.1	n/a	0.0003595	NP Inter (normality) 1 of 2
Fluoride (mg/L)	DGWC-69	0.42	n/a	9/16/2025	0.23	No	73	41.1	n/a	0.0003595	NP Inter (normality) 1 of 2
Fluoride (mg/L)	DGWC-121	0.42	n/a	9/16/2025	0.1ND	No	73	41.1	n/a	0.0003595	NP Inter (normality) 1 of 2
pH, Field (SU)	DGWC-37	6.69	5.4	9/16/2025	6.28	No	74	0	n/a	0.0007013	NP Inter (normality) 1 of 2
pH, Field (SU)	DGWC-38	6.69	5.4	9/15/2025	6.1	No	74	0	n/a	0.0007013	NP Inter (normality) 1 of 2
pH, Field (SU)	DGWC-39	6.69	5.4	9/16/2025	6.44	No	74	0	n/a	0.0007013	NP Inter (normality) 1 of 2
pH, Field (SU)	**DGWC-40**	**6.69**	**5.4**	**9/16/2025**	**4.59**	**Yes**	**74**	**0**	**n/a**	**0.0007013**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	DGWC-67	6.69	5.4	9/9/2025	6.19	No	74	0	n/a	0.0007013	NP Inter (normality) 1 of 2
pH, Field (SU)	DGWC-68A	6.69	5.4	9/9/2025	6.58	No	74	0	n/a	0.0007013	NP Inter (normality) 1 of 2
pH, Field (SU)	DGWC-69	6.69	5.4	9/16/2025	6.29	No	74	0	n/a	0.0007013	NP Inter (normality) 1 of 2
pH, Field (SU)	DGWC-121	6.69	5.4	9/16/2025	6.14	No	74	0	n/a	0.0007013	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**DGWC-37**	**49**	**n/a**	**9/16/2025**	**77.9**	**Yes**	**68**	**16.18**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**DGWC-38**	**49**	**n/a**	**9/15/2025**	**211**	**Yes**	**68**	**16.18**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**DGWC-39**	**49**	**n/a**	**9/16/2025**	**148**	**Yes**	**68**	**16.18**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**DGWC-40**	**49**	**n/a**	**9/16/2025**	**152**	**Yes**	**68**	**16.18**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**DGWC-67**	**49**	**n/a**	**9/9/2025**	**109**	**Yes**	**68**	**16.18**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	DGWC-68A	49	n/a	9/9/2025	33.4	No	68	16.18	n/a	0.0004125	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**DGWC-69**	**49**	**n/a**	**9/16/2025**	**53.9**	**Yes**	**68**	**16.18**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**DGWC-121**	**49**	**n/a**	**9/16/2025**	**93.9**	**Yes**	**68**	**16.18**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**DGWC-37**	**223.4**	**n/a**	**9/16/2025**	**291**	**Yes**	**67**	**0**	**sqrt(x)**	**0.0009403**	**Param Inter 1 of 2**
TDS (mg/L)	**DGWC-38**	**223.4**	**n/a**	**9/15/2025**	**490**	**Yes**	**67**	**0**	**sqrt(x)**	**0.0009403**	**Param Inter 1 of 2**
TDS (mg/L)	**DGWC-39**	**223.4**	**n/a**	**9/16/2025**	**489**	**Yes**	**67**	**0**	**sqrt(x)**	**0.0009403**	**Param Inter 1 of 2**
TDS (mg/L)	**DGWC-40**	**223.4**	**n/a**	**9/16/2025**	**332**	**Yes**	**67**	**0**	**sqrt(x)**	**0.0009403**	**Param Inter 1 of 2**
TDS (mg/L)	**DGWC-67**	**223.4**	**n/a**	**9/9/2025**	**316**	**Yes**	**67**	**0**	**sqrt(x)**	**0.0009403**	**Param Inter 1 of 2**
TDS (mg/L)	**DGWC-68A**	**223.4**	**n/a**	**9/9/2025**	**272**	**Yes**	**67**	**0**	**sqrt(x)**	**0.0009403**	**Param Inter 1 of 2**
TDS (mg/L)	**DGWC-69**	**223.4**	**n/a**	**9/16/2025**	**274**	**Yes**	**67**	**0**	**sqrt(x)**	**0.0009403**	**Param Inter 1 of 2**
TDS (mg/L)	**DGWC-121**	**223.4**	**n/a**	**9/16/2025**	**262**	**Yes**	**67**	**0**	**sqrt(x)**	**0.0009403**	**Param Inter 1 of 2**

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:31 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**DGWA-53 (bg)**	**-0.003651**	**-121**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**DGWC-39**	**-0.1153**	**-129**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**DGWC-40**	**-0.02916**	**-146**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**DGWC-67**	**0.1127**	**140**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**DGWA-53 (bg)**	**-2.925**	**-178**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**DGWC-67**	**0.6575**	**104**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**DGWC-68A**	**0.7604**	**102**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**DGWA-53 (bg)**	**-0.1099**	**-153**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**DGWA-71 (bg)**	**0.7835**	**152**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**DGWC-40**	**-0.7825**	**-156**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**DGWC-67**	**0.6282**	**207**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**DGWC-40**	**-0.01993**	**-137**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**DGWC-38**	**-7.212**	**-135**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**DGWC-39**	**-16.46**	**-160**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**DGWC-40**	**-9.375**	**-155**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**DGWA-53 (bg)**	**-14.53**	**-168**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**DGWC-39**	**-14.13**	**-114**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:31 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**DGWA-53 (bg)**	**-0.003651**	**-121**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	DGWA-70A (bg)	0	53	92	No	22	50	n/a	n/a	0.01	NP
Boron (mg/L)	DGWA-71 (bg)	0.0007332	53	87	No	21	19.05	n/a	n/a	0.01	NP
Boron (mg/L)	DGWC-37	0	-12	-92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	DGWC-38	-0.03525	-88	-92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	**DGWC-39**	**-0.1153**	**-129**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**DGWC-40**	**-0.02916**	**-146**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**DGWC-67**	**0.1127**	**140**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	DGWC-68A	-0.01539	-42	-92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	DGWC-69	-0.004893	-42	-105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	DGWC-121	0.1482	14	30	No	10	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**DGWA-53 (bg)**	**-2.925**	**-178**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	DGWA-70A (bg)	0.105	63	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	DGWA-71 (bg)	-0.04368	-15	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	DGWC-37	0.6606	43	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	DGWC-38	0.2808	19	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	DGWC-39	-0.7799	-36	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**DGWC-67**	**0.6575**	**104**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**DGWC-68A**	**0.7604**	**102**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	DGWC-69	-0.1034	-10	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	DGWC-121	-0.159	-1	-30	No	10	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**DGWA-53 (bg)**	**-0.1099**	**-153**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	DGWA-70A (bg)	-0.02359	-59	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**DGWA-71 (bg)**	**0.7835**	**152**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**DGWC-40**	**-0.7825**	**-156**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**DGWC-67**	**0.6282**	**207**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	DGWA-53 (bg)	0.01168	23	111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-70A (bg)	-0.02274	-88	-105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-71 (bg)	-0.002658	-11	-111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	**DGWC-40**	**-0.01993**	**-137**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	DGWA-53 (bg)	-0.2961	-34	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	DGWA-70A (bg)	0	-12	-92	No	22	50	n/a	n/a	0.01	NP
Sulfate (mg/L)	DGWA-71 (bg)	-0.3401	-74	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	DGWC-37	-0.8616	-41	-87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**DGWC-38**	**-7.212**	**-135**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**DGWC-39**	**-16.46**	**-160**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**DGWC-40**	**-9.375**	**-155**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	DGWC-67	0.1525	12	92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	DGWC-69	-0.6033	-51	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	DGWC-121	3.013	18	30	No	10	0	n/a	n/a	0.01	NP
TDS (mg/L)	**DGWA-53 (bg)**	**-14.53**	**-168**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	DGWA-70A (bg)	1.031	16	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	DGWA-71 (bg)	-0.8924	-39	-98	No	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	DGWC-37	2.866	44	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	DGWC-38	0.8953	14	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	**DGWC-39**	**-14.13**	**-114**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	DGWC-40	-2.927	-51	-87	No	21	0	n/a	n/a	0.01	NP
TDS (mg/L)	DGWC-67	3.48	57	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	DGWC-68A	-1.311	-21	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	DGWC-69	-3.544	-33	-98	No	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	DGWC-121	2.667	3	30	No	10	0	n/a	n/a	0.01	NP

Upper Tolerance Limits

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:33 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0045	n/a	n/a	n/a	69	85.51	n/a	0.02904	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.0054	n/a	n/a	n/a	69	76.81	n/a	0.02904	NP Inter(NDs)
Barium (mg/L)	n/a	0.19	n/a	n/a	n/a	69	0	n/a	0.02904	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0004	n/a	n/a	n/a	70	57.14	n/a	0.02758	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	70	94.29	n/a	0.02758	NP Inter(NDs)
Chromium (mg/L)	n/a	0.005	n/a	n/a	n/a	68	75	n/a	0.03056	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.016	n/a	n/a	n/a	61	54.1	n/a	0.04377	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	4.413	n/a	n/a	n/a	69	0	x^(1/3)	0.05	Inter
Fluoride (mg/L)	n/a	0.42	n/a	n/a	n/a	73	41.1	n/a	0.02365	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	69	86.96	n/a	0.02904	NP Inter(NDs)
Lithium (mg/L)	n/a	0.011	n/a	n/a	n/a	69	34.78	n/a	0.02904	NP Inter(normality)
Mercury (mg/L)	n/a	0.0004	n/a	n/a	n/a	69	82.61	n/a	0.02904	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.0409	n/a	n/a	n/a	69	65.22	n/a	0.02904	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	69	100	n/a	0.02904	NP Inter(NDs)
Thallium (mg/L)	n/a	0.00053	n/a	n/a	n/a	69	95.65	n/a	0.02904	NP Inter(NDs)

PLANT MCDONOUGH ASH POND AP-1 GWPS TABLE				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0045	0.006
Arsenic, Total (mg/L)	0.01		0.0054	0.01
Barium, Total (mg/L)	2		0.19	2
Beryllium, Total (mg/L)	0.004		0.0004	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.005	0.1
Cobalt, Total (mg/L)		0.006	0.016	0.016
Combined Radium, Total (pCi/L)	5		4.41	5
Fluoride, Total (mg/L)	4		0.42	4
Lead, Total (mg/L)		0.015	0.001	0.015
Lithium, Total (mg/L)		0.04	0.011	0.04
Mercury, Total (mg/L)	0.002		0.0004	0.002
Molybdenum, Total (mg/L)		0.1	0.041	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.00053	0.002

**Highlighted cells indicated Background is higher than MCLs or CCR-Rule*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residual*

**GWPS = Groundwater Protection Standard*

Confidence Intervals - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:38 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Arsenic (mg/L)	**DGWC-69**	**0.029**	**0.017**	**0.01**	**Yes**	**25**	**0**	**No**	**0.01**	**NP (normality)**
Cobalt (mg/L)	**DGWC-40**	**0.04297**	**0.03715**	**0.016**	**Yes**	**23**	**0**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**B-100**	**0.077**	**0.028**	**0.016**	**Yes**	**14**	**7.143**	**No**	**0.01**	**NP (normality)**
Molybdenum (mg/L)	**DGWC-68A**	**0.2138**	**0.193**	**0.1**	**Yes**	**23**	**0**	**ln(x)**	**0.01**	**Param.**

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:38 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	DGWC-37	0.002	0.0014	0.006	No	22	95.45	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-39	0.002	0.00088	0.006	No	22	90.91	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-40	0.002	0.00033	0.006	No	22	95.45	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-67	0.0023	0.0008	0.006	No	22	81.82	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-68A	0.002	0.0008	0.006	No	22	90.91	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-69	0.002	0.0019	0.006	No	23	86.96	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-121	0.002	0.00082	0.006	No	10	80	No	0.011	NP (NDs)
Antimony (mg/L)	B-100	0.002	0.0017	0.006	No	12	83.33	No	0.01	NP (NDs)
Antimony (mg/L)	B-105D	0.002	0.00069	0.006	No	11	63.64	No	0.006	NP (NDs)
Antimony (mg/L)	B-112D	0.002	0.002	0.006	No	10	90	No	0.011	NP (NDs)
Antimony (mg/L)	B-62	0.002	0.00046	0.006	No	15	93.33	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-37	0.002	0.0019	0.01	No	23	91.3	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-38	0.002	0.0005	0.01	No	23	95.65	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-39	0.002	0.0009	0.01	No	23	60.87	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-40	0.003	0.0011	0.01	No	23	82.61	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-67	0.0033	0.0008	0.01	No	23	86.96	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-68A	0.002	0.0016	0.01	No	24	91.67	No	0.01	NP (NDs)
Arsenic (mg/L)	**DGWC-69**	**0.029**	**0.017**	**0.01**	**Yes**	**25**	**0**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	B-100	0.005	0.0015	0.01	No	13	92.31	No	0.01	NP (NDs)
Arsenic (mg/L)	B-105D	0.0026	0.002	0.01	No	11	72.73	No	0.006	NP (NDs)
Arsenic (mg/L)	B-112D	0.002	0.002	0.01	No	10	80	No	0.011	NP (NDs)
Arsenic (mg/L)	B-62	0.0033	0.002	0.01	No	15	93.33	No	0.01	NP (NDs)
Barium (mg/L)	DGWC-37	0.102	0.08425	2	No	23	0	No	0.01	Param.
Barium (mg/L)	DGWC-38	0.03277	0.03026	2	No	23	0	x^2	0.01	Param.
Barium (mg/L)	DGWC-39	0.1011	0.08835	2	No	23	0	No	0.01	Param.
Barium (mg/L)	DGWC-40	0.018	0.0168	2	No	23	0	No	0.01	NP (normality)
Barium (mg/L)	DGWC-67	0.1047	0.0878	2	No	23	0	No	0.01	Param.
Barium (mg/L)	DGWC-68A	0.099	0.0878	2	No	23	0	No	0.01	NP (normality)
Barium (mg/L)	DGWC-69	0.09695	0.06544	2	No	24	0	No	0.01	Param.
Barium (mg/L)	DGWC-121	0.05049	0.04311	2	No	10	0	No	0.01	Param.
Barium (mg/L)	B-100	0.027	0.019	2	No	12	0	No	0.01	NP (normality)
Barium (mg/L)	B-105D	0.03914	0.03341	2	No	11	0	No	0.01	Param.
Barium (mg/L)	B-112D	0.0045	0.0027	2	No	10	0	No	0.011	NP (normality)
Barium (mg/L)	B-62	0.02313	0.01714	2	No	15	0	No	0.01	Param.
Beryllium (mg/L)	DGWC-37	0.0004	0.00007	0.004	No	23	60.87	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-38	0.0004	0.000058	0.004	No	23	91.3	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-40	0.003237	0.002945	0.004	No	23	0	No	0.01	Param.
Beryllium (mg/L)	DGWC-68A	0.0004	0.000084	0.004	No	23	91.3	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-69	0.0004	0.000063	0.004	No	24	62.5	No	0.01	NP (NDs)
Beryllium (mg/L)	B-100	0.0005173	0.0003816	0.004	No	12	16.67	No	0.01	Param.
Beryllium (mg/L)	B-62	0.0001718	0.0001167	0.004	No	16	12.5	No	0.01	Param.
Cadmium (mg/L)	DGWC-37	0.0005	0.00027	0.005	No	23	73.91	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-38	0.00024	0.00017	0.005	No	23	13.04	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-40	0.0008253	0.000739	0.005	No	23	0	No	0.01	Param.
Cadmium (mg/L)	DGWC-67	0.0005	0.00029	0.005	No	23	69.57	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-68A	0.0002458	0.0001595	0.005	No	23	30.43	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-69	0.0005	0.00024	0.005	No	24	75	No	0.01	NP (NDs)
Cadmium (mg/L)	B-100	0.0003674	0.0001657	0.005	No	12	25	No	0.01	Param.
Chromium (mg/L)	DGWC-37	0.005	0.0007	0.1	No	23	91.3	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-38	0.005	0.00092	0.1	No	23	86.96	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-40	0.005	0.00072	0.1	No	23	56.52	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-67	0.005	0.0014	0.1	No	23	82.61	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-68A	0.005	0.0005	0.1	No	23	95.65	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-69	0.005	0.0013	0.1	No	24	79.17	No	0.01	NP (NDs)
Chromium (mg/L)	B-100	0.005	0.00094	0.1	No	12	83.33	No	0.01	NP (NDs)
Chromium (mg/L)	B-105D	0.005	0.005	0.1	No	11	90.91	No	0.006	NP (NDs)
Chromium (mg/L)	B-112D	0.005	0.0014	0.1	No	10	80	No	0.011	NP (NDs)
Chromium (mg/L)	B-62	0.005	0.00098	0.1	No	15	93.33	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-37	0.005	0.0005	0.016	No	23	86.96	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-38	0.001681	0.001528	0.016	No	23	0	No	0.01	Param.
Cobalt (mg/L)	DGWC-39	0.006606	0.00602	0.016	No	23	0	No	0.01	Param.
Cobalt (mg/L)	**DGWC-40**	**0.04297**	**0.03715**	**0.016**	**Yes**	**23**	**0**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	DGWC-67	0.002297	0.001344	0.016	No	23	8.696	ln(x)	0.01	Param.
Cobalt (mg/L)	DGWC-68A	0.005	0.0015	0.016	No	23	86.96	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-69	0.005	0.0031	0.016	No	24	66.67	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-121	0.002017	0.001257	0.016	No	10	0	sqrt(x)	0.01	Param.
Cobalt (mg/L)	**B-100**	**0.077**	**0.028**	**0.016**	**Yes**	**14**	**7.143**	**No**	**0.01**	**NP (normality)**
Cobalt (mg/L)	B-105D	0.006557	0.002614	0.016	No	11	0	sqrt(x)	0.01	Param.

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:38 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Cobalt (mg/L)	B-112D	0.005	0.00054	0.016	No	10	70	No	0.011	NP (NDs)
Cobalt (mg/L)	B-62	0.005	0.00031	0.016	No	15	86.67	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	DGWC-37	0.9816	0.5363	5	No	23	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-38	0.8377	0.3659	5	No	23	0	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-39	1.101	0.5732	5	No	23	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-40	1.308	0.6642	5	No	23	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-67	0.8865	0.5324	5	No	23	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-68A	1.192	0.5866	5	No	23	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-69	1.959	1.19	5	No	24	0	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-121	1.452	0.5233	5	No	10	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-100	0.9911	0.3791	5	No	12	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-105D	4.875	1.914	5	No	11	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-112D	1.374	0.5846	5	No	10	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-62	2.263	1.569	5	No	14	0	No	0.01	Param.
Fluoride (mg/L)	DGWC-37	0.084	0.054	4	No	24	8.333	No	0.01	NP (normality)
Fluoride (mg/L)	DGWC-38	0.1359	0.07951	4	No	24	8.333	ln(x)	0.01	Param.
Fluoride (mg/L)	DGWC-39	0.14	0.085	4	No	24	0	No	0.01	NP (normality)
Fluoride (mg/L)	DGWC-40	0.21	0.12	4	No	24	0	No	0.01	NP (normality)
Fluoride (mg/L)	DGWC-67	0.1	0.067	4	No	24	45.83	No	0.01	NP (normality)
Fluoride (mg/L)	DGWC-68A	0.12	0.076	4	No	24	0	No	0.01	NP (normality)
Fluoride (mg/L)	DGWC-69	0.1639	0.09691	4	No	25	0	No	0.01	Param.
Fluoride (mg/L)	DGWC-121	0.09119	0.06251	4	No	10	30	No	0.01	Param.
Fluoride (mg/L)	B-100	0.1	0.063	4	No	12	66.67	No	0.01	NP (NDs)
Fluoride (mg/L)	B-105D	0.13	0.058	4	No	11	0	No	0.006	NP (normality)
Fluoride (mg/L)	B-112D	0.3254	0.2646	4	No	10	0	No	0.01	Param.
Fluoride (mg/L)	B-62	0.2001	0.1134	4	No	14	0	ln(x)	0.01	Param.
Lead (mg/L)	DGWC-37	0.0014	0.000061	0.015	No	23	91.3	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-38	0.001	0.00014	0.015	No	23	78.26	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-39	0.001	0.00022	0.015	No	23	91.3	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-40	0.001	0.00015	0.015	No	23	65.22	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-67	0.001	0.00025	0.015	No	23	78.26	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-68A	0.0018	0.00035	0.015	No	23	86.96	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-69	0.001	0.00017	0.015	No	24	70.83	No	0.01	NP (NDs)
Lead (mg/L)	B-100	0.001	0.00018	0.015	No	12	75	No	0.01	NP (NDs)
Lead (mg/L)	B-105D	0.001	0.001	0.015	No	11	90.91	No	0.006	NP (NDs)
Lead (mg/L)	B-112D	0.0021	0.001	0.015	No	10	70	No	0.011	NP (NDs)
Lead (mg/L)	B-62	0.0031	0.001	0.015	No	15	93.33	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-37	0.002253	0.001858	0.04	No	23	21.74	No	0.01	Param.
Lithium (mg/L)	DGWC-38	0.003221	0.002913	0.04	No	23	0	No	0.01	Param.
Lithium (mg/L)	DGWC-40	0.0024	0.0021	0.04	No	23	4.348	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-67	0.004808	0.004446	0.04	No	23	0	No	0.01	Param.
Lithium (mg/L)	DGWC-68A	0.002	0.0016	0.04	No	23	82.61	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-69	0.003095	0.002475	0.04	No	24	0	No	0.01	Param.
Lithium (mg/L)	DGWC-121	0.01	0.0045	0.04	No	10	0	No	0.011	NP (normality)
Lithium (mg/L)	B-100	0.002419	0.001708	0.04	No	12	16.67	No	0.01	Param.
Lithium (mg/L)	B-105D	0.01395	0.01227	0.04	No	11	0	No	0.01	Param.
Lithium (mg/L)	B-112D	0.004347	0.003863	0.04	No	10	0	No	0.01	Param.
Lithium (mg/L)	B-62	0.0094	0.0078	0.04	No	15	6.667	No	0.01	NP (normality)
Mercury (mg/L)	DGWC-37	0.0002	0.000091	0.002	No	22	86.36	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-38	0.0002	0.000085	0.002	No	22	86.36	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-39	0.0002	0.000059	0.002	No	22	95.45	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-40	0.0002	0.00009	0.002	No	22	86.36	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-67	0.0002	0.00007	0.002	No	22	95.45	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-68A	0.0002	0.00007	0.002	No	22	95.45	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-69	0.0002	0.00007	0.002	No	23	95.65	No	0.01	NP (NDs)
Mercury (mg/L)	B-100	0.0002	0.0002	0.002	No	11	90.91	No	0.006	NP (NDs)
Mercury (mg/L)	B-105D	0.0002	0.00014	0.002	No	10	80	No	0.011	NP (NDs)
Molybdenum (mg/L)	DGWC-38	0.01	0.0011	0.1	No	23	39.13	No	0.01	NP (normality)
Molybdenum (mg/L)	DGWC-39	0.01	0.0016	0.1	No	23	95.65	No	0.01	NP (NDs)
Molybdenum (mg/L)	DGWC-67	0.01	0.0013	0.1	No	23	95.65	No	0.01	NP (NDs)
Molybdenum (mg/L)	**DGWC-68A**	**0.2138**	**0.193**	**0.1**	**Yes**	**23**	**0**	**ln(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	DGWC-69	0.0117	0.0058	0.1	No	24	0	No	0.01	NP (normality)
Molybdenum (mg/L)	DGWC-121	0.01	0.00092	0.1	No	10	70	No	0.011	NP (NDs)
Molybdenum (mg/L)	B-100	0.19	0.01	0.1	No	12	91.67	No	0.01	NP (NDs)
Molybdenum (mg/L)	B-105D	0.01	0.01	0.1	No	11	90.91	No	0.006	NP (NDs)
Molybdenum (mg/L)	B-112D	0.0324	0.0258	0.1	No	10	0	No	0.01	Param.
Selenium (mg/L)	DGWC-38	0.005	0.0019	0.05	No	23	95.65	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-40	0.003211	0.001972	0.05	No	23	26.09	sqrt(x)	0.01	Param.

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:38 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Selenium (mg/L)	DGWC-67	0.005	0.0027	0.05	No	23	95.65	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-68A	0.005	0.0017	0.05	No	23	95.65	No	0.01	NP (NDs)
Selenium (mg/L)	B-100	0.005	0.0019	0.05	No	12	91.67	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-38	0.0005	0.00015	0.002	No	23	60.87	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-39	0.0005	0.0001	0.002	No	23	78.26	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-40	0.0005	0.00019	0.002	No	23	73.91	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-68A	0.0005	0.00015	0.002	No	23	95.65	No	0.01	NP (NDs)
Thallium (mg/L)	B-112D	0.0005	0.0005	0.002	No	10	90	No	0.011	NP (NDs)

Appendix IV Trend Tests - Confidence Interval Exceedances - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:41 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	**DGWC-69**	**0.002686**	**106**	**85**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**DGWA-53 (bg)**	**-0.002826**	**-169**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**DGWA-71 (bg)**	**0**	**80**	**76**	**Yes**	**23**	**78.26**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**B-100**	**-0.008756**	**-40**	**-37**	**Yes**	**14**	**7.143**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**DGWA-53 (bg)**	**-0.001775**	**-98**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**DGWC-68A**	**-0.0036**	**-108**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Confidence Interval Exceedances - All Results

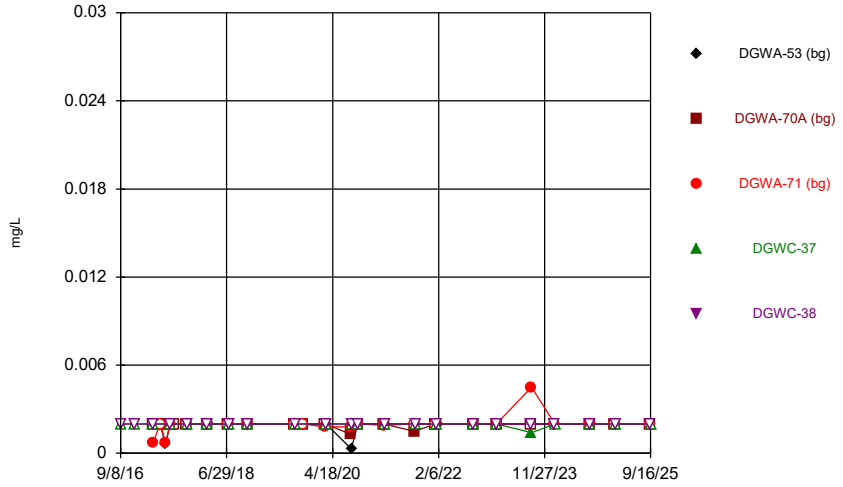
Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:41 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	DGWA-53 (bg)	0	63	76	No	23	56.52	n/a	n/a	0.05	NP
Arsenic (mg/L)	DGWA-70A (bg)	0	21	76	No	23	86.96	n/a	n/a	0.05	NP
Arsenic (mg/L)	DGWA-71 (bg)	0	31	76	No	23	86.96	n/a	n/a	0.05	NP
Arsenic (mg/L)	**DGWC-69**	**0.002686**	**106**	**85**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**DGWA-53 (bg)**	**-0.002826**	**-169**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	DGWA-70A (bg)	0	71	76	No	23	65.22	n/a	n/a	0.05	NP
Cobalt (mg/L)	**DGWA-71 (bg)**	**0**	**80**	**76**	**Yes**	**23**	**78.26**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	DGWC-40	-0.0002161	-26	-76	No	23	0	n/a	n/a	0.05	NP
Cobalt (mg/L)	**B-100**	**-0.008756**	**-40**	**-37**	**Yes**	**14**	**7.143**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**DGWA-53 (bg)**	**-0.001775**	**-98**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	DGWA-70A (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	DGWA-71 (bg)	0	22	76	No	23	95.65	n/a	n/a	0.05	NP
Molybdenum (mg/L)	**DGWC-68A**	**-0.0036**	**-108**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**

FIGURE A.

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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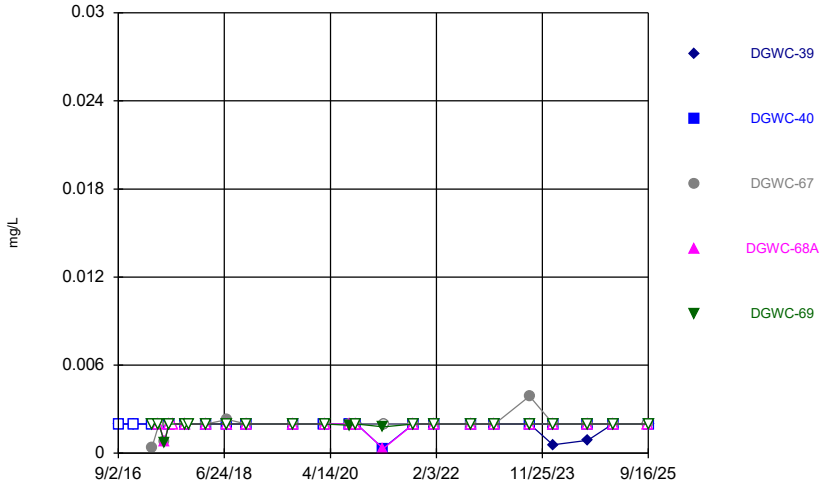
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Constituent: Antimony Analysis Run 12/8/2025 3:46 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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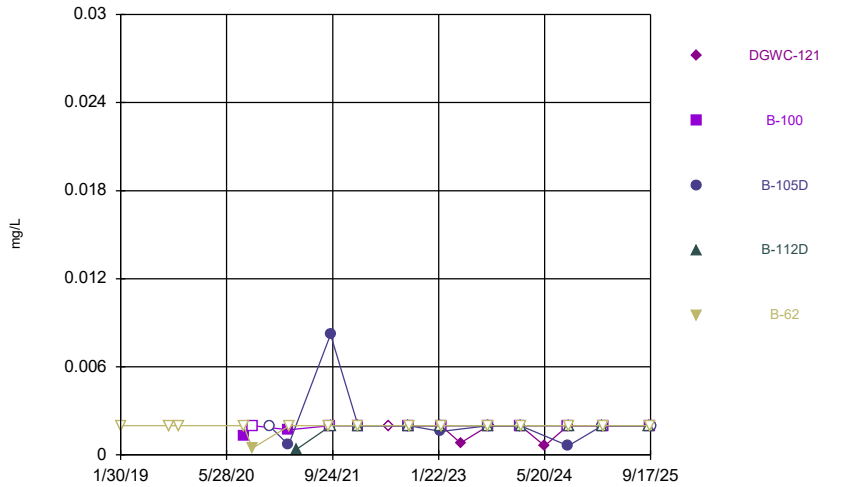
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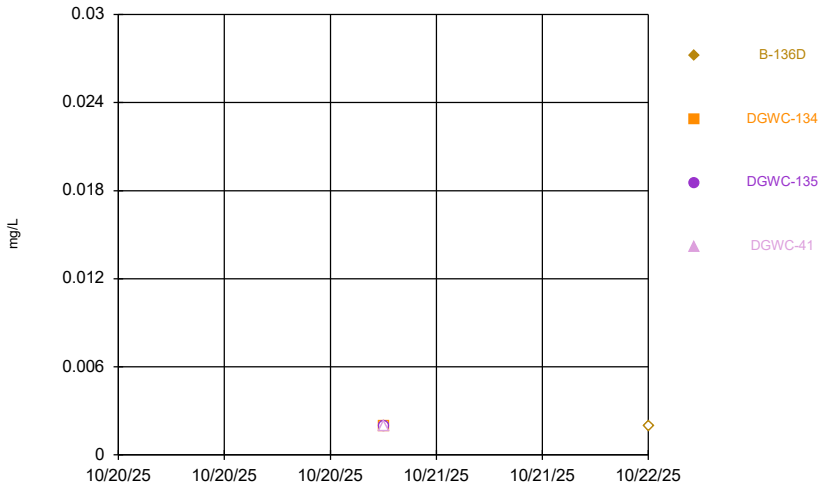
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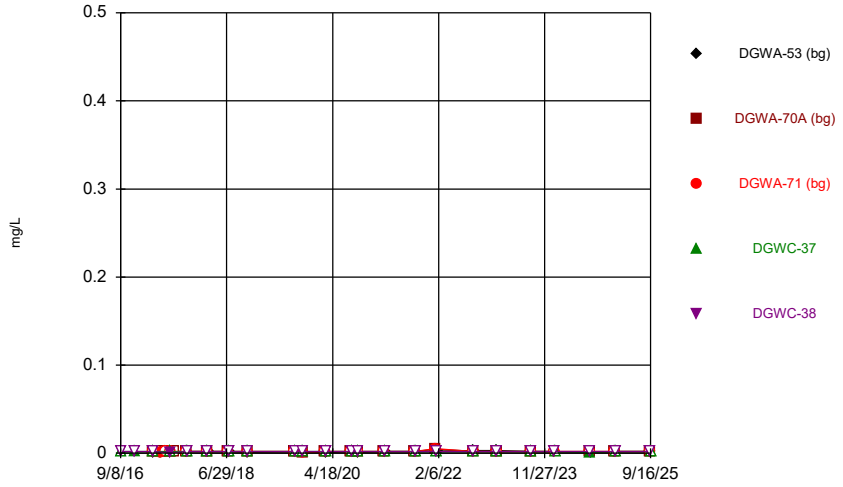
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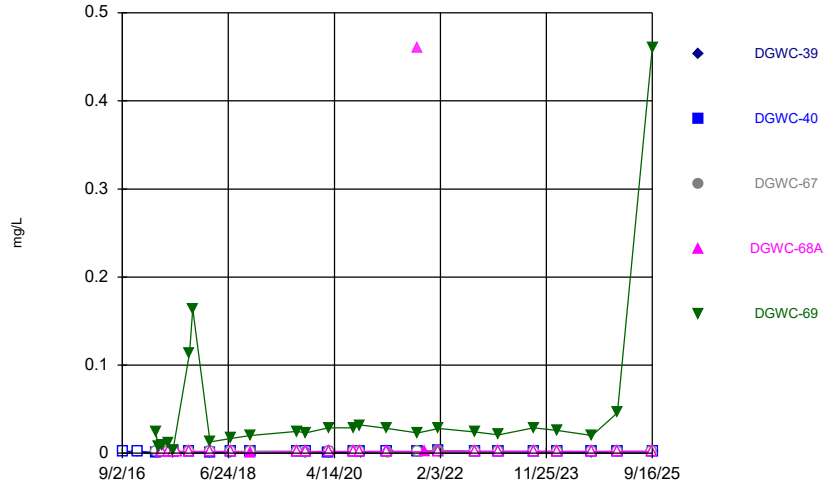
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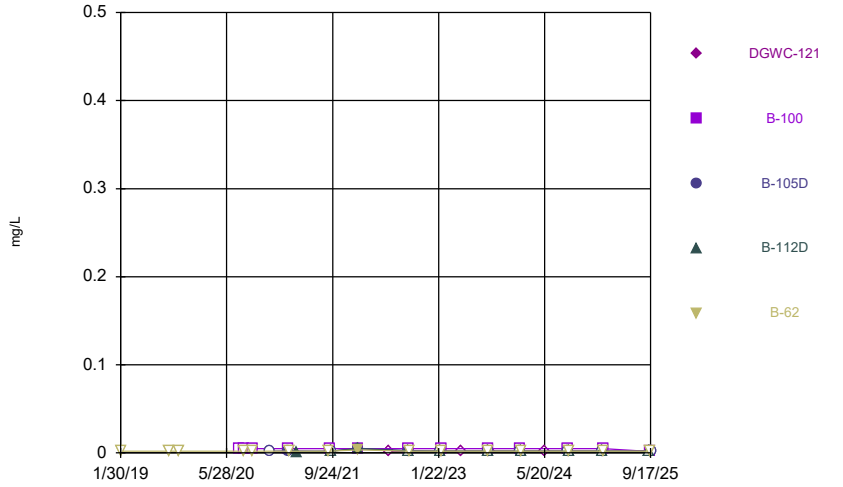
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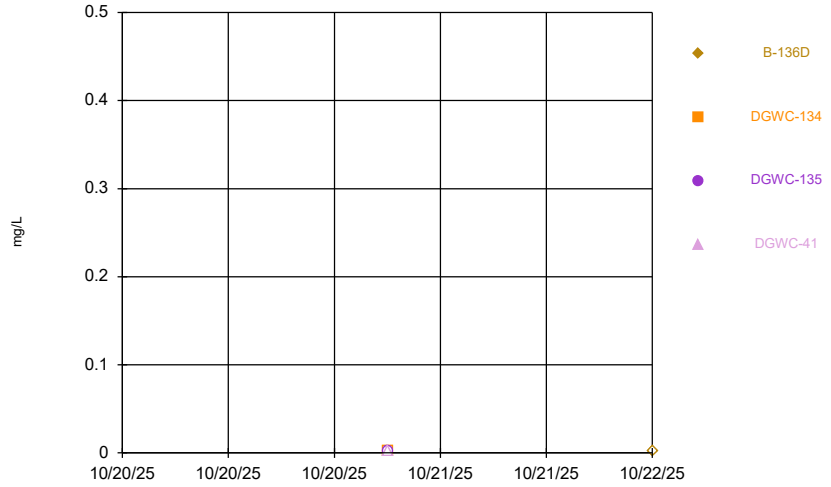
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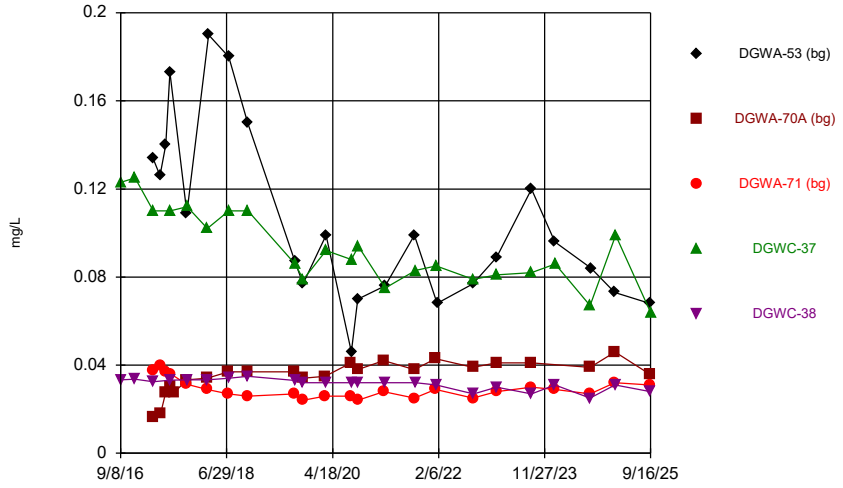
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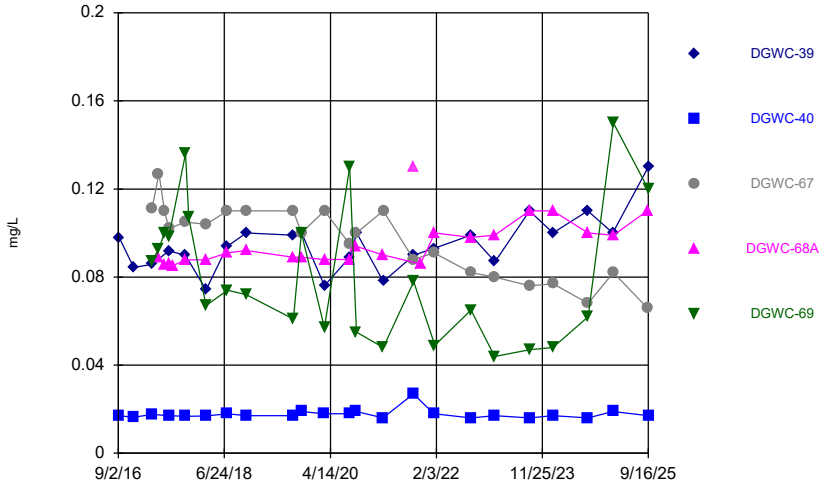
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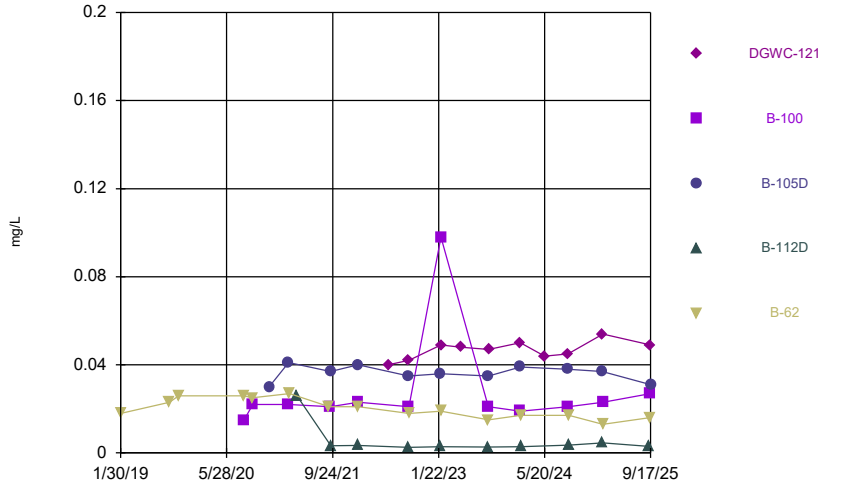
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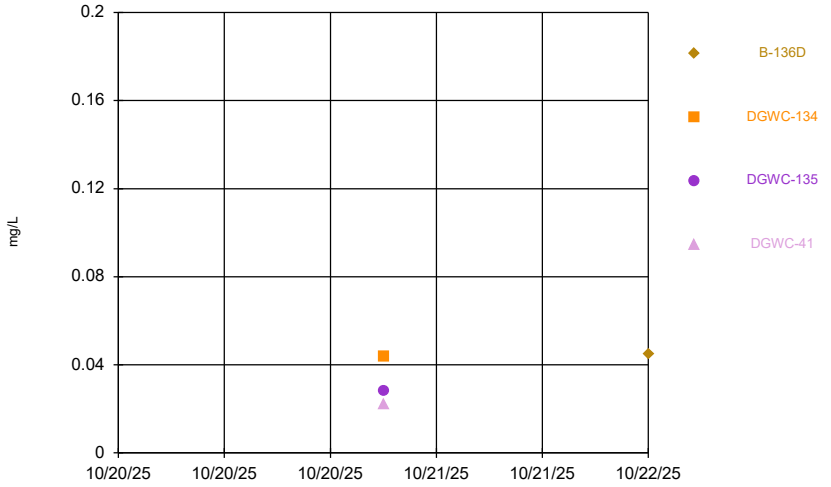
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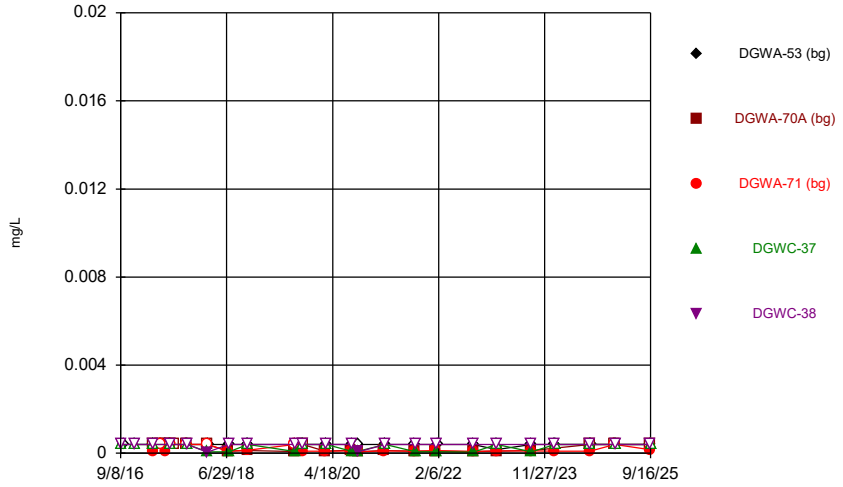
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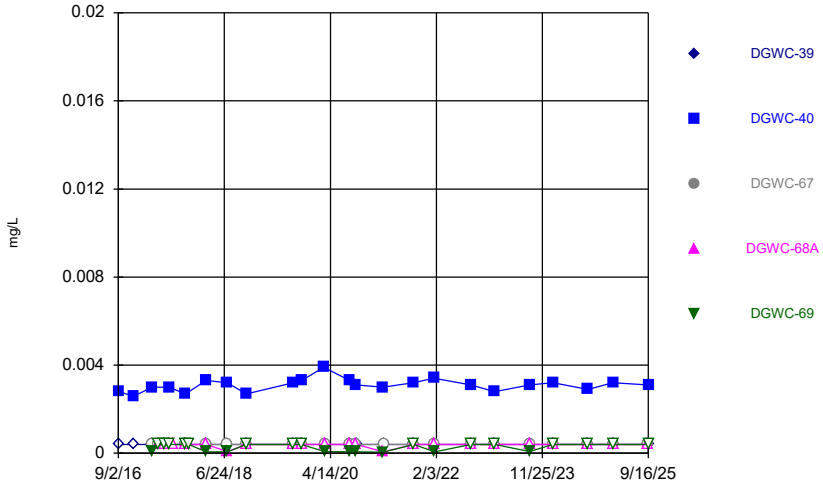
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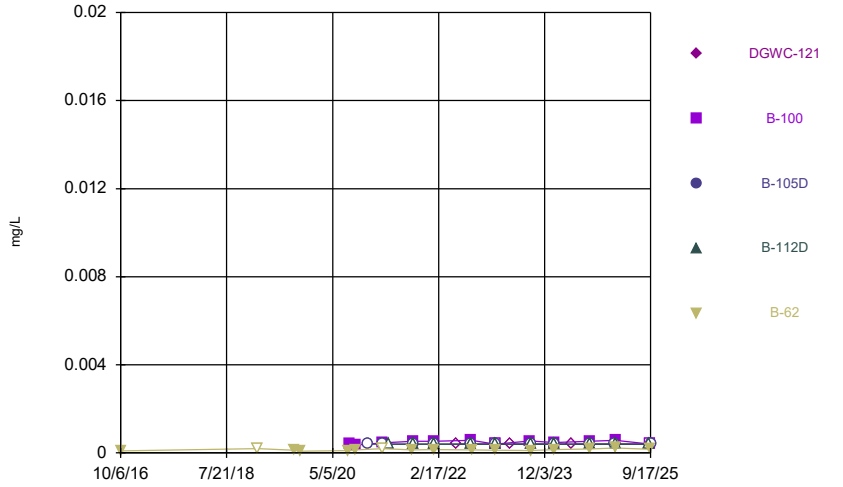
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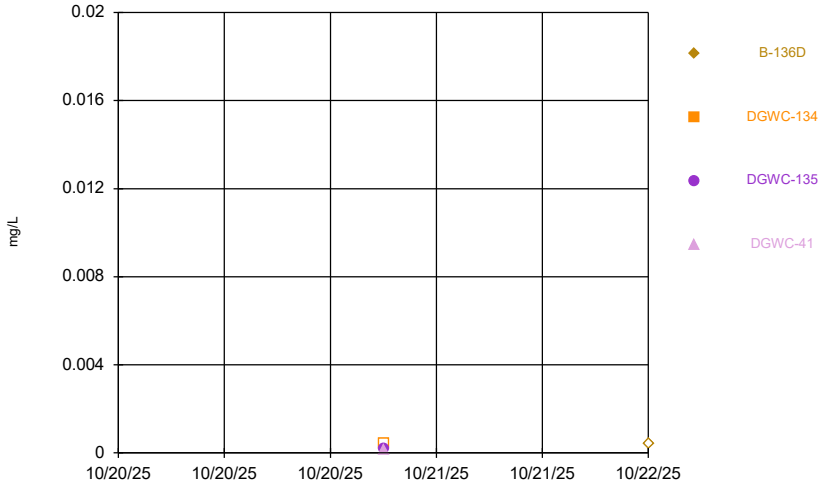
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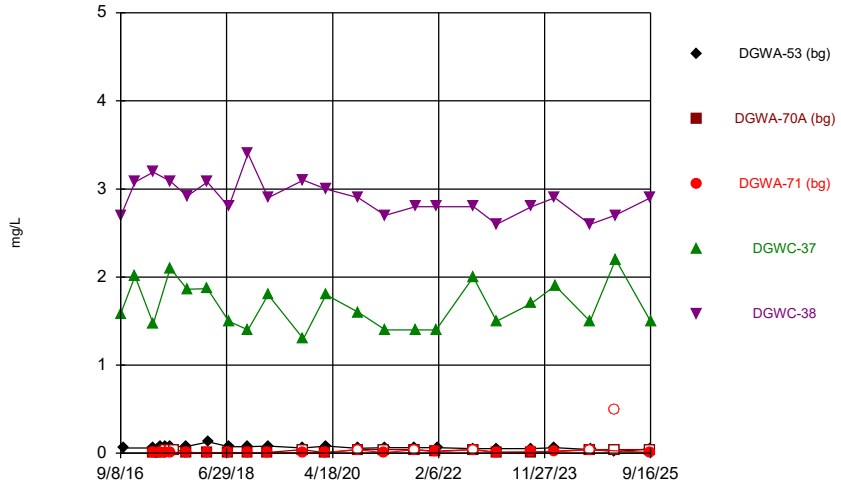
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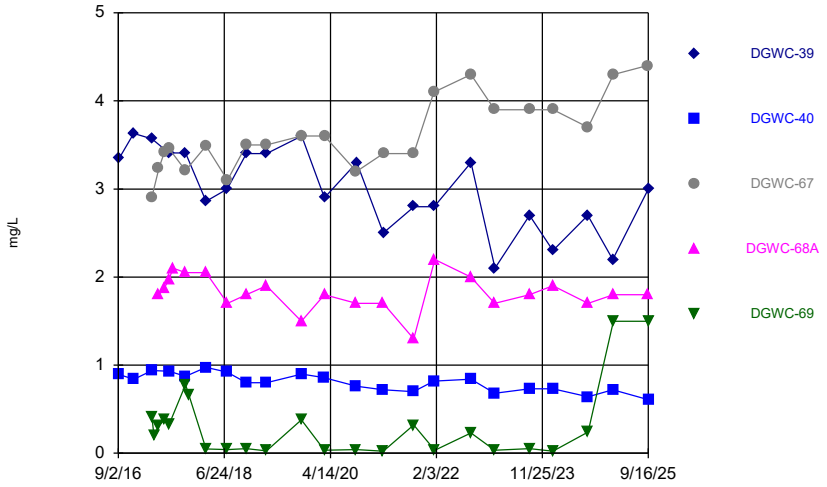
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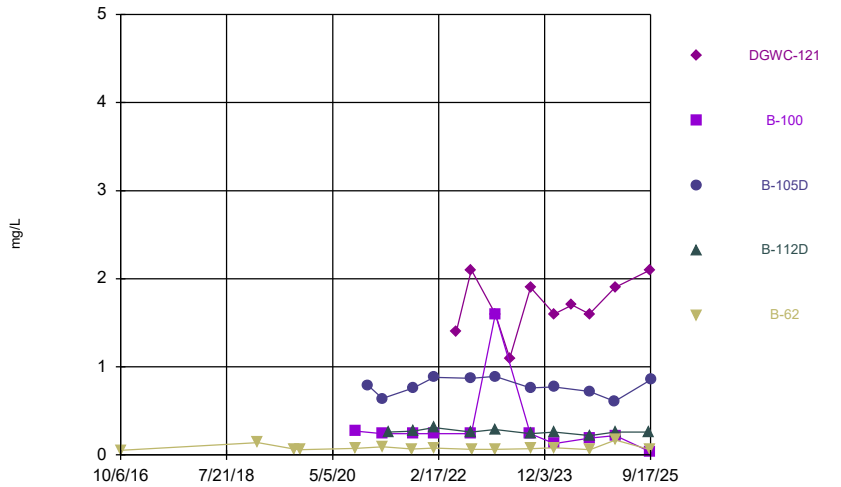
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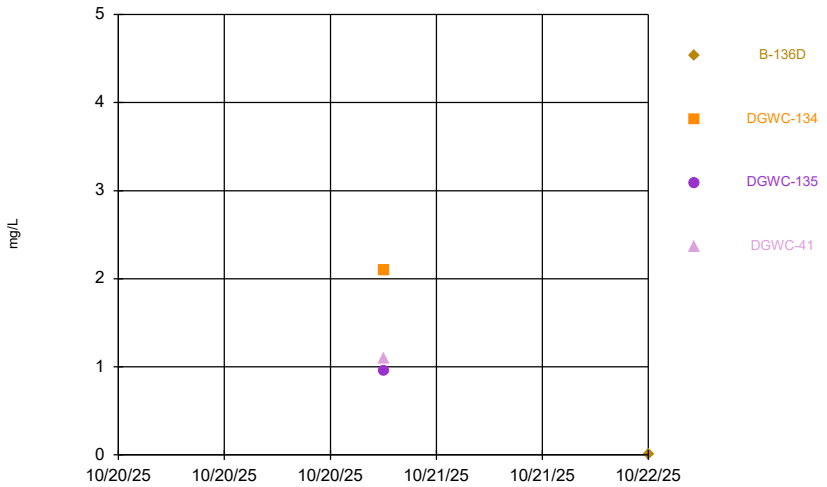
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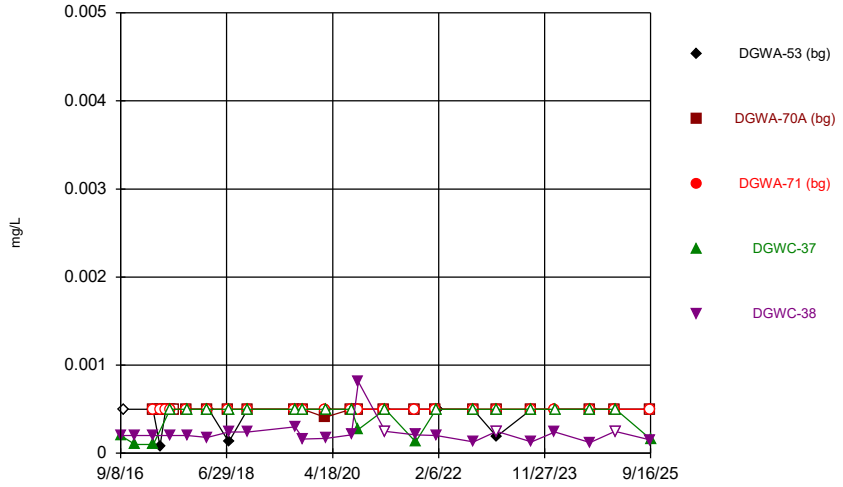
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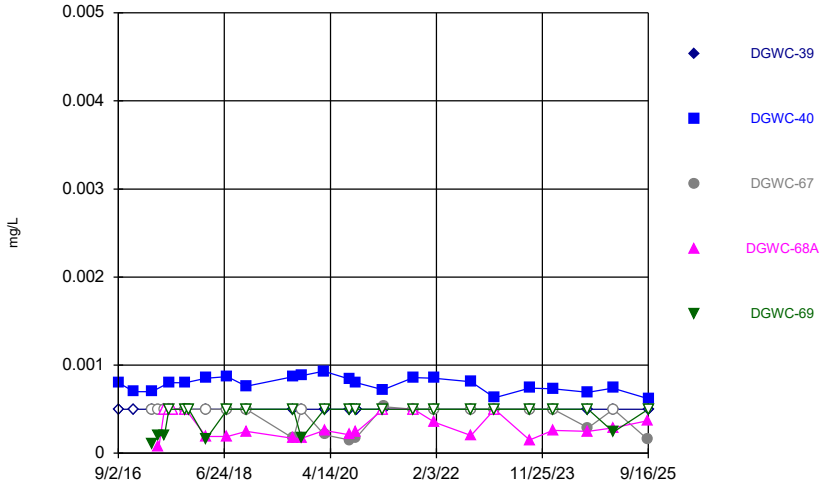
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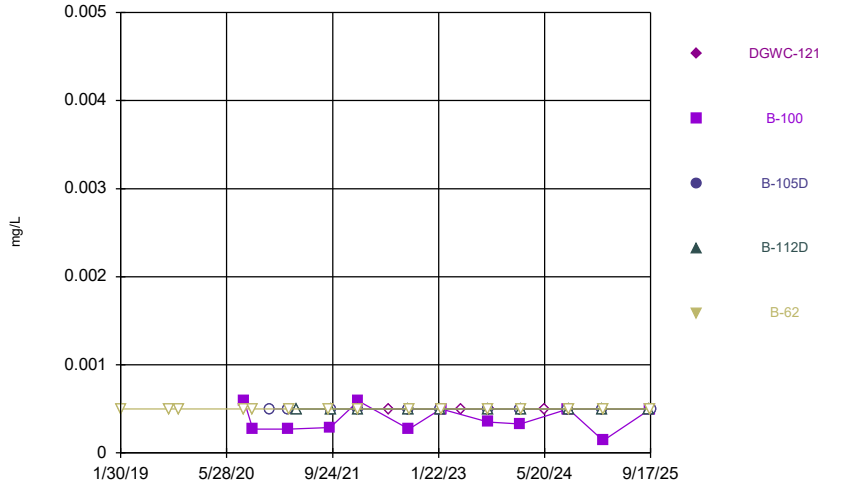
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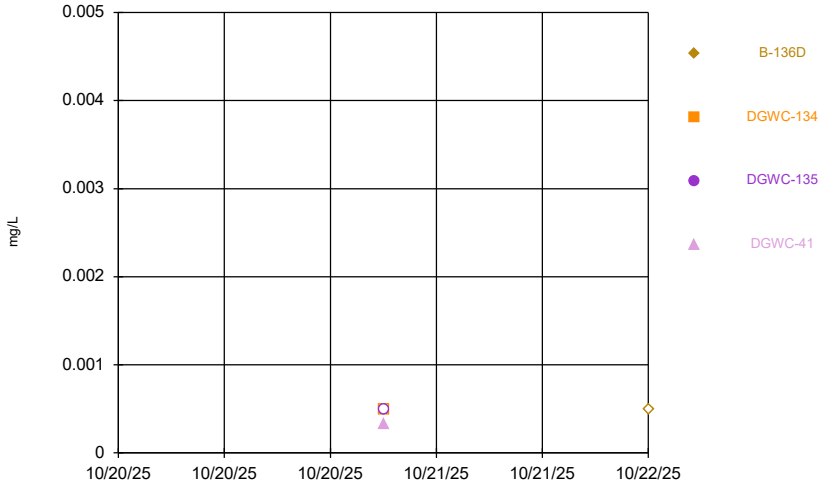
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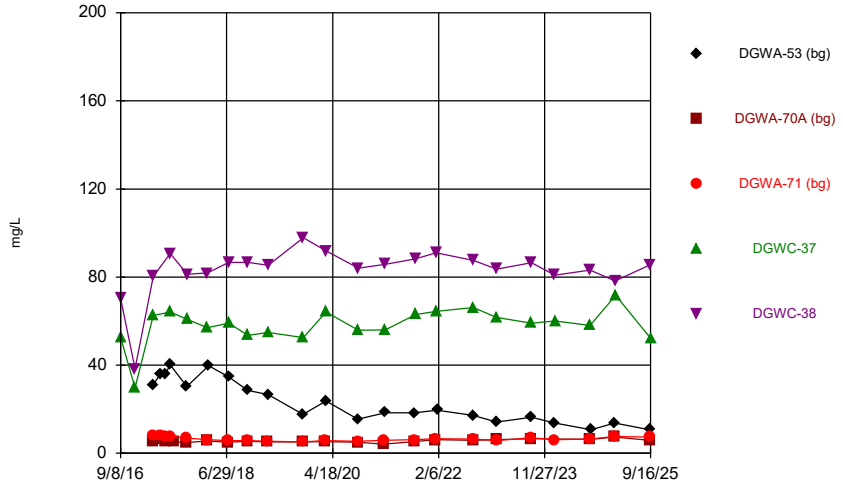
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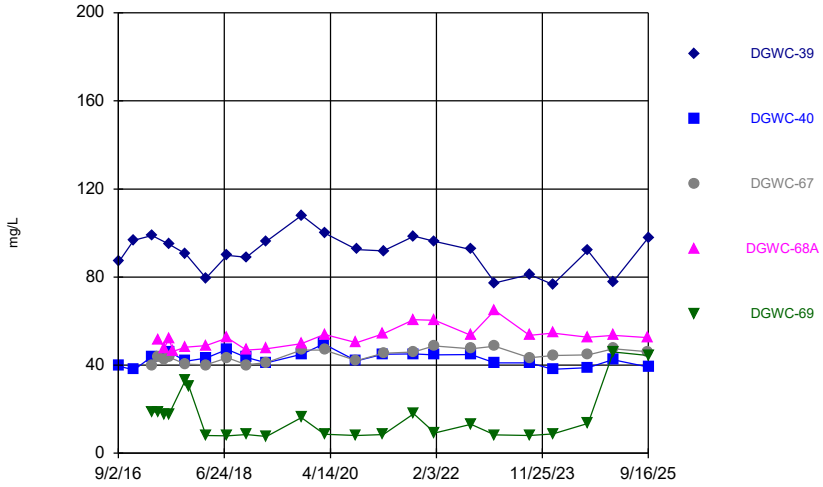
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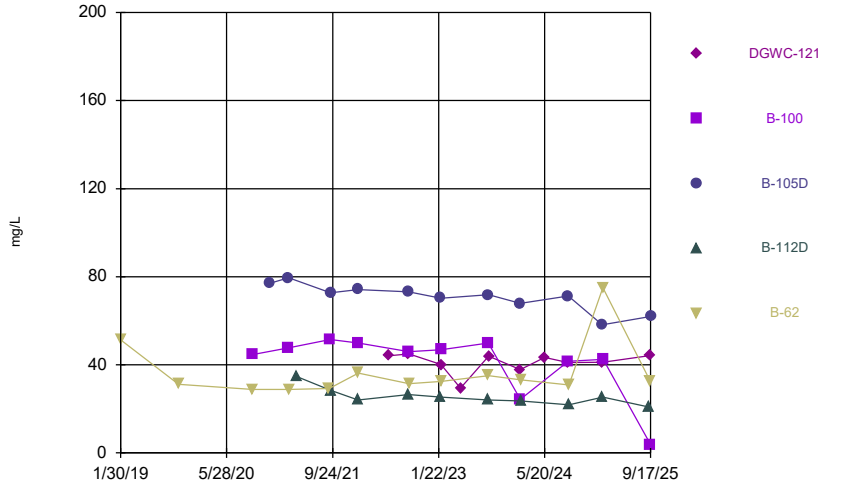
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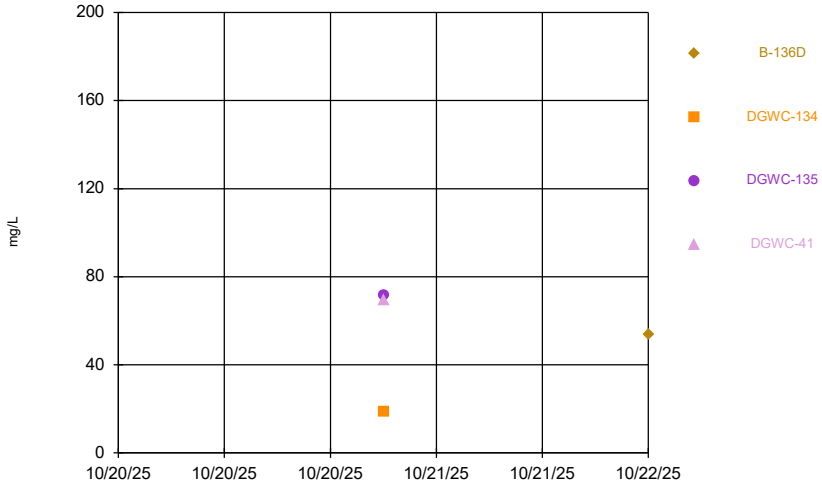
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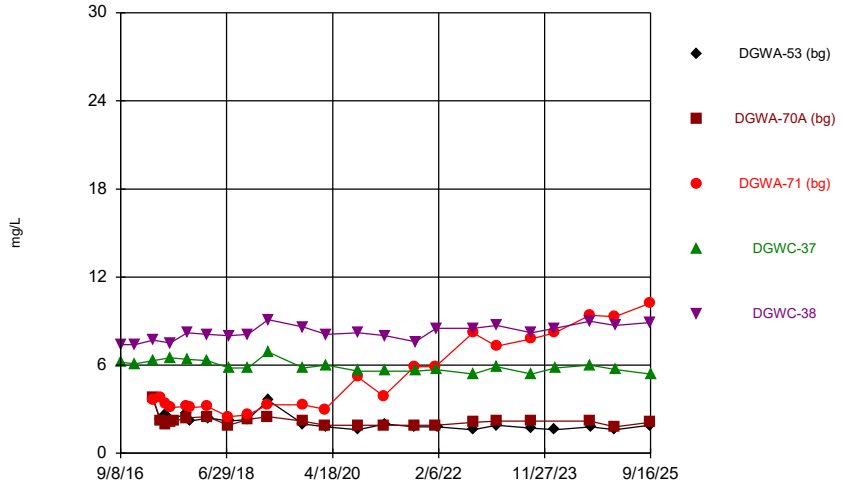
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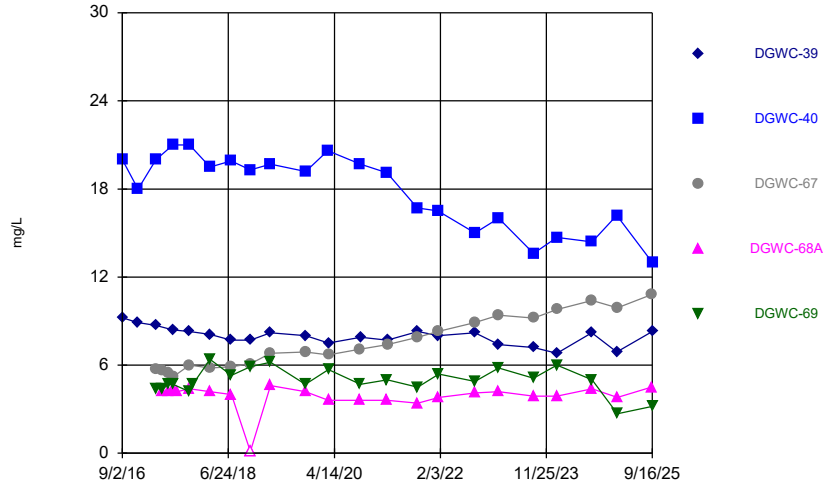
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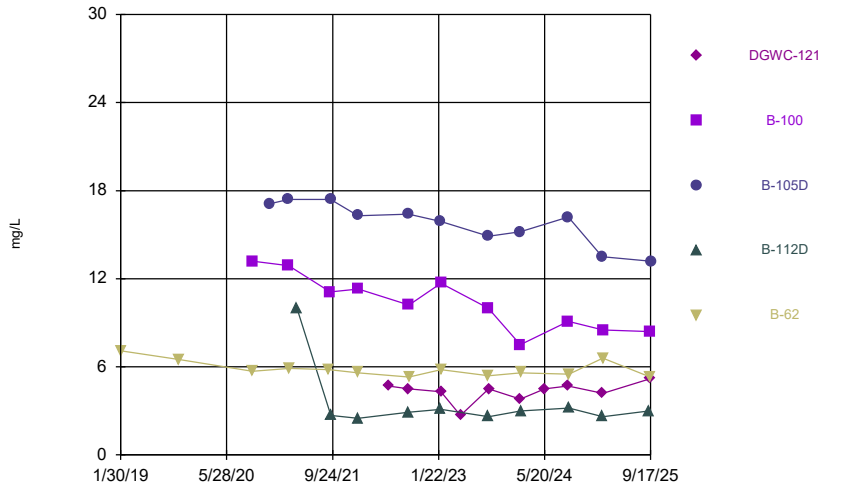
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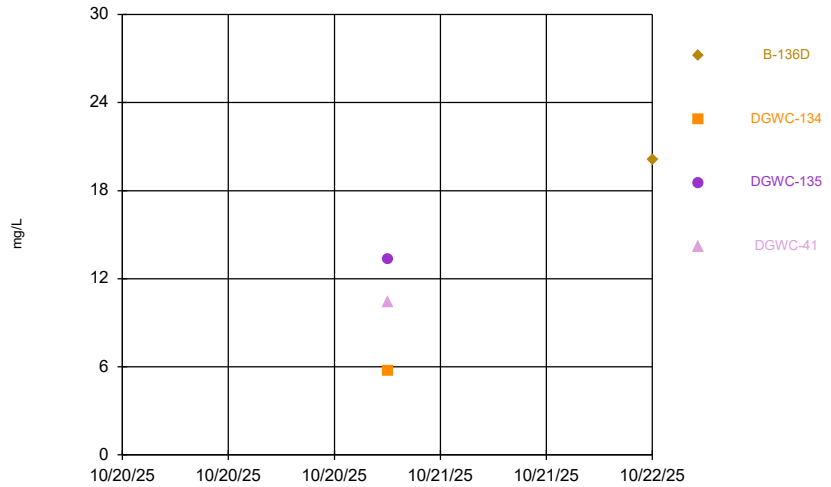
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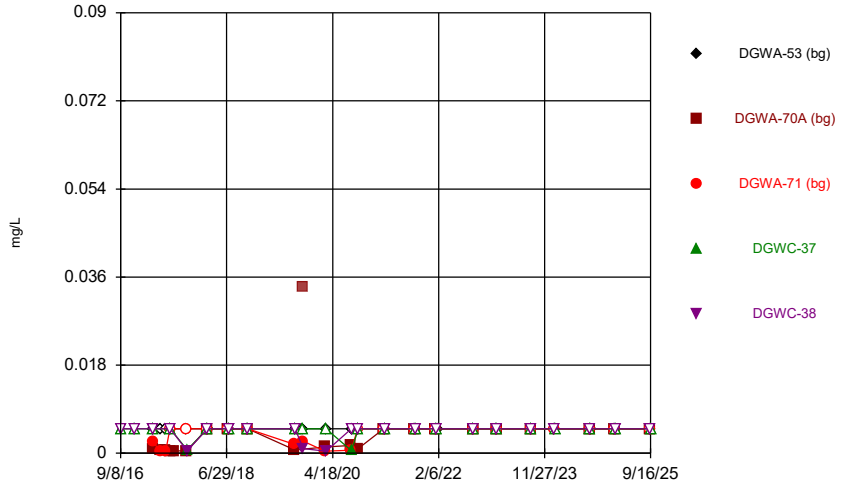
Time Series



Constituent: Chloride Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

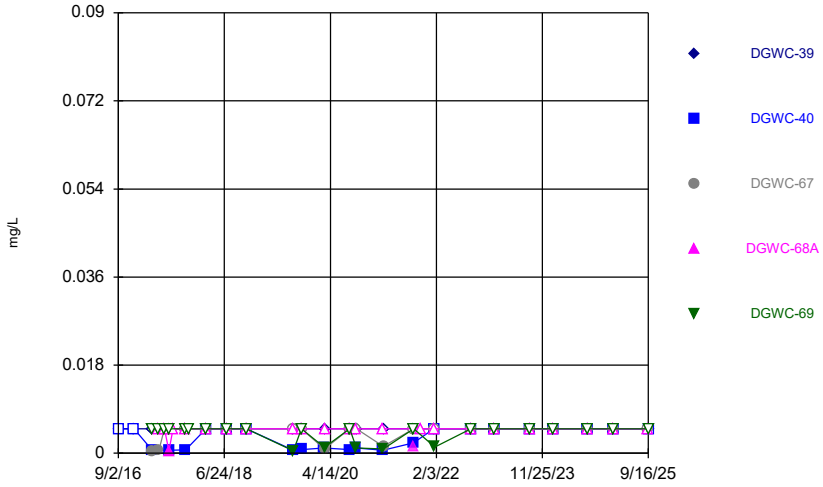
Time Series



Constituent: Chromium Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

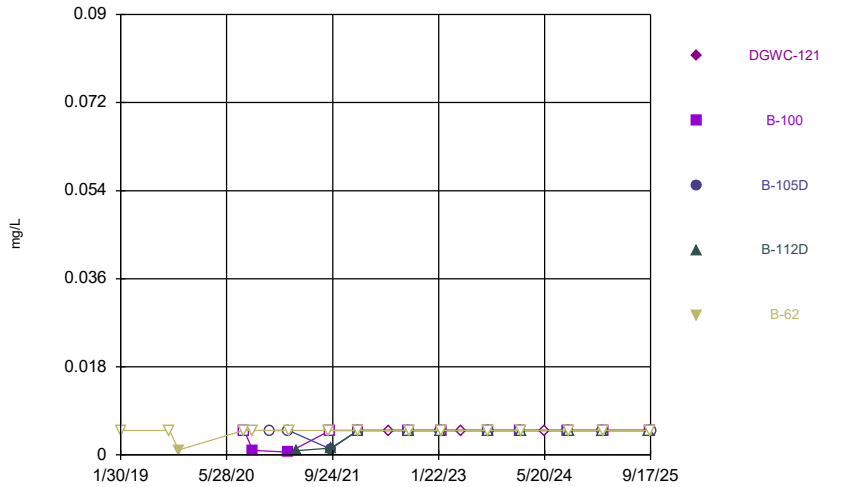
Time Series



Constituent: Chromium Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

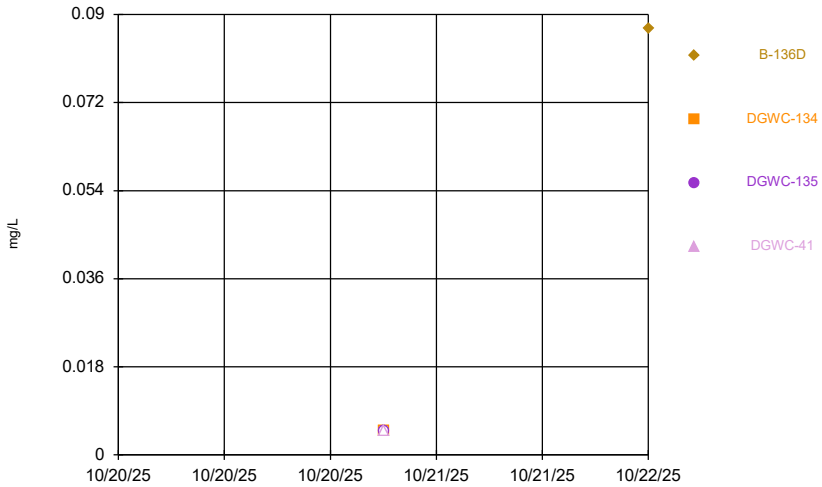
Time Series



Constituent: Chromium Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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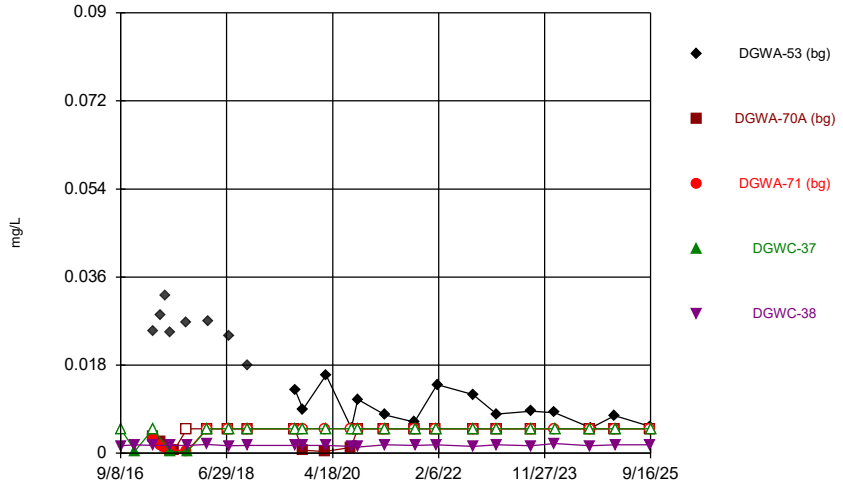
Time Series



Constituent: Chromium Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

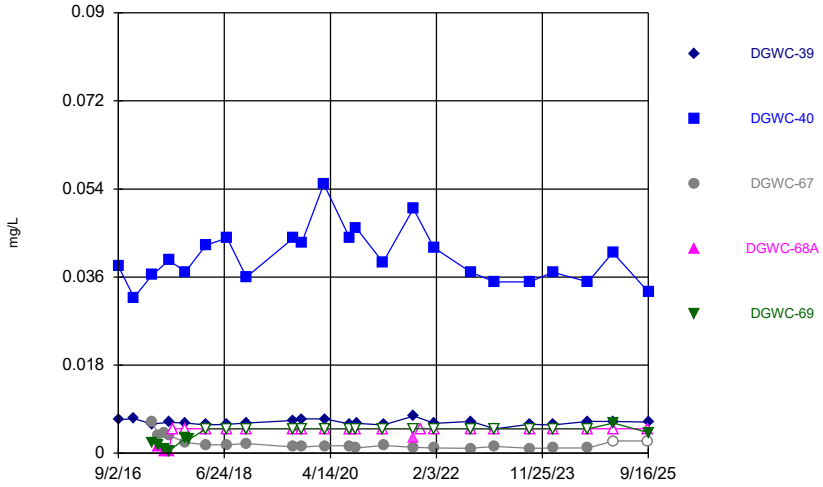
Time Series



Constituent: Cobalt Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

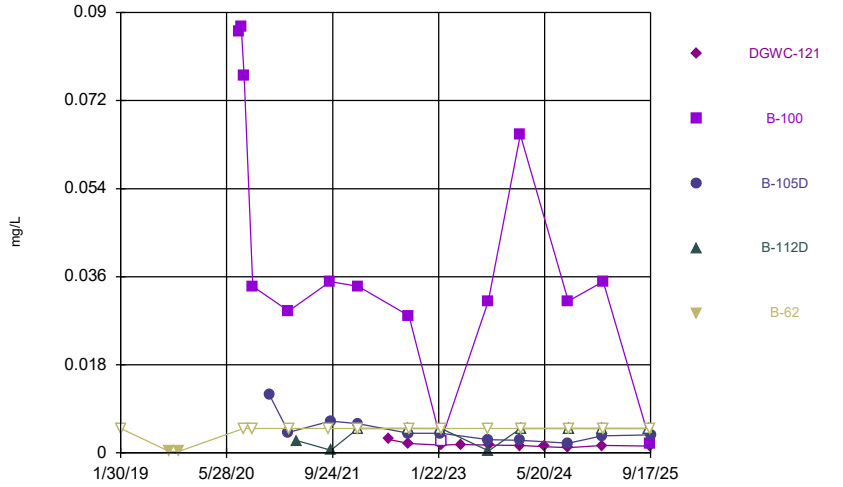
Time Series



Constituent: Cobalt Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

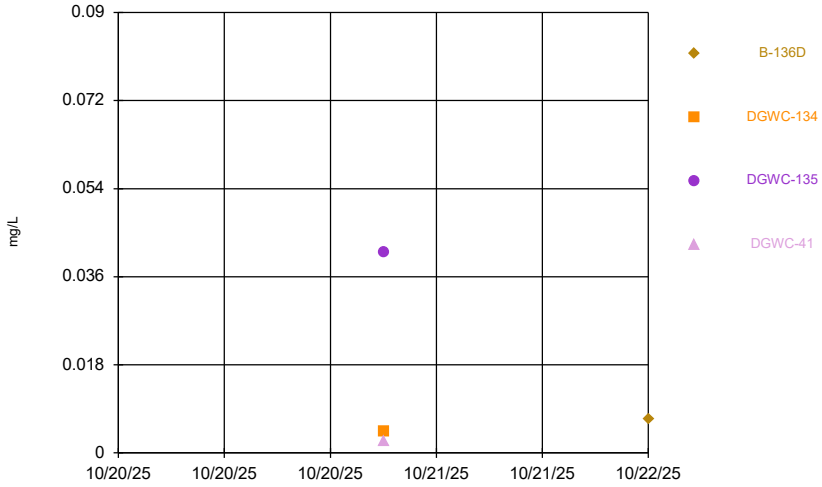
Time Series



Constituent: Cobalt Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

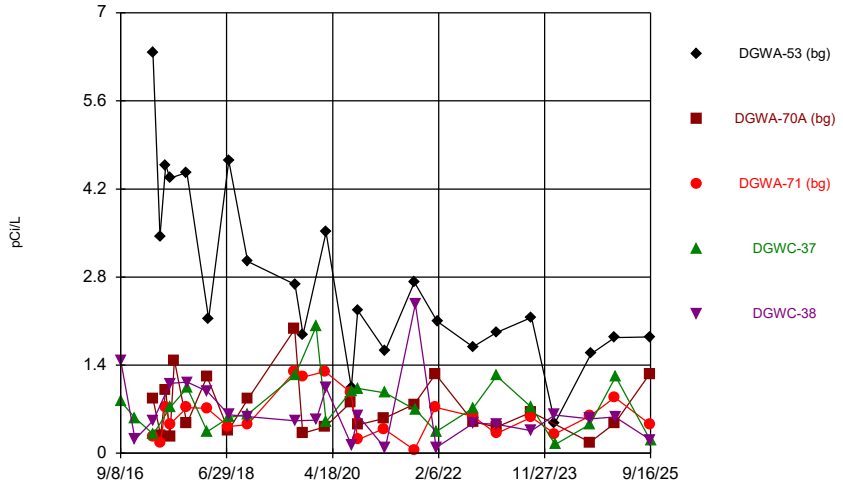
Time Series



Constituent: Cobalt Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

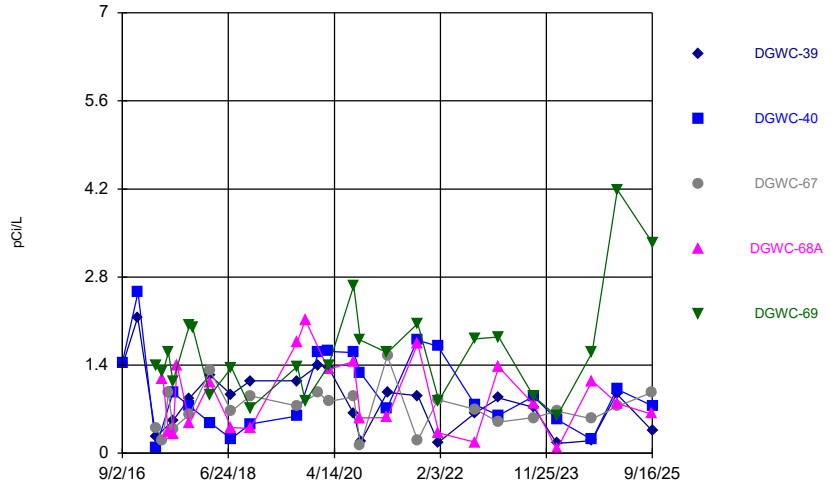
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

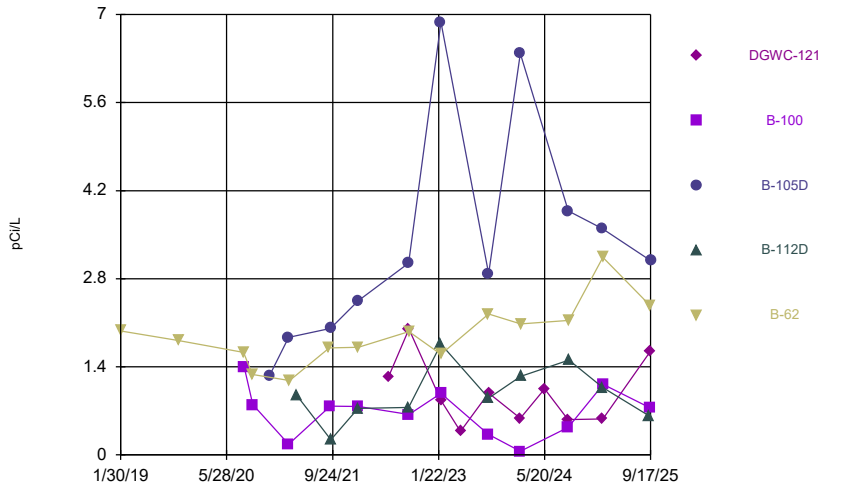
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

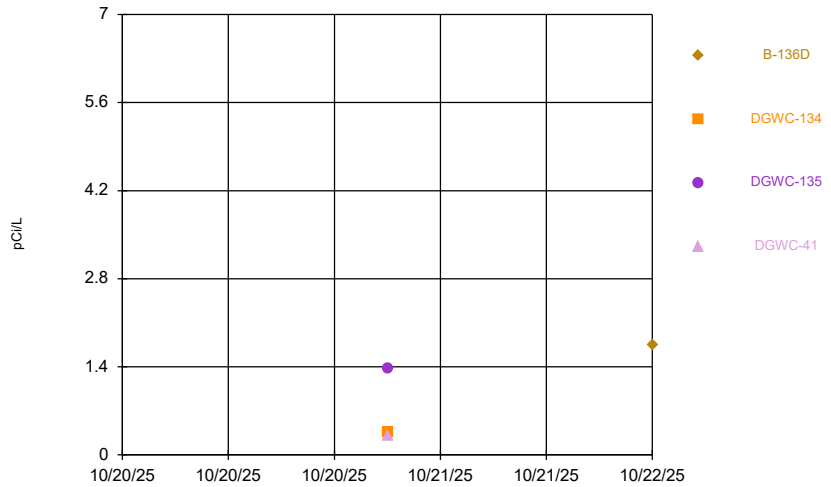
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

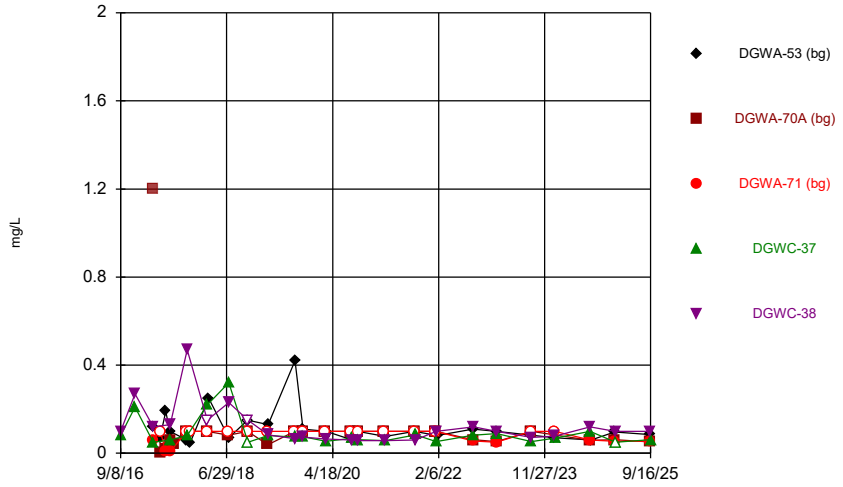
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

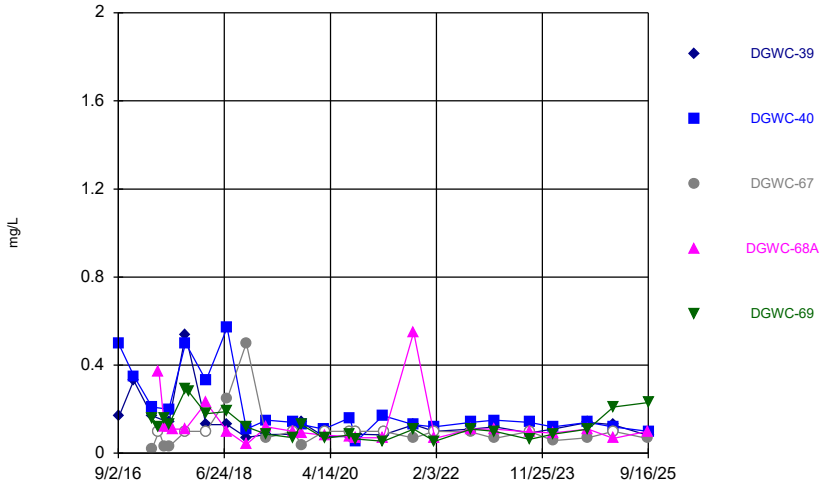
Time Series



Constituent: Fluoride Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

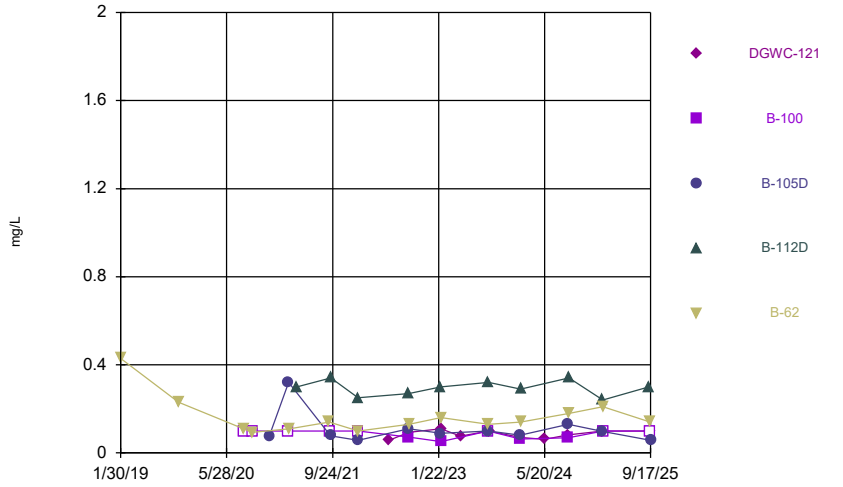
Time Series



Constituent: Fluoride Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

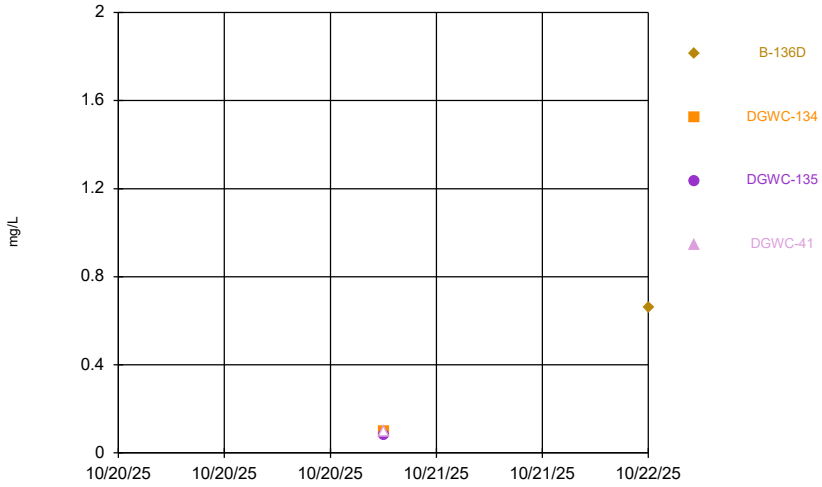
Time Series



Constituent: Fluoride Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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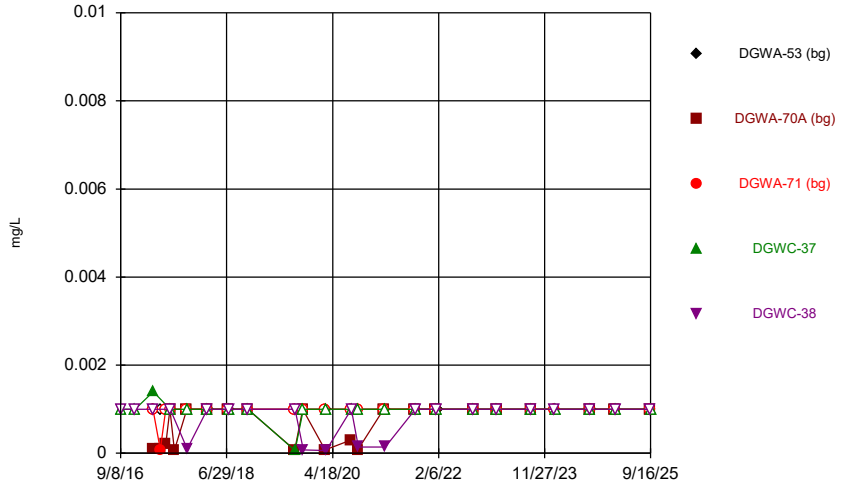
Time Series



Constituent: Fluoride Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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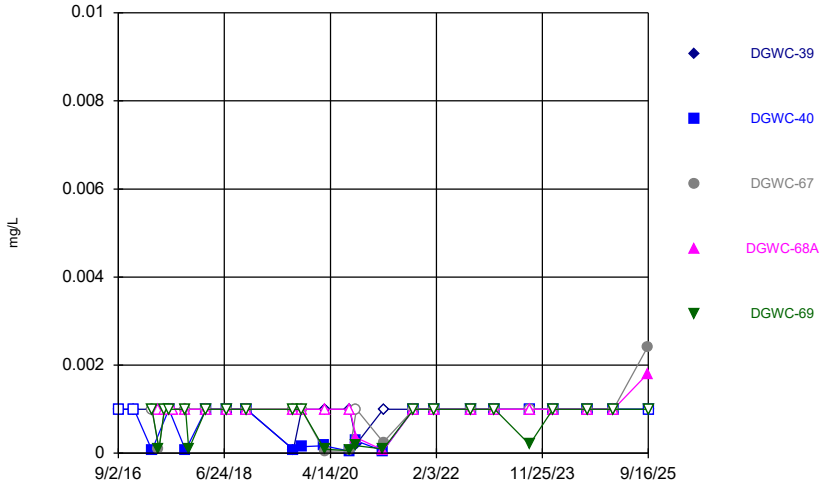
Time Series



Constituent: Lead Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

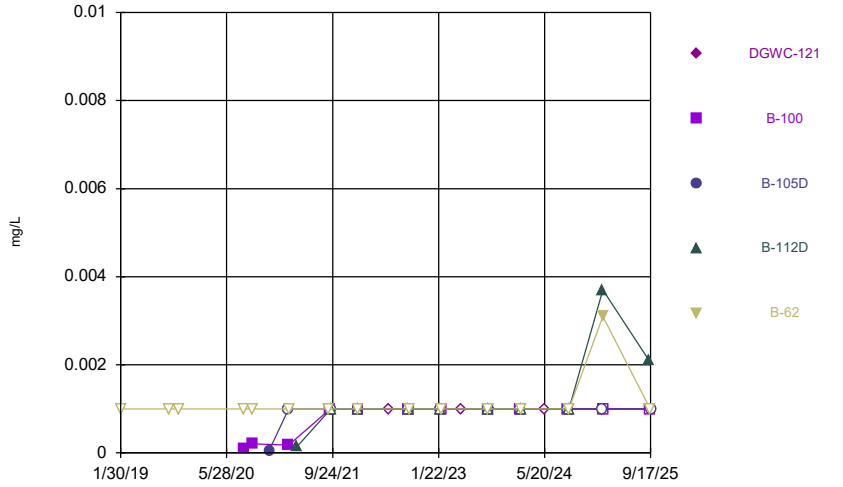
Time Series



Constituent: Lead Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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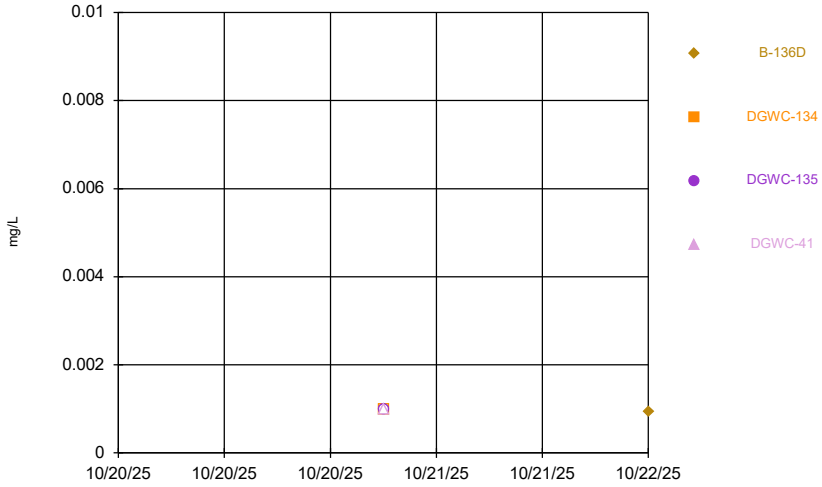
Time Series



Constituent: Lead Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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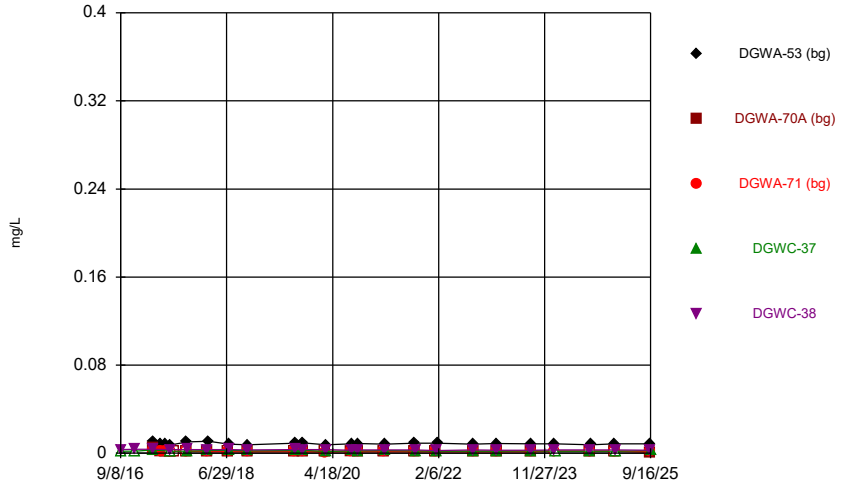
Time Series



Constituent: Lead Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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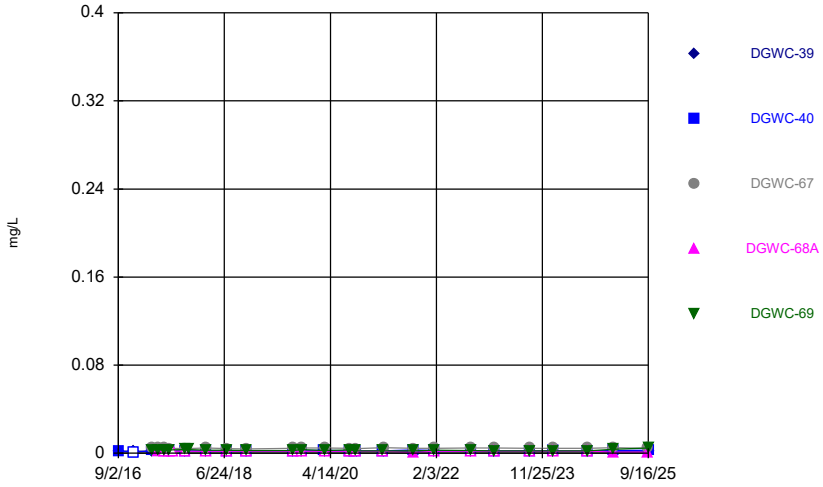
Time Series



Constituent: Lithium Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

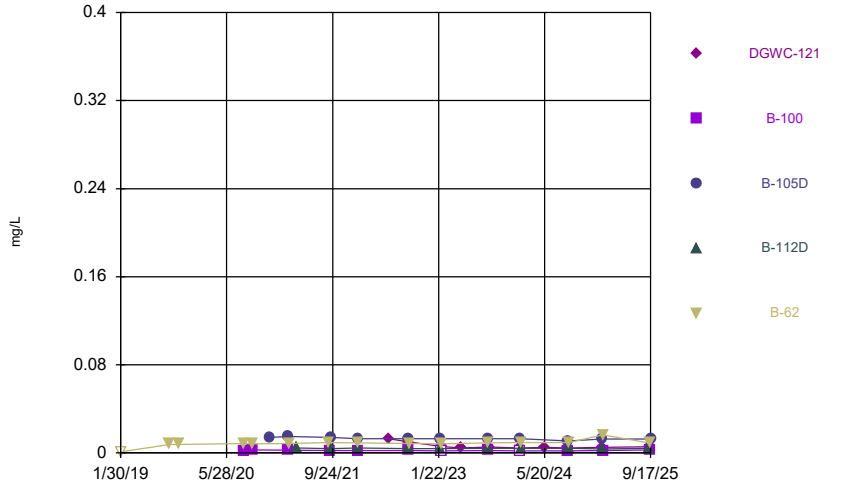
Time Series



Constituent: Lithium Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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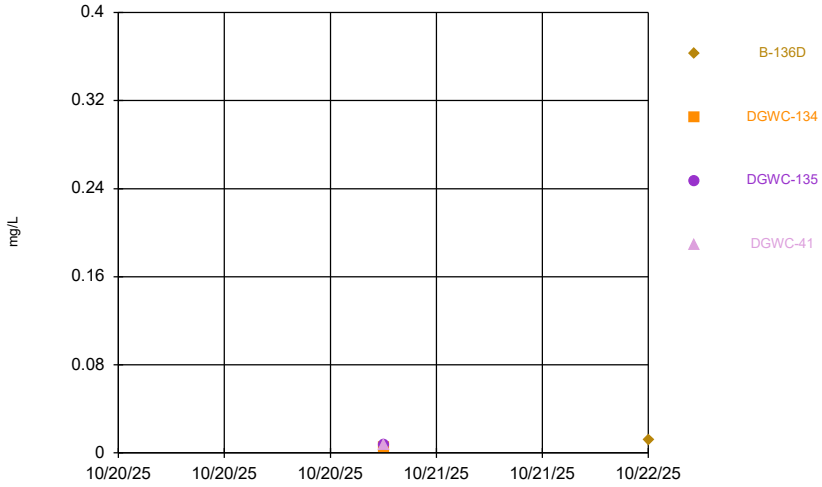
Time Series



Constituent: Lithium Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

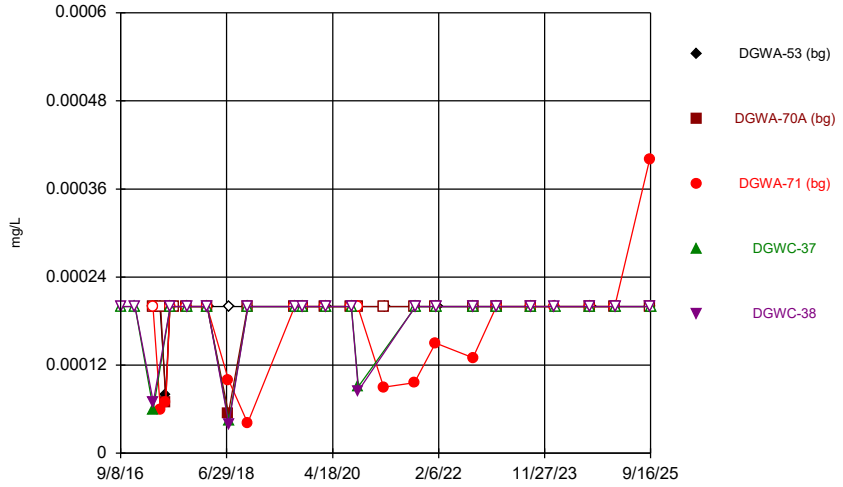
Time Series



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Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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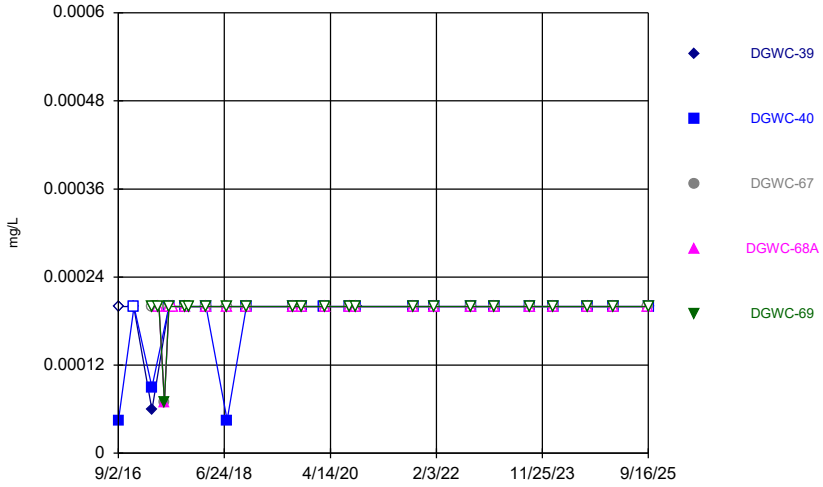
Time Series



Constituent: Mercury Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

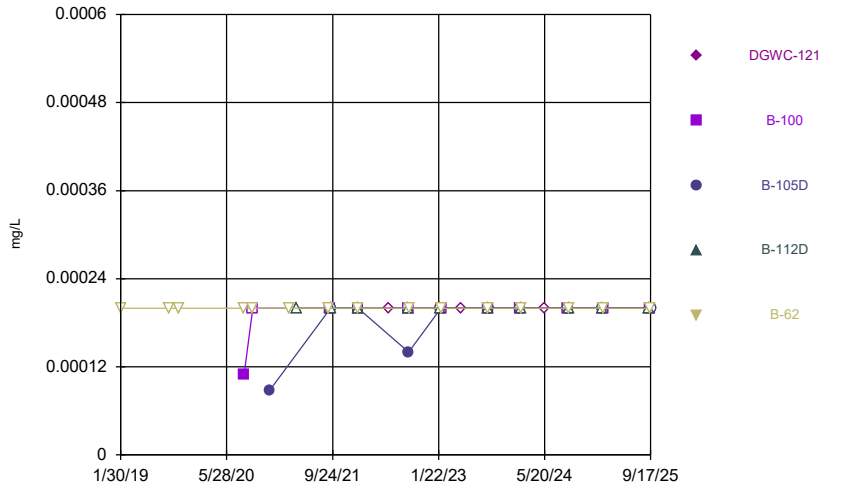
Time Series



Constituent: Mercury Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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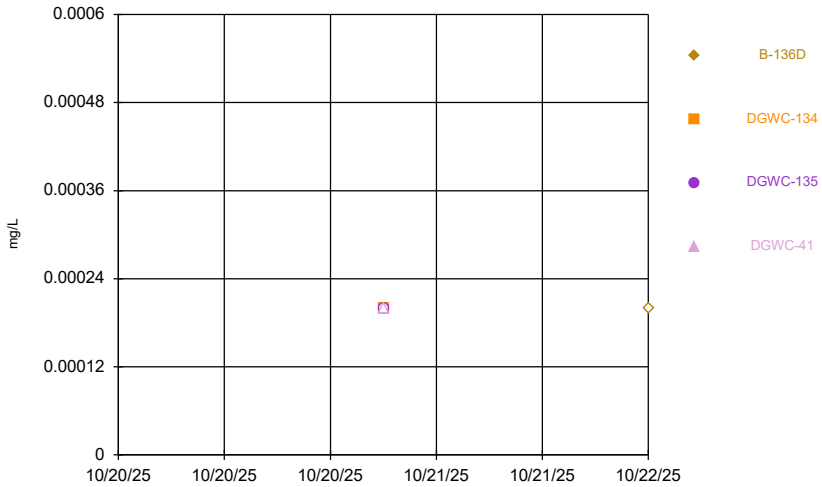
Time Series



Constituent: Mercury Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

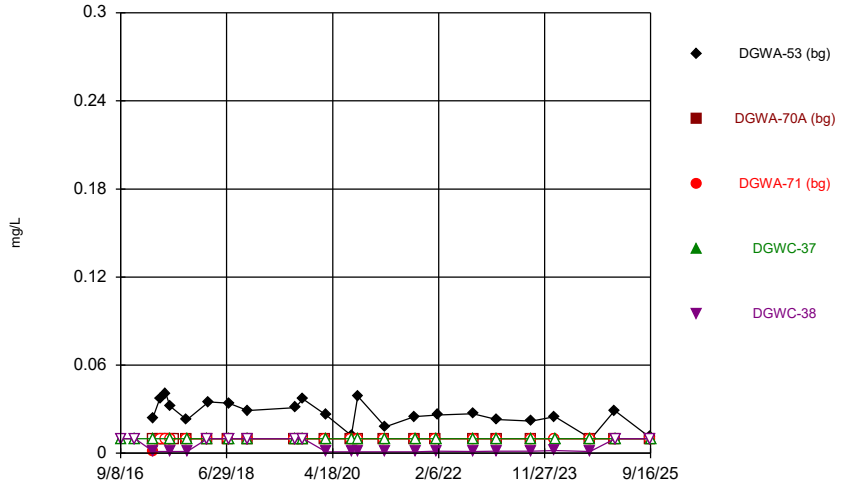
Time Series



Constituent: Mercury Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

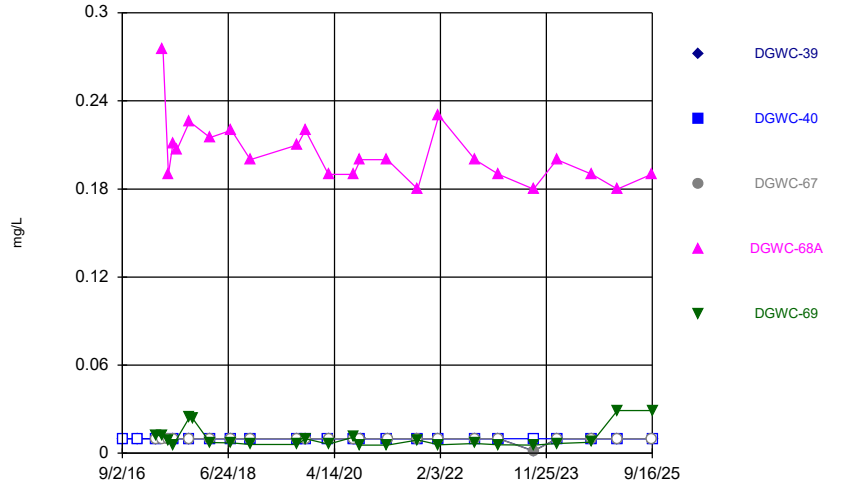
Time Series



Constituent: Molybdenum Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

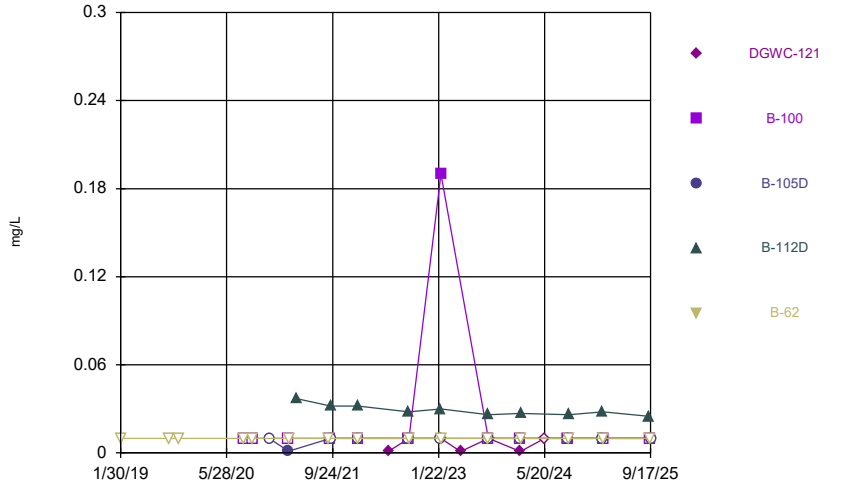
Time Series



Constituent: Molybdenum Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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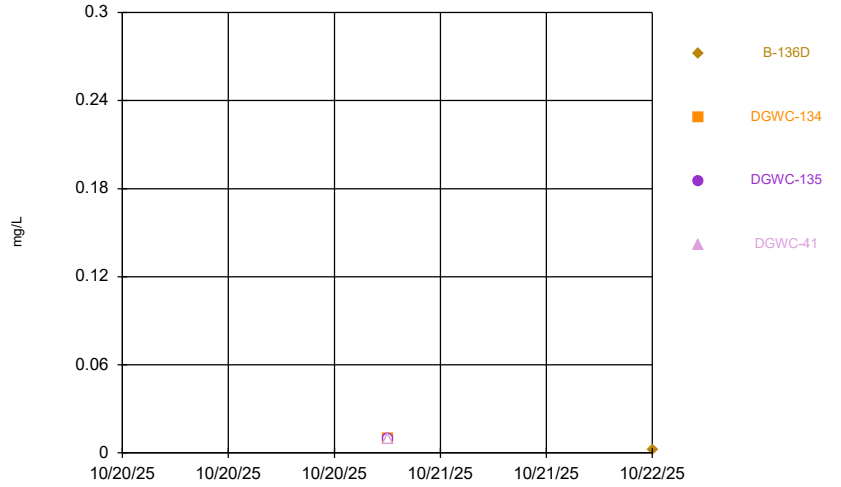
Time Series



Constituent: Molybdenum Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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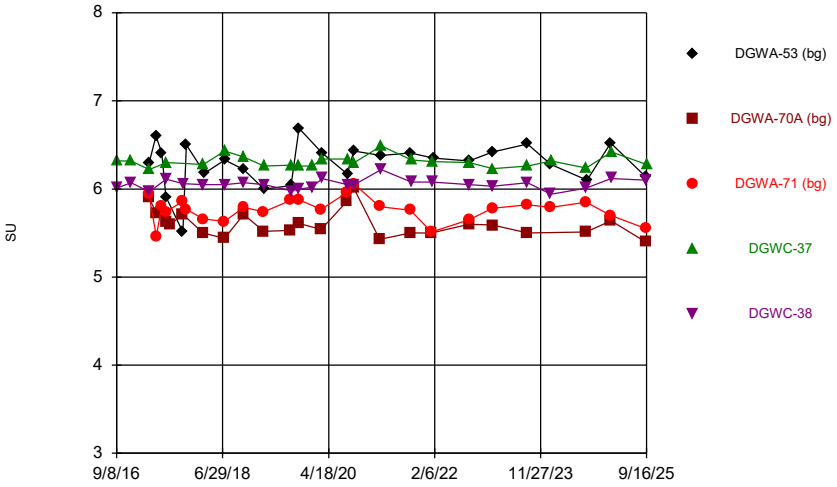
Time Series



Constituent: Molybdenum Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

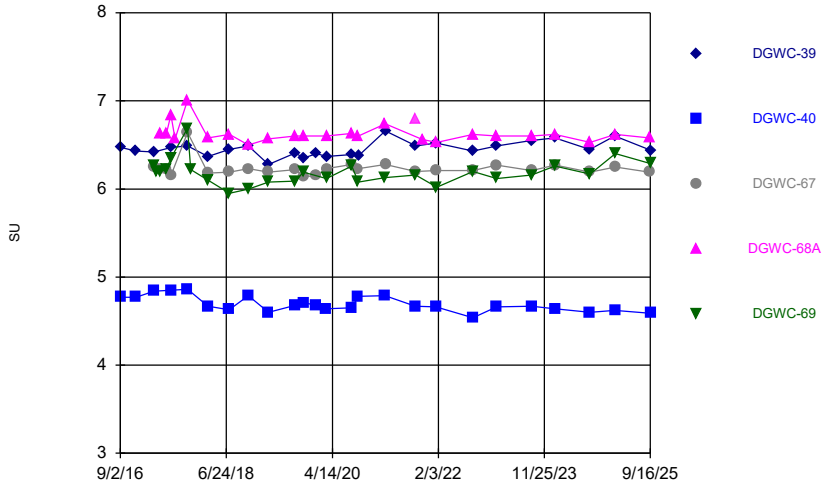
Time Series



Constituent: pH, Field Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

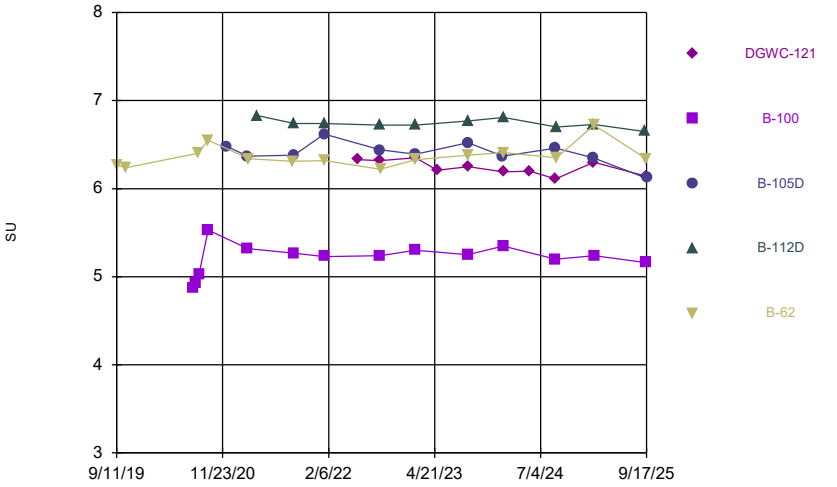
Time Series



Constituent: pH, Field Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

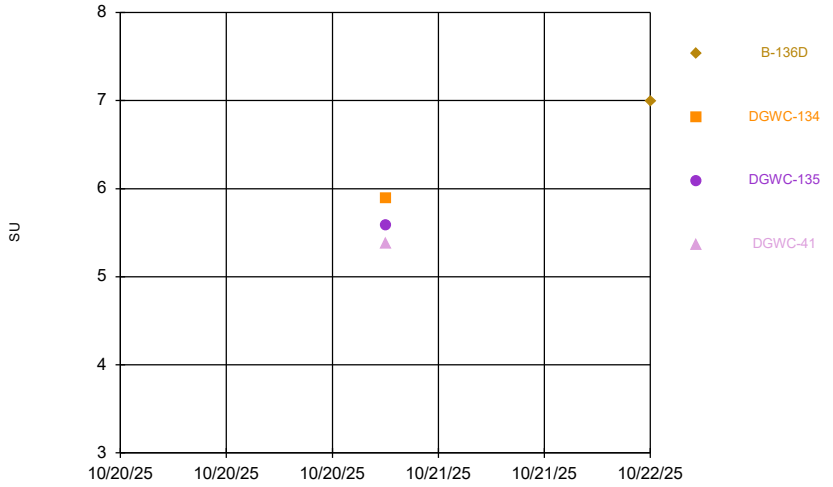
Time Series



Constituent: pH, Field Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

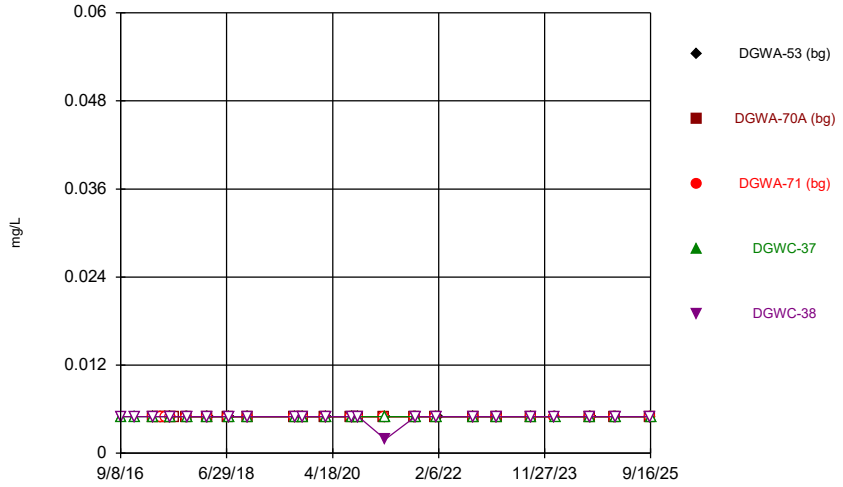
Time Series



Constituent: pH, Field Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

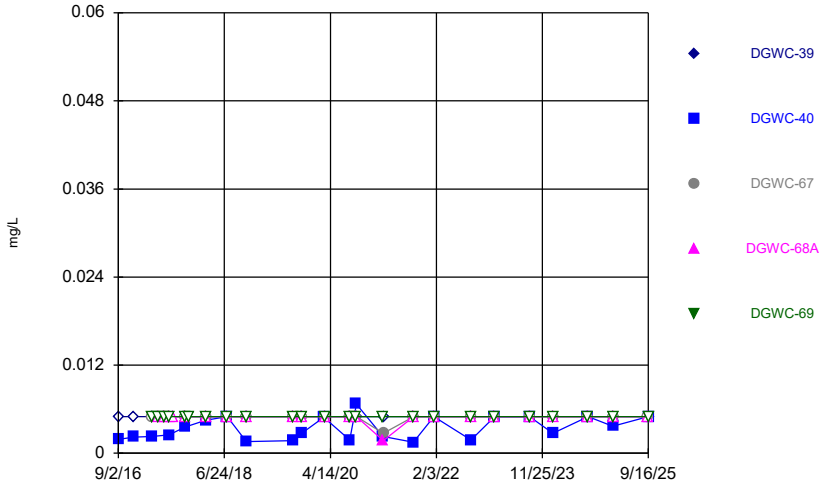
Time Series



Constituent: Selenium Analysis Run 12/8/2025 3:47 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

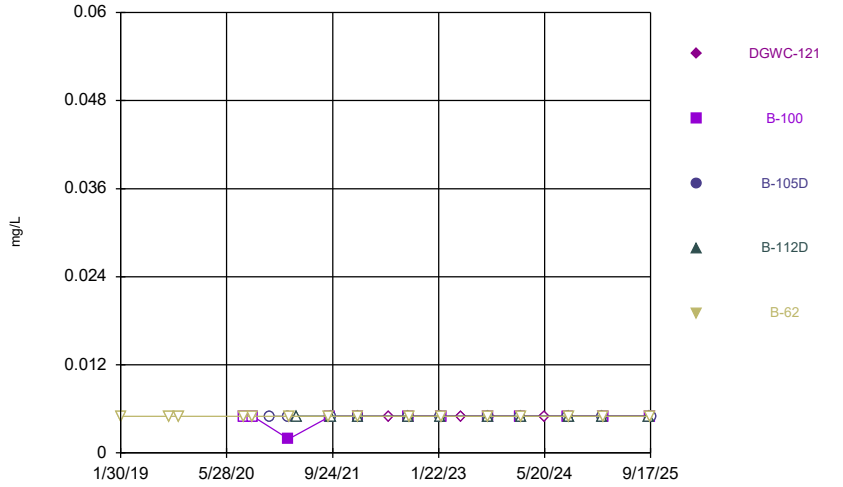
Time Series



Constituent: Selenium Analysis Run 12/8/2025 3:48 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

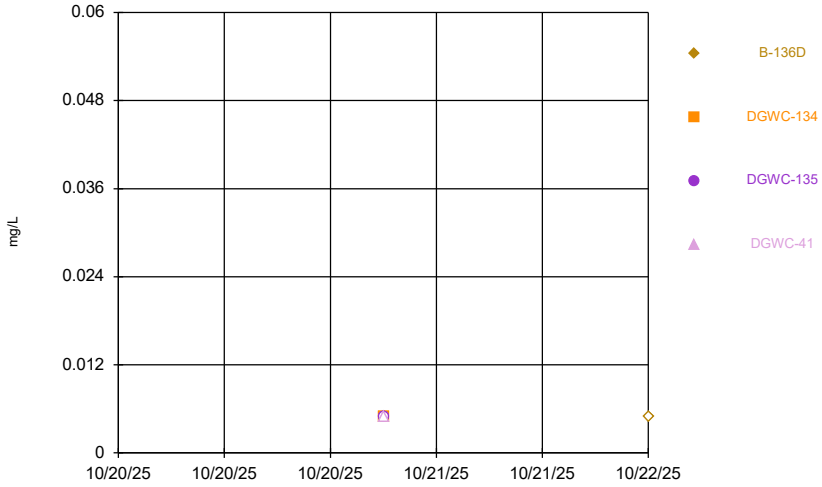
Time Series



Constituent: Selenium Analysis Run 12/8/2025 3:48 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

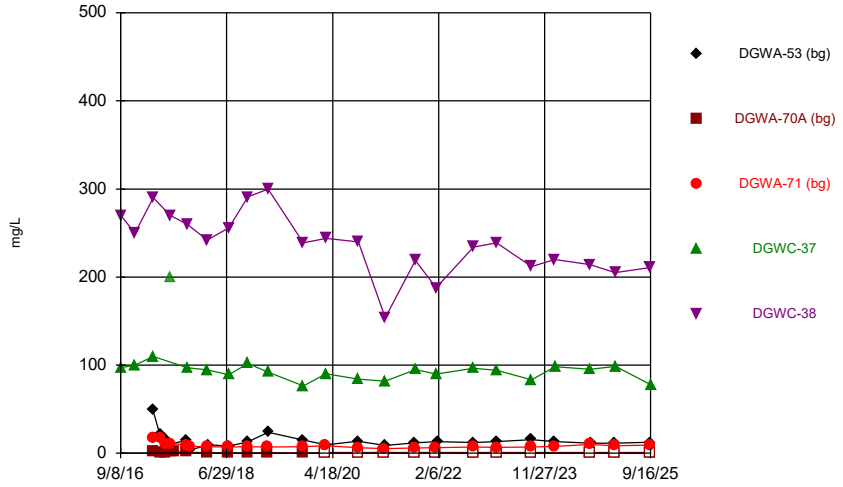
Time Series



Constituent: Selenium Analysis Run 12/8/2025 3:48 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

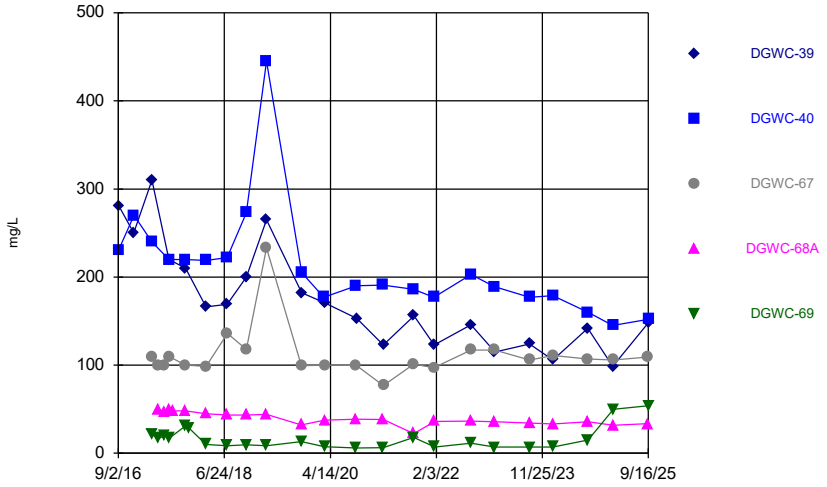
Time Series



Constituent: Sulfate Analysis Run 12/8/2025 3:48 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

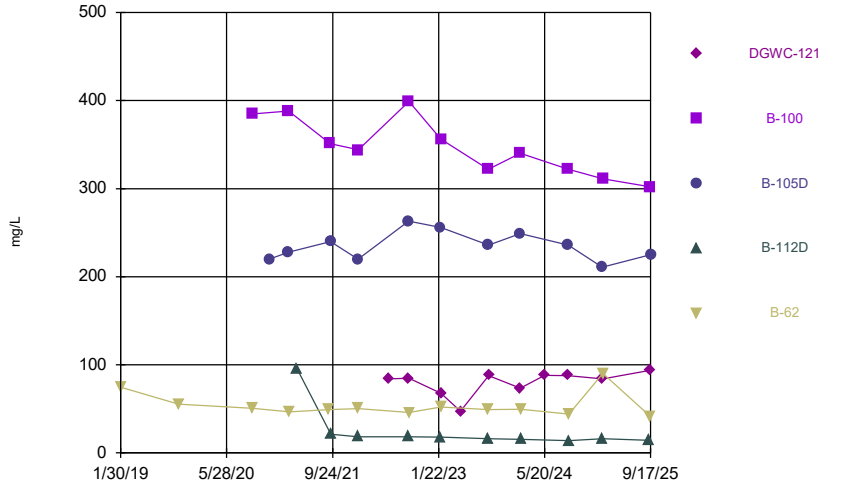
Time Series



Constituent: Sulfate Analysis Run 12/8/2025 3:48 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

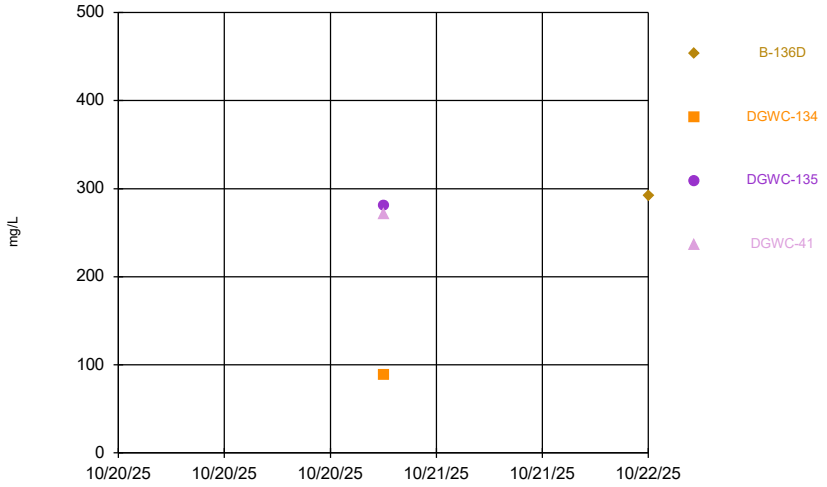
Time Series



Constituent: Sulfate Analysis Run 12/8/2025 3:48 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

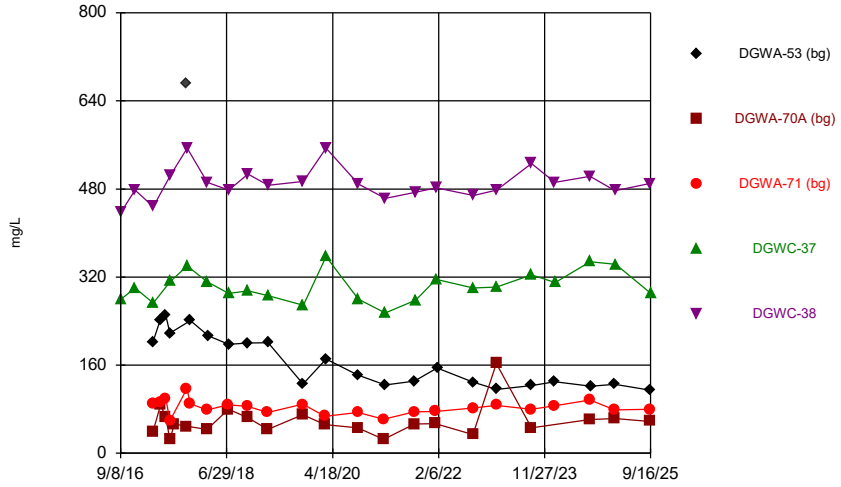
Time Series



Constituent: Sulfate Analysis Run 12/8/2025 3:48 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

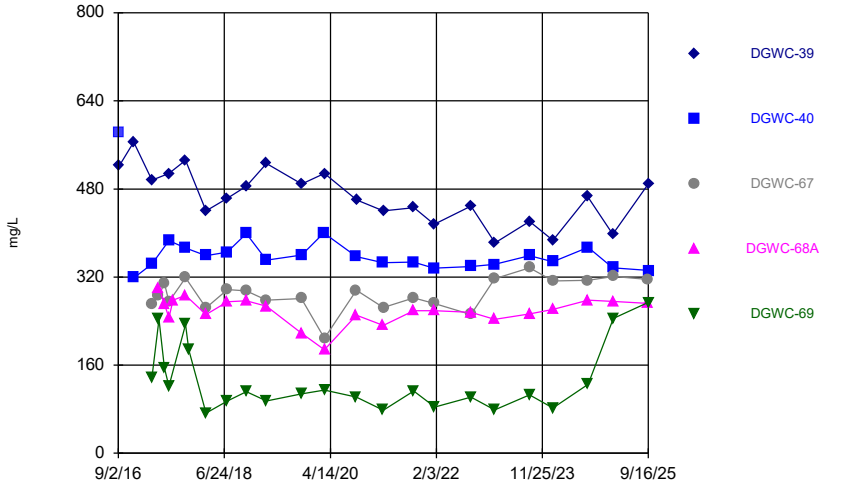
Time Series



Constituent: TDS Analysis Run 12/8/2025 3:48 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

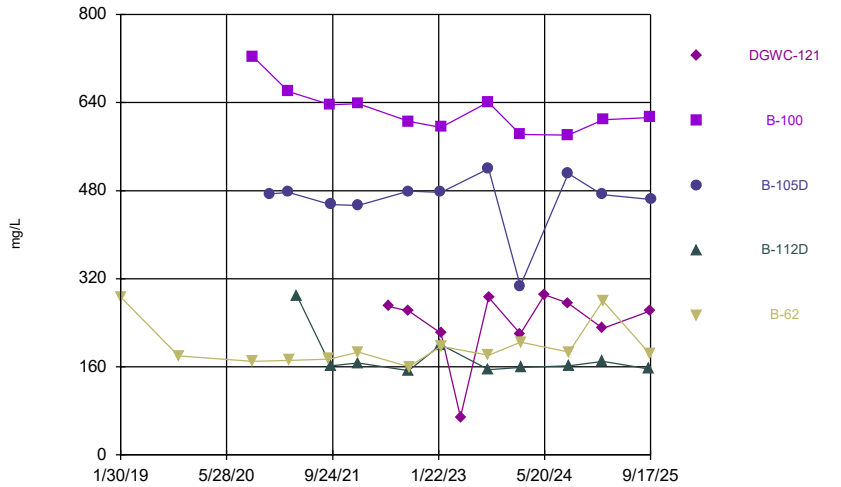
Time Series



Constituent: TDS Analysis Run 12/8/2025 3:48 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

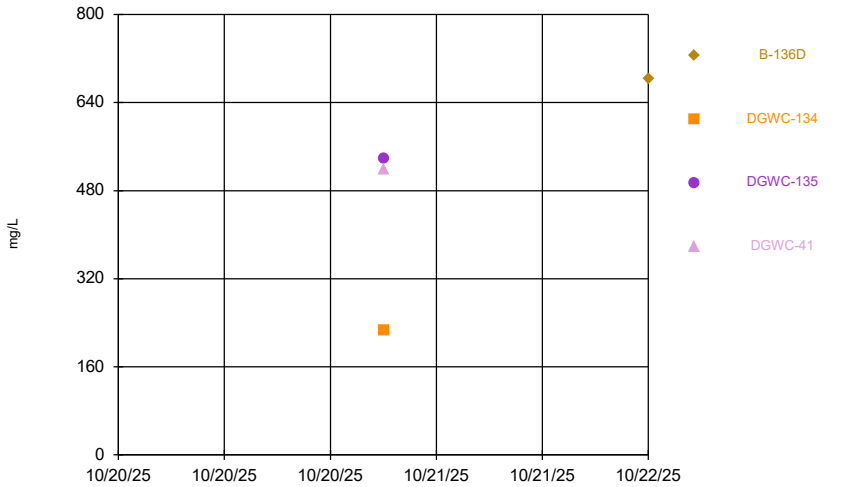
Time Series



Constituent: TDS Analysis Run 12/8/2025 3:48 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

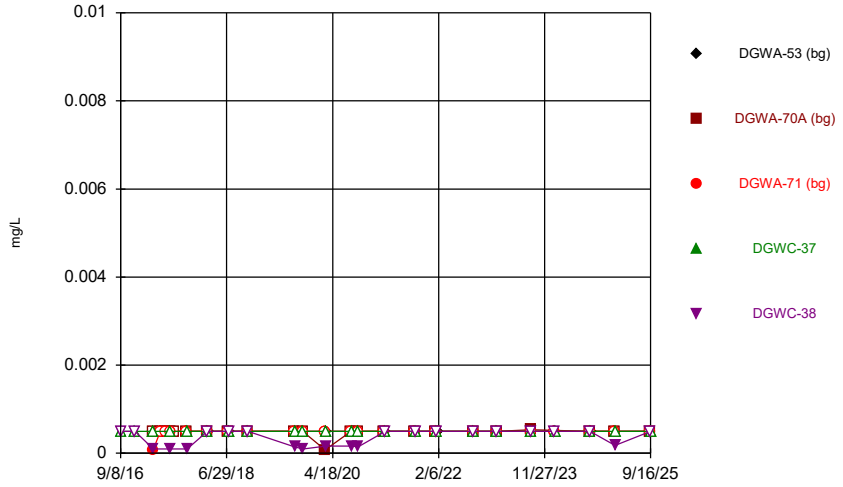
Time Series



Constituent: TDS Analysis Run 12/8/2025 3:48 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

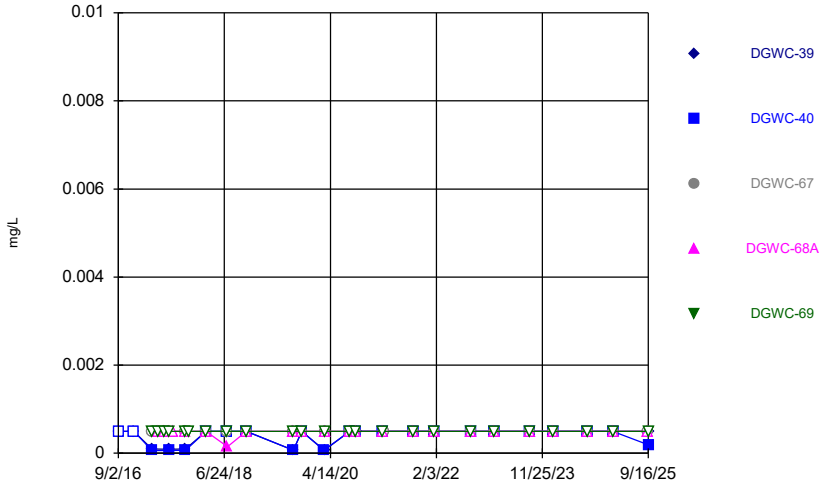
Time Series



Constituent: Thallium Analysis Run 12/8/2025 3:48 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

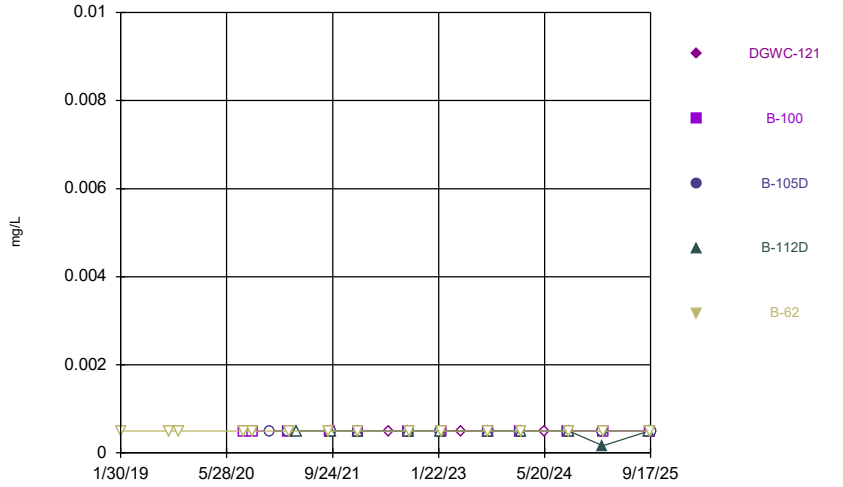
Time Series



Constituent: Thallium Analysis Run 12/8/2025 3:48 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

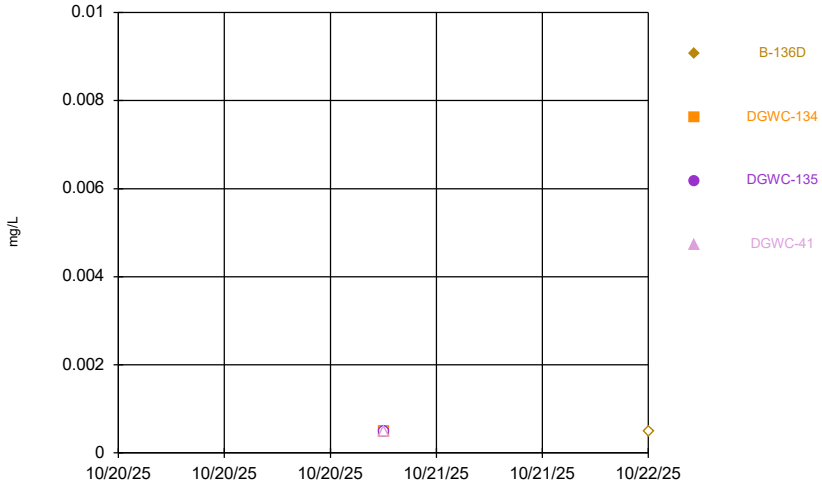
Time Series



Constituent: Thallium Analysis Run 12/8/2025 3:48 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 12/8/2025 3:48 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				<0.002	<0.002
12/7/2016				<0.002	<0.002
3/28/2017	<0.002	<0.002	0.0007 (J)		
3/30/2017				<0.002	<0.002
5/11/2017	<0.002				
5/12/2017			<0.002		
5/15/2017		<0.002			
6/15/2017	0.0006 (J)	<0.002			
6/16/2017			0.0007 (J)		
7/11/2017		<0.002	<0.002		
7/12/2017	<0.002				
7/13/2017				<0.002	<0.002
8/8/2017		<0.002			
10/24/2017	<0.002	<0.002	<0.002		
10/26/2017				<0.002	<0.002
2/27/2018		<0.002	<0.002		
3/1/2018				<0.002	<0.002
3/8/2018	<0.002				
7/10/2018		<0.002	<0.002		
7/12/2018	<0.002			<0.002	<0.002
11/6/2018		<0.002	<0.002		
11/7/2018	<0.002				
11/8/2018				<0.002	<0.002
8/27/2019		<0.002	<0.002		
8/28/2019	<0.002			<0.002	<0.002
10/15/2019		<0.002	<0.002		
10/16/2019	<0.002				
3/2/2020		<0.002	0.0018 (J)		
3/9/2020	<0.002			<0.002	<0.002
8/11/2020		0.0013 (J)	0.0018 (J)		
8/13/2020	0.0003 (J)			<0.002	<0.002
9/22/2020	<0.002	<0.002	<0.002		
9/24/2020				<0.002	<0.002
3/1/2021		<0.002	0.0019 (J)		
3/11/2021				<0.002	<0.002
3/12/2021	<0.002				
9/8/2021			<0.002		
9/9/2021	<0.002	0.0015 (J)			
9/15/2021					<0.002
9/16/2021				<0.002	
1/18/2022		<0.002	<0.002		
1/21/2022				<0.002	<0.002
1/28/2022	<0.002				
9/7/2022		<0.002	<0.002		
9/8/2022	<0.002				
9/9/2022				<0.002	
9/12/2022					<0.002
1/31/2023		<0.002	<0.002		
2/1/2023	<0.002				
2/2/2023				<0.002	<0.002
9/6/2023		<0.002	0.0045	0.0014 (J)	
9/7/2023	<0.002				<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
1/30/2024	<0.002		<0.002		<0.002
1/31/2024				<0.002	
9/4/2024		<0.002	<0.002	<0.002	<0.002
9/11/2024	<0.002				
2/4/2025	<0.002		<0.002		
2/6/2025		<0.002			
2/7/2025					<0.002
2/10/2025				<0.002	
9/10/2025	<0.002	<0.002	<0.002		
9/15/2025					<0.002
9/16/2025				<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		<0.002			
9/8/2016	<0.002				
12/7/2016	<0.002				
12/8/2016		<0.002			
3/30/2017	<0.002	<0.002			
3/31/2017			0.0004 (J)		<0.002
5/12/2017			<0.002	<0.002	<0.002
6/16/2017			0.0008 (J)	0.0008 (J)	0.0007 (J)
7/13/2017	<0.002	<0.002	<0.002	<0.002	<0.002
8/8/2017				<0.002	
10/26/2017	<0.002	<0.002	<0.002	<0.002	<0.002
11/15/2017					<0.002
3/1/2018	<0.002				
3/2/2018		<0.002	<0.002	<0.002	<0.002
7/12/2018	<0.002	<0.002			
7/13/2018			0.0023 (J)	<0.002	<0.002
11/8/2018	<0.002	<0.002	<0.002	<0.002	<0.002
8/28/2019	<0.002	<0.002	<0.002	<0.002	<0.002
3/4/2020		<0.002			
3/9/2020	<0.002		<0.002	<0.002	<0.002
8/13/2020	<0.002	<0.002	<0.002	<0.002	0.0019 (J)
9/23/2020		<0.002	<0.002	<0.002	<0.002
9/25/2020	<0.002				
3/8/2021		0.00033 (J)			
3/10/2021				0.00032 (J)	0.0018 (J)
3/11/2021	<0.002		<0.002		
9/14/2021		<0.002			
9/16/2021			<0.002	<0.002	<0.002
9/17/2021	<0.002				
1/19/2022		<0.002	<0.002		
1/20/2022	<0.002				
1/25/2022				<0.002	<0.002
9/7/2022	<0.002	<0.002		<0.002	<0.002
9/8/2022			<0.002		
2/1/2023		<0.002		<0.002	<0.002
2/2/2023			<0.002		
2/3/2023	<0.002				
9/7/2023	<0.002	<0.002	0.0039	<0.002	<0.002
1/30/2024		<0.002			
1/31/2024	0.00058 (J)			<0.002	<0.002
2/1/2024			<0.002		
9/4/2024	0.00088 (J)				
9/5/2024		<0.002	<0.002	<0.002	<0.002
2/7/2025	<0.002	<0.002			
2/10/2025			<0.002	<0.002	<0.002
9/9/2025			<0.002	<0.002	
9/16/2025	<0.002	<0.002			<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					<0.002
9/11/2019					<0.002
10/21/2019					<0.002
8/13/2020					<0.002
8/17/2020		0.0013 (J)			
9/24/2020					0.00046 (J)
9/25/2020		<0.002			
12/9/2020			<0.002		
3/8/2021		0.0017 (J)	0.00069 (J)		
3/12/2021					<0.002
4/15/2021				0.00041 (J)	
9/9/2021					<0.002
9/13/2021		<0.002			
9/15/2021			0.0082		
9/16/2021				<0.002	
1/19/2022			<0.002	<0.002	
1/20/2022					<0.002
1/21/2022		<0.002			
6/6/2022	<0.002				
9/7/2022			<0.002	<0.002	
9/8/2022	<0.002	<0.002			
9/9/2022					<0.002
2/1/2023			0.0016 (J)	<0.002	
2/2/2023	<0.002	<0.002			<0.002
5/2/2023	0.00082 (J)				
9/6/2023		<0.002			
9/7/2023			<0.002	<0.002	<0.002
9/8/2023	<0.002				
1/30/2024			<0.002		
1/31/2024	<0.002	<0.002			
2/1/2024				<0.002	<0.002
5/20/2024	0.00062 (J)				
9/4/2024	<0.002				
9/5/2024		<0.002	0.00062 (J)		
9/9/2024				<0.002	<0.002
2/7/2025			<0.002		
2/10/2025	<0.002			<0.002	
2/11/2025					<0.002
2/12/2025		<0.002			
9/9/2025				<0.002	
9/15/2025					<0.002
9/16/2025	<0.002	<0.002			
9/17/2025			<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		<0.002	<0.002	<0.002
10/22/2025	<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				<0.002	<0.002
12/7/2016				0.0019 (J)	<0.002
3/28/2017	0.0005 (J)	<0.002	<0.002		
3/30/2017				<0.002	<0.002
5/11/2017	0.0005 (J)				
5/12/2017			0.0004 (J)		
5/15/2017		<0.002			
6/15/2017	<0.002	<0.002			
6/16/2017			<0.002		
7/11/2017		<0.002	<0.002		
7/12/2017	<0.002				
7/13/2017				<0.002	0.0005 (J)
8/8/2017		<0.002			
10/24/2017	<0.002	<0.002	<0.002		
10/26/2017				<0.002	<0.002
2/27/2018		<0.002	<0.002		
3/1/2018				<0.002	<0.002
3/8/2018	<0.002				
7/10/2018		<0.002	<0.002		
7/12/2018	<0.002			<0.002	<0.002
11/6/2018		<0.002	<0.002		
11/7/2018	0.0009 (J)				
11/8/2018				<0.002	<0.002
8/27/2019		<0.002	<0.002		
8/28/2019	<0.002			<0.002	<0.002
10/15/2019		0.00052 (J)	0.00071 (J)		
10/16/2019	0.0018 (J)				
10/18/2019				<0.002	<0.002
3/2/2020		<0.002	<0.002		
3/9/2020	0.00068 (J)			<0.002	<0.002
8/11/2020		<0.002	<0.002		
8/13/2020	<0.002			<0.002	<0.002
9/22/2020	0.00093 (J)	<0.002	<0.002		
9/24/2020				<0.002	<0.002
3/1/2021		<0.002	<0.002		
3/11/2021				<0.002	<0.002
3/12/2021	<0.002				
9/8/2021			<0.002		
9/9/2021	<0.002	<0.002			
9/15/2021					<0.002
9/16/2021				<0.002	
1/18/2022		0.0046 (J)	0.0054		
1/21/2022				<0.002	<0.002
1/28/2022	0.0024 (J)				
9/7/2022		0.0024 (J)	<0.002		
9/8/2022	0.0029 (J)				
9/9/2022				<0.002	
9/12/2022					<0.002
1/31/2023		<0.002	<0.002		
2/1/2023	0.0029 (J)				
2/2/2023				<0.002	<0.002
9/6/2023		<0.002	<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/7/2023	<0.002				<0.002
1/30/2024	<0.002		<0.002		<0.002
1/31/2024				<0.002	
9/4/2024		<0.002	<0.002	0.00093 (J)	<0.002
9/11/2024	0.00091 (J)				
2/4/2025	<0.002		<0.002		
2/6/2025		<0.002			
2/7/2025					<0.002
2/10/2025				<0.002	
9/10/2025	<0.002	<0.002	<0.002		
9/15/2025					<0.002
9/16/2025				<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		<0.002			
9/8/2016	<0.002				
12/7/2016	<0.002				
12/8/2016		<0.002			
3/30/2017	0.0007 (J)	0.0006 (J)			
3/31/2017			<0.002		0.0239
4/12/2017					0.0077
5/1/2017				<0.002	
5/12/2017			<0.002	<0.002	0.0097
6/16/2017			<0.002	<0.002	0.0113
7/13/2017	0.0009 (J)	<0.002	<0.002	<0.002	0.0029 (J)
8/8/2017				<0.002	
10/26/2017	<0.002	<0.002	<0.002	<0.002	0.114
11/15/2017					0.164
3/1/2018	0.0011 (J)				
3/2/2018		0.0011 (J)	<0.002	<0.002	0.0127
7/12/2018	0.00057 (J)	<0.002			
7/13/2018			<0.002	<0.002	0.017
11/8/2018	<0.002	<0.002	<0.002	0.0006 (J)	0.02
8/28/2019	<0.002	<0.002	<0.002	<0.002	0.025
10/16/2019				<0.002	0.023
10/17/2019			0.00042 (J)		
10/18/2019	0.00075 (J)	<0.002			
3/4/2020		0.00065 (J)			
3/9/2020	0.00039 (J)		<0.002	<0.002	0.029
8/13/2020	<0.002	<0.002	<0.002	<0.002	0.029
9/23/2020		<0.002	<0.002	<0.002	0.032
9/25/2020	0.00087 (J)				
3/8/2021		<0.002			
3/10/2021				<0.002	0.028
3/11/2021	<0.002		0.0008 (J)		
9/14/2021		<0.002			
9/16/2021			<0.002	0.46 (O)	0.023
9/17/2021	<0.002				
10/27/2021				0.0016 (J)	
1/19/2022		0.003 (J)	0.0033 (J)		
1/20/2022	0.0019 (J)				
1/25/2022				<0.002	0.028
9/7/2022	<0.002	<0.002		<0.002	0.024
9/8/2022			<0.002		
2/1/2023		<0.002		<0.002	0.021
2/2/2023			<0.002		
2/3/2023	<0.002				
9/7/2023	<0.002	<0.002	<0.002	<0.002	0.029
1/30/2024		<0.002			
1/31/2024	<0.002			<0.002	0.026
2/1/2024			<0.002		
9/4/2024	0.00091 (J)				
9/5/2024		<0.002	<0.002	<0.002	0.02
2/7/2025	<0.002	<0.002			
2/10/2025			<0.002	<0.002	0.046
9/9/2025			<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/16/2025	<0.002	<0.002			0.46

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					<0.002
9/11/2019					<0.002
10/21/2019					<0.002
7/23/2020		<0.005			
8/13/2020					<0.002
8/17/2020		<0.005			
9/24/2020					<0.002
9/25/2020		<0.005			
12/9/2020			<0.002		
3/8/2021		<0.005	0.0025 (J)		
3/12/2021					<0.002
4/15/2021				0.00078 (J)	
9/9/2021					<0.002
9/13/2021		<0.005			
9/15/2021			<0.002		
9/16/2021				<0.002	
1/19/2022			0.0051	0.005	
1/20/2022					0.0033 (J)
1/21/2022		<0.005			
6/6/2022	<0.002				
9/7/2022			0.0026 (J)	<0.002	
9/8/2022	<0.002	<0.005			
9/9/2022					<0.002
2/1/2023			<0.002	<0.002	
2/2/2023	<0.002	<0.005			<0.002
5/2/2023	<0.002				
9/6/2023		<0.005			
9/7/2023			<0.002	<0.002	<0.002
9/8/2023	<0.002				
1/30/2024			<0.002		
1/31/2024	<0.002	<0.005			
2/1/2024				<0.002	<0.002
5/20/2024	<0.002				
9/4/2024	<0.002				
9/5/2024		<0.005	<0.002		
9/9/2024				<0.002	<0.002
2/7/2025			<0.002		
2/10/2025	<0.002			<0.002	
2/11/2025					<0.002
2/12/2025		<0.005			
9/9/2025				<0.002	
9/15/2025					<0.002
9/16/2025	<0.002	0.0015 (J)			
9/17/2025			<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		<0.002	<0.002	<0.002
10/22/2025	<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				0.123	0.0333
12/7/2016				0.125	0.0336
3/28/2017	0.134	0.0166	0.0378		
3/30/2017				0.11	0.0325
5/11/2017	0.126				
5/12/2017			0.04		
5/15/2017		0.0181			
6/15/2017	0.14	0.0277			
6/16/2017			0.0369		
7/11/2017		0.0306	0.0362		
7/12/2017	0.173				
7/13/2017				0.11	0.0332
8/8/2017		0.0277			
10/24/2017	0.109	0.0333	0.0313		
10/26/2017				0.112	0.0333
2/27/2018		0.034	0.029		
3/1/2018				0.102	0.0333
3/8/2018	0.19				
7/10/2018		0.037	0.027		
7/12/2018	0.18			0.11	0.034
11/6/2018		0.037	0.026		
11/7/2018	0.15				
11/8/2018				0.11	0.035
8/27/2019		0.037	0.027		
8/28/2019	0.087			0.086	0.033
10/15/2019		0.034	0.024		
10/16/2019	0.077				
10/18/2019				0.079	0.032
3/2/2020		0.035	0.026		
3/9/2020	0.099			0.092	0.032
8/11/2020		0.041	0.026		
8/13/2020	0.046			0.088	0.032
9/22/2020	0.07	0.038	0.024		
9/24/2020				0.094	0.032
3/1/2021		0.042	0.028		
3/11/2021				0.075	0.032
3/12/2021	0.076				
9/8/2021			0.025		
9/9/2021	0.099	0.038			
9/15/2021					0.032
9/16/2021				0.083	
1/18/2022		0.043	0.029		
1/21/2022				0.085	0.031
1/28/2022	0.068				
9/7/2022		0.039	0.025		
9/8/2022	0.077				
9/9/2022				0.079	
9/12/2022					0.027
1/31/2023		0.041	0.028		
2/1/2023	0.089				
2/2/2023				0.081	0.03
9/6/2023		0.041	0.03	0.082	

Time Series

Constituent: Barium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/7/2023	0.12				0.027
1/30/2024	0.096		0.029		0.031
1/31/2024				0.086	
9/4/2024		0.039	0.027	0.067	0.025
9/11/2024	0.084				
2/4/2025	0.073		0.032 (J)		
2/6/2025		0.046 (J)			
2/7/2025					0.031
2/10/2025				0.099	
9/10/2025	0.068	0.036	0.031		
9/15/2025					0.028
9/16/2025				0.064	

Time Series

Constituent: Barium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		0.0171			
9/8/2016	0.0978				
12/7/2016	0.0844				
12/8/2016		0.0163			
3/30/2017	0.0858	0.0177			
3/31/2017			0.111		0.0872
5/12/2017			0.127	0.089	0.0929
6/16/2017			0.11	0.0855	0.1
7/13/2017	0.0919	0.017	0.102	0.0859	0.0985
8/8/2017				0.0852	
10/26/2017	0.0899	0.0168	0.105	0.0878	0.136
11/15/2017					0.107
3/1/2018	0.0742				
3/2/2018		0.0169	0.104	0.0878	0.0671
7/12/2018	0.094	0.018			
7/13/2018			0.11	0.091	0.074
11/8/2018	0.1	0.017	0.11	0.092	0.072
8/28/2019	0.099	0.017	0.11	0.089	0.061
10/16/2019				0.089	0.1
10/17/2019			0.1		
10/18/2019	0.1	0.019			
3/4/2020		0.018			
3/9/2020	0.076		0.11	0.088	0.057
8/13/2020	0.089	0.018	0.095	0.088	0.13
9/23/2020		0.019	0.1	0.094	0.055
9/25/2020	0.1				
3/8/2021		0.016			
3/10/2021				0.09	0.048
3/11/2021	0.078		0.11		
9/14/2021		0.027			
9/16/2021			0.088	0.13 (O)	0.078
9/17/2021	0.09				
10/27/2021				0.086	
1/19/2022		0.018	0.091		
1/20/2022	0.093				
1/25/2022				0.1	0.049
9/7/2022	0.099	0.016		0.098	0.065
9/8/2022			0.082		
2/1/2023		0.017		0.099	0.044
2/2/2023			0.08		
2/3/2023	0.087				
9/7/2023	0.11	0.016	0.076	0.11	0.047
1/30/2024		0.017			
1/31/2024	0.1			0.11	0.048
2/1/2024			0.077		
9/4/2024	0.11				
9/5/2024		0.016	0.068	0.1	0.062
2/7/2025	0.1	0.019			
2/10/2025			0.082	0.099	0.15
9/9/2025			0.066	0.11	
9/16/2025	0.13	0.017			0.12

Time Series

Constituent: Barium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					0.018
9/11/2019					0.023
10/21/2019					0.026
8/13/2020					0.026
8/17/2020		0.015			
9/24/2020					0.025
9/25/2020		0.022			
12/9/2020			0.03		
3/8/2021		0.022	0.041		
3/12/2021					0.027
4/15/2021				0.026	
9/9/2021					0.021
9/13/2021		0.021			
9/15/2021			0.037		
9/16/2021				0.0032 (J)	
1/19/2022			0.04	0.0034 (J)	
1/20/2022					0.021
1/21/2022		0.023			
6/6/2022	0.04				
9/7/2022			0.035	0.0026 (J)	
9/8/2022	0.042	0.021			
9/9/2022					0.018
2/1/2023			0.036	0.0028 (J)	
2/2/2023	0.049	0.098			0.019
5/2/2023	0.048				
9/6/2023		0.021			
9/7/2023			0.035	0.0027 (J)	0.015
9/8/2023	0.047				
1/30/2024			0.039		
1/31/2024	0.05	0.019			
2/1/2024				0.0028 (J)	0.017
5/20/2024	0.044				
9/4/2024	0.045				
9/5/2024		0.021	0.038		
9/9/2024				0.0036 (J)	0.017
2/7/2025			0.037		
2/10/2025	0.054			0.0045 (J)	
2/11/2025					0.013
2/12/2025		0.023			
9/9/2025				0.003 (J)	
9/15/2025					0.016
9/16/2025	0.049	0.027			
9/17/2025			0.031		

Time Series

Constituent: Barium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		0.044	0.028	0.022
10/22/2025	0.045			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				<0.0004	<0.0004
9/26/2016	<0.0004				
12/7/2016				<0.0004	<0.0004
3/28/2017	<0.0004	<0.0004	9E-05 (J)		
3/30/2017				<0.0004	<0.0004
5/11/2017	<0.0004				
5/12/2017			<0.0004		
5/15/2017		<0.0004			
6/15/2017	<0.0004	<0.0004			
6/16/2017			0.0001 (J)		
7/11/2017		<0.0004	<0.0004		
7/12/2017	<0.0004				
7/13/2017				<0.0004	<0.0004
8/8/2017		<0.0004			
10/24/2017	<0.0004	<0.0004	<0.0004		
10/26/2017				<0.0004	<0.0004
2/27/2018		<0.0004	<0.0004		
3/1/2018				6.7E-05 (J)	5.4E-05 (J)
3/8/2018	<0.0004				
7/10/2018		9.5E-05 (J)	9.1E-05 (J)		
7/12/2018	<0.0004			7E-05 (J)	<0.0004
11/6/2018		0.00012 (J)	0.00013 (J)		
11/7/2018	<0.0004				
11/8/2018				<0.0004	<0.0004
8/27/2019		7.9E-05 (J)	<0.0004		
8/28/2019	<0.0004			8.6E-05 (J)	<0.0004
10/15/2019		<0.0004	8.8E-05 (J)		
10/16/2019	<0.0004				
10/18/2019				<0.0004	<0.0004
3/2/2020		9.6E-05 (J)	0.0001 (J)		
3/9/2020	<0.0004			<0.0004	<0.0004
8/11/2020		0.00013 (J)	0.00011 (J)		
8/13/2020	<0.0004			0.0001 (J)	<0.0004
9/22/2020	<0.0004	6.8E-05 (J)	6.9E-05 (J)		
9/24/2020				8.8E-05 (J)	5.8E-05 (J)
3/1/2021		0.00012 (J)	0.00011 (J)		
3/11/2021				<0.0004	<0.0004
3/12/2021	<0.0004				
9/8/2021			9.1E-05 (J)		
9/9/2021	<0.0004	8.9E-05 (J)			
9/15/2021					<0.0004
9/16/2021				5.9E-05 (J)	
1/18/2022		9.2E-05 (J)	0.00012 (J)		
1/21/2022				5.9E-05 (J)	<0.0004
1/28/2022	<0.0004				
9/7/2022		8.4E-05 (J)	7.5E-05 (J)		
9/8/2022	<0.0004				
9/9/2022				5.7E-05 (J)	
9/12/2022					<0.0004
1/31/2023		9.4E-05 (J)	0.00011 (J)		
2/1/2023	0.00016 (J)				
2/2/2023				<0.0004	<0.0004

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/6/2023		0.00012 (J)	0.00011 (J)	5.8E-05 (J)	
9/7/2023	<0.0004				<0.0004
1/30/2024	<0.0004		9.8E-05 (J)		<0.0004
1/31/2024				<0.0004	
9/4/2024		<0.0004	0.0001 (J)	<0.0004	<0.0004
9/11/2024	<0.0004				
2/4/2025	<0.0004		<0.0004		
2/6/2025		<0.0004			
2/7/2025					<0.0004
2/10/2025				<0.0004	
9/10/2025	<0.0004	<0.0004	0.00016 (J)		
9/15/2025					<0.0004
9/16/2025				<0.0004	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		0.0028 (J)			
9/8/2016	<0.0004				
12/7/2016	<0.0004				
12/8/2016		0.0026 (J)			
3/30/2017	<0.0004	0.003			
3/31/2017			<0.0004		7E-05 (J)
5/12/2017			<0.0004	<0.0004	<0.0004
6/16/2017			<0.0004	<0.0004	<0.0004
7/13/2017	<0.0004	0.003 (J)	<0.0004	<0.0004	<0.0004
8/8/2017				<0.0004	
10/26/2017	<0.0004	0.0027 (J)	<0.0004	<0.0004	<0.0004
11/15/2017					<0.0004
3/1/2018	<0.0004				
3/2/2018		0.0033	<0.0004	<0.0004	6E-05 (J)
7/12/2018	<0.0004	0.0032			
7/13/2018			<0.0004	8.4E-05 (J)	5.8E-05 (J)
11/8/2018	<0.0004	0.0027 (J)	<0.0004	<0.0004	<0.0004
8/28/2019	<0.0004	0.0032	<0.0004	<0.0004	<0.0004
10/16/2019				<0.0004	<0.0004
10/17/2019			<0.0004		
10/18/2019	<0.0004	0.0033			
3/4/2020		0.0039			
3/9/2020	<0.0004		<0.0004	<0.0004	7.5E-05 (J)
8/13/2020	<0.0004	0.0033	<0.0004	<0.0004	6.3E-05 (J)
9/23/2020		0.0031	<0.0004	<0.0004	6.1E-05 (J)
9/25/2020	<0.0004				
3/8/2021		0.003			
3/10/2021				6.1E-05 (J)	5E-05 (J)
3/11/2021	<0.0004		<0.0004		
9/14/2021		0.0032			
9/16/2021			<0.0004	<0.0004	<0.0004
9/17/2021	<0.0004				
1/19/2022		0.0034	<0.0004		
1/20/2022	<0.0004				
1/25/2022				<0.0004	5.9E-05 (J)
9/7/2022	<0.0004	0.0031		<0.0004	<0.0004
9/8/2022			<0.0004		
2/1/2023		0.0028		<0.0004	<0.0004
2/2/2023			<0.0004		
2/3/2023	<0.0004				
9/7/2023	<0.0004	0.0031	<0.0004	<0.0004	7.8E-05 (J)
1/30/2024		0.0032			
1/31/2024	<0.0004			<0.0004	<0.0004
2/1/2024			<0.0004		
9/4/2024	<0.0004				
9/5/2024		0.0029	<0.0004	<0.0004	<0.0004
2/7/2025	<0.0004	0.0032			
2/10/2025			<0.0004	<0.0004	<0.0004
9/9/2025			<0.0004	<0.0004	
9/16/2025	<0.0004	0.0031			<0.0004

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
10/6/2016					9E-05 (J)
1/30/2019					<0.0004
9/11/2019					0.00012 (J)
10/21/2019					7.8E-05 (J)
8/13/2020					0.00011 (J)
8/17/2020		0.0004 (J)			
9/24/2020					0.00013 (J)
9/25/2020		0.00035 (J)			
12/9/2020			<0.0004		
3/8/2021		0.00046 (J)	<0.0004		
3/12/2021					<0.0004
4/15/2021				<0.0004	
9/9/2021					0.00014 (J)
9/13/2021		0.00053			
9/15/2021			<0.0004		
9/16/2021				<0.0004	
1/19/2022			<0.0004	<0.0004	
1/20/2022					0.00015 (J)
1/21/2022		0.00053			
6/6/2022	<0.0004				
9/7/2022			<0.0004	<0.0004	
9/8/2022	<0.0004	0.00058			
9/9/2022					0.00013 (J)
2/1/2023			<0.0004	<0.0004	
2/2/2023	<0.0004	<0.0004			0.00012 (J)
5/2/2023	<0.0004				
9/6/2023		0.00054			
9/7/2023			<0.0004	<0.0004	0.00011 (J)
9/8/2023	<0.0004				
1/30/2024			<0.0004		
1/31/2024	<0.0004	0.00047 (J)			
2/1/2024				<0.0004	0.00015 (J)
5/20/2024	<0.0004				
9/4/2024	<0.0004				
9/5/2024		0.00053	<0.0004		
9/9/2024				<0.0004	0.00018 (J)
2/7/2025			<0.0004		
2/10/2025	<0.0004			<0.0004	
2/11/2025					0.00023 (J)
2/12/2025		0.00057			
9/9/2025				<0.0004	
9/15/2025					0.00017 (J)
9/16/2025	<0.0004	<0.0004			
9/17/2025			<0.0004		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		<0.0004	0.00019 (J)	0.00016 (J)
10/22/2025	<0.0004			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				1.58	2.69
9/26/2016	0.0607 (J)				
12/7/2016				2.01	3.08
3/28/2017	0.0612	0.0067 (J)	0.0097 (J)		
3/30/2017				1.47	3.19
5/11/2017	0.0805				
5/12/2017			0.0082 (J)		
5/15/2017		0.0073 (J)			
6/15/2017	0.0725	<0.04			
6/16/2017			0.0085 (J)		
7/11/2017		<0.04	0.0077 (J)		
7/12/2017	0.0735				
7/13/2017				2.1	3.09
8/8/2017		<0.04			
10/24/2017	0.077	0.0082 (J)	0.0083 (J)		
10/26/2017				1.86	2.92
2/27/2018		0.0062 (J)	0.0069 (J)		
3/1/2018				1.87	3.08
3/8/2018	0.13 (J)				
7/10/2018		0.0077 (J)	0.0059 (J)		
7/12/2018	0.076			1.5	2.8
11/6/2018		0.0065 (J)	0.0067 (J)		
11/7/2018	0.073				
11/8/2018				1.4	3.4
3/12/2019		0.0073 (J)	0.0068 (J)		
3/13/2019	0.08			1.8	2.9
10/15/2019		<0.04	0.0054 (J)		
10/16/2019	0.059				
10/18/2019				1.3	3.1
3/2/2020		0.0055 (J)	0.01 (J)		
3/9/2020	0.08 (J)			1.8	3
9/22/2020	0.056 (J)	<0.04	<0.04		
9/24/2020				1.6	2.9
3/1/2021		<0.04	0.0054 (J)		
3/11/2021				1.4	2.7
3/12/2021	0.064				
9/8/2021			<0.04		
9/9/2021	0.065	<0.04			
9/15/2021					2.8
9/16/2021				1.4	
1/18/2022		0.024 (J)	0.015 (J)		
1/21/2022				1.4	2.8
1/28/2022	0.062				
9/7/2022		<0.04	<0.04		
9/8/2022	0.054				
9/9/2022				2	
9/12/2022					2.8
1/31/2023		0.011 (J)	0.0097 (J)		
2/1/2023	0.051				
2/2/2023				1.5	2.6
9/6/2023		0.012 (J)	0.015 (J)	1.7	
9/7/2023	0.052				2.8

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
1/30/2024	0.065		0.015 (J)		2.9
1/31/2024				1.9	
9/4/2024		<0.04	<0.04	1.5	2.6
9/11/2024	0.042				
2/4/2025	<0.04		<0.5 (oX)		
2/6/2025		<0.04			
2/7/2025					2.7
2/10/2025				2.2	
9/10/2025	0.048	<0.04	0.009 (J)		
9/15/2025					2.9
9/16/2025				1.5	

Time Series

Constituent: Boron (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		0.895			
9/8/2016	3.35				
12/7/2016	3.63				
12/8/2016		0.841			
3/30/2017	3.57	0.937			
3/31/2017			2.91		0.407
4/12/2017					0.207
5/12/2017			3.24	1.8	0.311
6/16/2017			3.42	1.88	0.381
7/13/2017	3.41	0.933	3.46	1.97	0.323
8/8/2017				2.1	
10/26/2017	3.41	0.873	3.21	2.05	0.779
11/15/2017					0.667
3/1/2018	2.86				
3/2/2018		0.974	3.49	2.05	0.0478
7/12/2018	3	0.92			
7/13/2018			3.1	1.7	0.043
11/8/2018	3.4	0.8	3.5	1.8	0.054
3/13/2019	3.4	0.8	3.5	1.9	0.028 (J)
10/16/2019				1.5	0.38
10/17/2019			3.6		
10/18/2019	3.6	0.9			
3/4/2020		0.86			
3/9/2020	2.9		3.6	1.8	0.035 (J)
9/23/2020		0.76	3.2	1.7	0.041 (J)
9/25/2020	3.3				
3/8/2021		0.72			
3/10/2021				1.7	0.024 (J)
3/11/2021	2.5		3.4		
9/14/2021		0.7			
9/16/2021			3.4	1.3	0.32
9/17/2021	2.8				
1/19/2022		0.82	4.1		
1/20/2022	2.8				
1/25/2022				2.2	0.035 (J)
9/7/2022	3.3	0.84		2	0.23
9/8/2022			4.3		
2/1/2023		0.68		1.7	0.035 (J)
2/2/2023			3.9		
2/3/2023	2.1				
9/7/2023	2.7	0.73	3.9	1.8	0.052
1/30/2024		0.73			
1/31/2024	2.3			1.9	0.025 (J)
2/1/2024			3.9		
9/4/2024	2.7				
9/5/2024		0.64	3.7	1.7	0.24
2/7/2025	2.2	0.72			
2/10/2025			4.3	1.8	1.5
9/9/2025			4.4	1.8	
9/16/2025	3	0.61			1.5

Time Series

Constituent: Boron (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
10/6/2016					0.053 (J)
1/30/2019					0.14
9/11/2019					0.068
10/21/2019					0.058
9/24/2020					0.074 (J)
9/25/2020		0.27			
12/9/2020			0.79		
3/8/2021		0.24	0.64		
3/12/2021					0.092 (J)
4/15/2021				0.26	
9/9/2021					0.068
9/13/2021		0.24			
9/15/2021			0.76		
9/16/2021				0.27	
1/19/2022			0.88	0.31	
1/20/2022					0.077
1/21/2022		0.24			
6/6/2022	1.4				
9/7/2022			0.87	0.26	
9/8/2022	2.1	0.24			
9/9/2022					0.064
2/1/2023			0.89	0.29	
2/2/2023	1.6	1.6			0.064
5/2/2023	1.1				
9/6/2023		0.24			
9/7/2023			0.76	0.24	0.071
9/8/2023	1.9				
1/30/2024			0.77		
1/31/2024	1.6	0.13			
2/1/2024				0.26	0.083
5/20/2024	1.7				
9/4/2024	1.6				
9/5/2024		0.19	0.72		
9/9/2024				0.22	0.059
2/7/2025			0.61		
2/10/2025	1.9			0.26	
2/11/2025					0.17
2/12/2025		0.22			
9/9/2025				0.26	
9/15/2025					0.061
9/16/2025	2.1	0.034 (J)			
9/17/2025			0.85		

Time Series

Constituent: Boron (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		2.1	0.96	1.1
10/22/2025	0.0083 (J)			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				0.0002 (J)	0.0002 (J)
9/26/2016	<0.0005				
12/7/2016				0.0001 (J)	0.0002 (J)
3/28/2017	<0.0005	<0.0005	<0.0005		
3/30/2017				0.0001 (J)	0.0002 (J)
5/11/2017	8E-05 (J)				
5/12/2017			<0.0005		
5/15/2017		<0.0005			
6/15/2017	<0.0005	<0.0005			
6/16/2017			<0.0005		
7/11/2017		<0.0005	<0.0005		
7/12/2017	<0.0005				
7/13/2017				<0.0005	0.0002 (J)
8/8/2017		<0.0005			
10/24/2017	<0.0005	<0.0005	<0.0005		
10/26/2017				<0.0005	0.0002 (J)
2/27/2018		<0.0005	<0.0005		
3/1/2018				<0.0005	0.00018 (J)
3/8/2018	<0.0005				
7/10/2018		<0.0005	<0.0005		
7/12/2018	0.00013 (J)			<0.0005	0.00024 (J)
11/6/2018		<0.0005	<0.0005		
11/7/2018	<0.0005				
11/8/2018				<0.0005	0.00024 (J)
8/27/2019		<0.0005	<0.0005		
8/28/2019	<0.0005			<0.0005	0.0003 (J)
10/15/2019		<0.0005	<0.0005		
10/16/2019	<0.0005				
10/18/2019				<0.0005	0.00016 (J)
3/2/2020		0.00041 (J)	<0.0005		
3/9/2020	<0.0005			<0.0005	0.00017 (J)
8/11/2020		<0.0005	<0.0005		
8/13/2020	<0.0005			<0.0005	0.00021 (J)
9/22/2020	<0.0005	<0.0005	<0.0005		
9/24/2020				0.00027 (J)	0.00081 (J)
3/1/2021		<0.0005	<0.0005		
3/11/2021				<0.0005	<0.0005
3/12/2021	<0.0005				
9/8/2021			<0.0005		
9/9/2021	<0.0005	<0.0005			
9/15/2021					0.00021 (J)
9/16/2021				0.00013 (J)	
1/18/2022		<0.0005	<0.0005		
1/21/2022				<0.0005	0.0002 (J)
1/28/2022	<0.0005				
9/7/2022		<0.0005	<0.0005		
9/8/2022	<0.0005				
9/9/2022				<0.0005	
9/12/2022					0.00013 (J)
1/31/2023		<0.0005	<0.0005		
2/1/2023	0.00019 (J)				
2/2/2023				<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/6/2023		<0.0005	<0.0005	<0.0005	
9/7/2023	<0.0005				0.00013 (J)
1/30/2024	<0.0005		<0.0005		0.00024 (J)
1/31/2024				<0.0005	
9/4/2024		<0.0005	<0.0005	<0.0005	0.00012 (J)
9/11/2024	<0.0005				
2/4/2025	<0.0005		<0.0005		
2/6/2025		<0.0005			
2/7/2025					<0.0005
2/10/2025				<0.0005	
9/10/2025	<0.0005	<0.0005	<0.0005		
9/15/2025					0.00015 (J)
9/16/2025				0.00016 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		0.0008 (J)			
9/8/2016	<0.0005				
12/7/2016	<0.0005				
12/8/2016		0.0007 (J)			
3/30/2017	<0.0005	0.0007 (J)			
3/31/2017			<0.0005		0.0001 (J)
5/12/2017			<0.0005	8E-05 (J)	0.0002 (J)
6/16/2017			<0.0005	<0.0005	0.0002 (J)
7/13/2017	<0.0005	0.0008 (J)	<0.0005	<0.0005	<0.0005
8/8/2017				<0.0005	
10/26/2017	<0.0005	0.0008 (J)	<0.0005	<0.0005	<0.0005
11/15/2017					<0.0005
3/1/2018	<0.0005				
3/2/2018		0.00085 (J)	<0.0005	0.00019 (J)	0.00016 (J)
7/12/2018	<0.0005	0.00087 (J)			
7/13/2018			<0.0005	0.00019 (J)	<0.0005
11/8/2018	<0.0005	0.00076 (J)	<0.0005	0.00025 (J)	<0.0005
8/28/2019	<0.0005	0.00087 (J)	0.00017 (J)	0.00017 (J)	<0.0005
10/16/2019				0.00017 (J)	0.00017 (J)
10/17/2019			<0.0005		
10/18/2019	<0.0005	0.00088 (J)			
3/4/2020		0.00093 (J)			
3/9/2020	<0.0005		0.00021 (J)	0.00026 (J)	<0.0005
8/13/2020	<0.0005	0.00084 (J)	0.00015 (J)	0.00021 (J)	<0.0005
9/23/2020		0.0008 (J)	0.00018 (J)	0.00024 (J)	<0.0005
9/25/2020	<0.0005				
3/8/2021		0.00072			
3/10/2021				<0.0005	<0.0005
3/11/2021	<0.0005		0.00053		
9/14/2021		0.00086			
9/16/2021			<0.0005	<0.0005	<0.0005
9/17/2021	<0.0005				
1/19/2022		0.00085	<0.0005		
1/20/2022	<0.0005				
1/25/2022				0.00035 (J)	<0.0005
9/7/2022	<0.0005	0.00081		0.0002 (J)	<0.0005
9/8/2022			<0.0005		
2/1/2023		0.00063		<0.0005	<0.0005
2/2/2023			<0.0005		
2/3/2023	<0.0005				
9/7/2023	<0.0005	0.00074	<0.0005	0.00015 (J)	<0.0005
1/30/2024		0.00073			
1/31/2024	<0.0005			0.00026 (J)	<0.0005
2/1/2024			<0.0005		
9/4/2024	<0.0005				
9/5/2024		0.00069	0.00029 (J)	0.00025 (J)	<0.0005
2/7/2025	<0.0005	0.00074			
2/10/2025			<0.0005	0.00029 (J)	0.00024 (J)
9/9/2025			0.00016 (J)	0.00037 (J)	
9/16/2025	<0.0005	0.00062			<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					<0.0005
9/11/2019					<0.0005
10/21/2019					<0.0005
8/13/2020					<0.0005
8/17/2020		0.00059 (J)			
9/24/2020					<0.0005
9/25/2020		0.00027 (J)			
12/9/2020			<0.0005		
3/8/2021		0.00027 (J)	<0.0005		
3/12/2021					<0.0005
4/15/2021				<0.0005	
9/9/2021					<0.0005
9/13/2021		0.00029 (J)			
9/15/2021			<0.0005		
9/16/2021				<0.0005	
1/19/2022			<0.0005	<0.0005	
1/20/2022					<0.0005
1/21/2022		0.00059			
6/6/2022	<0.0005				
9/7/2022			<0.0005	<0.0005	
9/8/2022	<0.0005	0.00027 (J)			
9/9/2022					<0.0005
2/1/2023			<0.0005	<0.0005	
2/2/2023	<0.0005	<0.0005			<0.0005
5/2/2023	<0.0005				
9/6/2023		0.00035 (J)			
9/7/2023			<0.0005	<0.0005	<0.0005
9/8/2023	<0.0005				
1/30/2024			<0.0005		
1/31/2024	<0.0005	0.00033 (J)			
2/1/2024				<0.0005	<0.0005
5/20/2024	<0.0005				
9/4/2024	<0.0005				
9/5/2024		<0.0005	<0.0005		
9/9/2024				<0.0005	<0.0005
2/7/2025			<0.0005		
2/10/2025	<0.0005			<0.0005	
2/11/2025					<0.0005
2/12/2025		0.00014 (J)			
9/9/2025				<0.0005	
9/15/2025					<0.0005
9/16/2025	<0.0005	<0.0005			
9/17/2025			<0.0005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		<0.0005	<0.0005	0.00033 (J)
10/22/2025	<0.0005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				52.5	70.3
12/7/2016				29.7	38.4
3/28/2017	30.8	5.14	8.31		
3/30/2017				62.6	80.3
5/11/2017	35.8				
5/12/2017			8.04		
5/15/2017		6.5			
6/15/2017	36	5.38			
6/16/2017			7.66		
7/11/2017		5.96	7.71		
7/12/2017	40.3				
7/13/2017				64.1	90.8
8/8/2017		5.2			
10/24/2017	30.3	4.93	6.86		
10/26/2017				60.8	81.3
2/27/2018		5.6	6.1		
3/1/2018				57	81.8
3/8/2018	39.8				
7/10/2018		5	5.7		
7/12/2018	34.7			59.1	86.7
11/6/2018		5.5	5.7		
11/7/2018	28.6				
11/8/2018				53.6	86.6
3/12/2019		5.1	5.5		
3/13/2019	26.7			54.8	85.3
10/15/2019		5.1	5.1		
10/16/2019	17.7				
10/18/2019				52.5	97.8
3/2/2020		5.3	5.8		
3/9/2020	23.7			64.2	91.9
9/22/2020	15.5	5	5.4		
9/24/2020				55.9	84.1
3/1/2021		4.1	5.9		
3/11/2021				56	85.8
3/12/2021	18.4				
9/8/2021			6.1		
9/9/2021	18.3	5.3			
9/15/2021					88.3
9/16/2021				63	
1/18/2022		6.1	6.6		
1/21/2022				64.4	91
1/28/2022	19.5				
9/7/2022		5.9	6.4		
9/8/2022	17.2				
9/9/2022				66.2	
9/12/2022					87.6
1/31/2023		6.2	5.7		
2/1/2023	14.1				
2/2/2023				61.7	83.6
9/6/2023		6.6	7	59.1	
9/7/2023	16.3				86.5
1/30/2024	13.7		6.1		80.8

Time Series

Constituent: Calcium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
1/31/2024				60.1	
9/4/2024		6.3	6.5	58.1	83.2
9/11/2024	10.6				
2/4/2025	13.7		7.6 (J)		
2/6/2025		7.3 (J)			
2/7/2025					78.2 (M1)
2/10/2025				71.7	
9/10/2025	10.7	5.9	7.3		
9/15/2025					85.7
9/16/2025				52.2	

Time Series

Constituent: Calcium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		39.6			
9/8/2016	87.2				
12/7/2016	96.7				
12/8/2016		37.9			
3/30/2017	98.9	43.9			
3/31/2017			39.9		18.6 (J)
5/12/2017			43.6	51.7	18.9 (J)
6/16/2017			42.5	47.9	17.7
7/13/2017	95	46.2	43.7	52.3	17.6
8/8/2017				46.3	
10/26/2017	90.6	41.8	40.4	48.2	33.3
11/15/2017					30.6
3/1/2018	79.6				
3/2/2018		43.2	40.1	48.9	8.09
7/12/2018	89.8	47.1			
7/13/2018			43.3	52.4	7.9
11/8/2018	89	43.5	40.1	46.8	8.5
3/13/2019	96.3	41	41.2	47.5	7.6
10/16/2019				49.7	16.2
10/17/2019			46.9		
10/18/2019	108	44.9			
3/4/2020		49.6			
3/9/2020	100		46.9	54	8.6
9/23/2020		41.9	42	50.2	8
9/25/2020	92.5				
3/8/2021		44.9			
3/10/2021				54.2	8.5
3/11/2021	91.9		45.4		
9/14/2021		45.1			
9/16/2021			46	60.6	18
9/17/2021	98.6				
1/19/2022		44.7	48.8		
1/20/2022	96.2				
1/25/2022				60.4	9.2
9/7/2022	92.5	44.8		53.5	13.1
9/8/2022			47.4		
2/1/2023		41.1		64.8	8.3
2/2/2023			48.6		
2/3/2023	77.4				
9/7/2023	81.2	41	43.3	53.6	8.1
1/30/2024		38.2			
1/31/2024	76.6			54.6	8.8
2/1/2024			44.4		
9/4/2024	92				
9/5/2024		38.8	44.6	52.7	13.6
2/7/2025	77.7	42.5			
2/10/2025			47.5	53.6	46
9/9/2025			46.1	52.5	
9/16/2025	97.8	39.2			44.4

Time Series

Constituent: Calcium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					51.4
10/21/2019					31.2
9/24/2020					28.8
9/25/2020		44.7			
12/9/2020			76.9		
3/8/2021		47.7	79.6		
3/12/2021					28.8
4/15/2021				34.6	
9/9/2021					29.2
9/13/2021		51.5			
9/15/2021			72.7		
9/16/2021				28.4	
1/19/2022			74.2	24.1	
1/20/2022					36.3
1/21/2022		49.9			
6/6/2022	44.1				
9/7/2022			73.2	26.5	
9/8/2022	45	46			
9/9/2022					31.4
2/1/2023			70.2	25.3	
2/2/2023	40.1	46.9			32.4
5/2/2023	29.4				
9/6/2023		49.9			
9/7/2023			71.8	24	35.1
9/8/2023	43.9				
1/30/2024			67.9		
1/31/2024	37.8	24.3			
2/1/2024				23.6	33.2
5/20/2024	43.4				
9/4/2024	41				
9/5/2024		41.6	71.3		
9/9/2024				21.9	30.8
2/7/2025			58.2 (BC)		
2/10/2025	41.2			25.4 (M1)	
2/11/2025					75.1
2/12/2025		42.5			
9/9/2025				20.8	
9/15/2025					32.6
9/16/2025	44.3	3.8			
9/17/2025			62		

Time Series

Constituent: Calcium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		18.8	71.6	69.3
10/22/2025	53.8			

Time Series

Constituent: Chloride (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				6.2	7.4
12/7/2016				6.1	7.4
3/28/2017	3.7	3.8	3.6		
3/30/2017				6.3	7.7
5/11/2017	2.3				
5/12/2017			3.8		
5/15/2017		2.2			
6/15/2017	2.6	2			
6/16/2017			3.4		
7/11/2017		2.1	3.1		
7/12/2017	2.3				
7/13/2017				6.5	7.5
8/8/2017		2.2			
10/24/2017	2.7	2.4	3.2		
10/26/2017				6.4	8.2
11/15/2017	2.2		3.1		
2/27/2018		2.5	3.2		
3/1/2018				6.3	8.1
3/8/2018	2.4				
7/10/2018		1.9	2.5		
7/12/2018	2.2			5.8	8
11/6/2018		2.3	2.6		
11/7/2018	2.3				
11/8/2018				5.8	8.1
3/12/2019		2.5	3.3		
3/13/2019	3.6			6.9	9.1
10/15/2019		2.2	3.3		
10/16/2019	2				
10/18/2019				5.8	8.6
3/2/2020		1.9	3		
3/9/2020	1.8			6	8.1
9/22/2020	1.6	1.9	5.2		
9/24/2020				5.6	8.2
3/1/2021		1.9	3.9		
3/11/2021				5.6	8
3/12/2021	2				
9/8/2021			5.9		
9/9/2021	1.8	1.9			
9/15/2021					7.6
9/16/2021				5.6	
1/18/2022		1.9	5.9		
1/21/2022				5.7	8.5
1/28/2022	1.8				
9/7/2022		2.1	8.2		
9/8/2022	1.6				
9/9/2022				5.4	
9/12/2022					8.5
1/31/2023		2.2	7.3		
2/1/2023	1.9				
2/2/2023				5.9	8.7
9/6/2023		2.2	7.8	5.4	
9/7/2023	1.7				8.2

Time Series

Constituent: Chloride (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
1/30/2024	1.6		8.2		8.5
1/31/2024				5.8	
9/4/2024		2.2	9.4	6	9
9/11/2024	1.8				
2/4/2025	1.6		9.3		
2/6/2025		1.8			
2/7/2025					8.7
2/10/2025				5.7	
9/10/2025	1.9	2.1	10.2		
9/15/2025					8.9
9/16/2025				5.4	

Time Series

Constituent: Chloride (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		20			
9/8/2016	9.2				
12/7/2016	8.9				
12/8/2016		18			
3/30/2017	8.7	20			
3/31/2017			5.7		4.4
5/12/2017			5.6	4.2	4.4
6/16/2017			5.5	4.2	4.7
7/13/2017	8.4	21	5.2	4.4	4.7
8/8/2017				4.2	
10/26/2017	8.3	21	6	4.4	4.2
11/15/2017					4.7
3/1/2018	8.1				
3/2/2018		19.5	5.8	4.2	6.4
7/12/2018	7.7	19.9			
7/13/2018			5.9	4	5.3
11/8/2018	7.7	19.3	6.1	<0.25	5.9
3/13/2019	8.2	19.7	6.8	4.6	6.2
10/16/2019				4.2	4.7
10/17/2019			6.9		
10/18/2019	8	19.2			
3/4/2020		20.6			
3/9/2020	7.5		6.7	3.6	5.7
9/23/2020		19.7	7.1	3.6	4.7
9/25/2020	7.9				
3/8/2021		19.1			
3/10/2021				3.6	5
3/11/2021	7.7		7.4		
9/14/2021		16.7			
9/16/2021			7.9	3.4	4.5
9/17/2021	8.3				
1/19/2022		16.5	8.3		
1/20/2022	8				
1/25/2022				3.8	5.4
9/7/2022	8.2	15		4.1	4.9
9/8/2022			8.9		
2/1/2023		16		4.2	5.8
2/2/2023			9.4		
2/3/2023	7.4				
9/7/2023	7.2	13.6	9.2	3.9	5.1
1/30/2024		14.7			
1/31/2024	6.8			3.9	6
2/1/2024			9.8		
9/4/2024	8.2				
9/5/2024		14.4	10.4	4.4	5
2/7/2025	6.9	16.2			
2/10/2025			9.9	3.8	2.7
9/9/2025			10.8	4.5	
9/16/2025	8.3	13			3.2

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chloride (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					7.1
10/21/2019					6.5
9/24/2020					5.7
9/25/2020		13.2			
12/9/2020			17.1		
3/8/2021		12.9	17.4		
3/12/2021					5.9
4/15/2021				10	
9/9/2021					5.8
9/13/2021		11.1			
9/15/2021			17.4		
9/16/2021				2.7	
1/19/2022			16.3	2.5	
1/20/2022					5.6
1/21/2022		11.3			
6/6/2022	4.7				
9/7/2022			16.4	2.9	
9/8/2022	4.5	10.2			
9/9/2022					5.3
2/1/2023			15.9	3.1	
2/2/2023	4.3	11.7			5.8
5/2/2023	2.7				
9/6/2023		10			
9/7/2023			14.9	2.6	5.4
9/8/2023	4.5				
1/30/2024			15.2		
1/31/2024	3.8	7.5			
2/1/2024				3	5.6
5/20/2024	4.5				
9/4/2024	4.7				
9/5/2024		9.1	16.2		
9/9/2024				3.2	5.5
2/7/2025			13.5		
2/10/2025	4.2			2.6	
2/11/2025					6.6
2/12/2025		8.5			
9/9/2025				3	
9/15/2025					5.3
9/16/2025	5.2	8.4			
9/17/2025			13.2		

Time Series

Constituent: Chloride (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		5.7	13.3	10.4
10/22/2025	20.1			

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				<0.005	<0.005
12/7/2016				<0.005	<0.005
3/28/2017	<0.005	0.0008 (J)	0.0023 (J)		
3/30/2017				<0.005	<0.005
5/11/2017	<0.005				
5/12/2017			0.0004 (J)		
5/15/2017		0.0006 (J)			
6/15/2017	<0.005	0.0006 (J)			
6/16/2017			0.0005 (J)		
7/11/2017		0.0005 (J)	<0.005		
7/12/2017	<0.005				
7/13/2017				<0.005	<0.005
8/8/2017		0.0005 (J)			
10/24/2017	<0.005	0.0005 (J)	<0.005		
10/26/2017				0.0007 (J)	0.0005 (J)
2/27/2018		<0.005	<0.005		
3/1/2018				<0.005	<0.005
3/8/2018	<0.005				
7/10/2018		<0.005	<0.005		
7/12/2018	<0.005			<0.005	<0.005
11/6/2018		<0.005	<0.005		
11/7/2018	<0.005				
11/8/2018				<0.005	<0.005
8/27/2019		0.00071 (J)	0.0018 (J)		
8/28/2019	<0.005			<0.005	<0.005
10/15/2019		0.034 (O)	0.0025 (J)		
10/16/2019	<0.005				
10/18/2019				<0.005	0.00092 (J)
3/2/2020		0.0013 (J)	0.00045 (J)		
3/9/2020	<0.005			<0.005	0.00044 (J)
8/11/2020		0.0016 (J)	0.0006 (J)		
8/13/2020	<0.005			0.00058 (J)	<0.005
9/22/2020	<0.005	0.00089 (J)	<0.005		
9/24/2020				<0.005	<0.005
3/1/2021		<0.005	<0.005		
3/11/2021				<0.005	<0.005
3/12/2021	<0.005				
9/8/2021			<0.005		
9/9/2021	<0.005	<0.005			
9/15/2021					<0.005
9/16/2021				<0.005	
1/18/2022		<0.005	<0.005		
1/21/2022				<0.005	<0.005
1/28/2022	<0.005				
9/7/2022		<0.005	<0.005		
9/8/2022	<0.005				
9/9/2022				<0.005	
9/12/2022					<0.005
1/31/2023		<0.005	<0.005		
2/1/2023	<0.005				
2/2/2023				<0.005	<0.005
9/6/2023		<0.005	<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/7/2023	<0.005				<0.005
1/30/2024	<0.005		<0.005		<0.005
1/31/2024				<0.005	
9/4/2024		<0.005	<0.005	<0.005	<0.005
9/11/2024	<0.005				
2/4/2025	<0.005		<0.005		
2/6/2025		<0.005			
2/7/2025					<0.005
2/10/2025				<0.005	
9/10/2025	<0.005	<0.005	<0.005		
9/15/2025					<0.005
9/16/2025				<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		<0.005			
9/8/2016	<0.005				
12/7/2016	<0.005				
12/8/2016		<0.005			
3/30/2017	<0.005	0.0007 (J)			
3/31/2017			0.0005 (J)		<0.005
5/12/2017			0.0007 (J)	<0.005	<0.005
6/16/2017			<0.005	<0.005	<0.005
7/13/2017	<0.005	0.0006 (J)	<0.005	0.0005 (J)	<0.005
8/8/2017				<0.005	
10/26/2017	<0.005	0.0007 (J)	<0.005	<0.005	<0.005
11/15/2017					<0.005
3/1/2018	<0.005				
3/2/2018		<0.005	<0.005	<0.005	<0.005
7/12/2018	<0.005	<0.005			
7/13/2018			<0.005	<0.005	<0.005
11/8/2018	<0.005	<0.005	<0.005	<0.005	<0.005
8/28/2019	<0.005	0.00061 (J)	<0.005	<0.005	0.00049 (J)
10/16/2019				<0.005	<0.005
10/17/2019			<0.005		
10/18/2019	<0.005	0.00078 (J)			
3/4/2020		0.0011 (J)			
3/9/2020	<0.005		0.00088 (J)	<0.005	0.0012 (J)
8/13/2020	<0.005	0.00072 (J)	<0.005	<0.005	<0.005
9/23/2020		0.0011 (J)	<0.005	<0.005	0.0011 (J)
9/25/2020	<0.005				
3/8/2021		0.0006 (J)			
3/10/2021				<0.005	0.0009 (J)
3/11/2021	<0.005		0.0014 (J)		
9/14/2021		0.0021 (J)			
9/16/2021			<0.005	0.0014 (JO)	<0.005
9/17/2021	<0.005				
10/27/2021				<0.005	
1/19/2022		<0.005	<0.005		
1/20/2022	<0.005				
1/25/2022				<0.005	0.0013 (J)
9/7/2022	<0.005	<0.005		<0.005	<0.005
9/8/2022			<0.005		
2/1/2023		<0.005		<0.005	<0.005
2/2/2023			<0.005		
2/3/2023	<0.005				
9/7/2023	<0.005	<0.005	<0.005	<0.005	<0.005
1/30/2024		<0.005			
1/31/2024	<0.005			<0.005	<0.005
2/1/2024			<0.005		
9/4/2024	<0.005				
9/5/2024		<0.005	<0.005	<0.005	<0.005
2/7/2025	<0.005	<0.005			
2/10/2025			<0.005	<0.005	<0.005
9/9/2025			<0.005	<0.005	
9/16/2025	<0.005	<0.005			<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					<0.005
9/11/2019					<0.005
10/21/2019					0.00098 (J)
8/13/2020					<0.005
8/17/2020		<0.005			
9/24/2020					<0.005
9/25/2020		0.00094 (J)			
12/9/2020			<0.005		
3/8/2021		0.00057 (J)	<0.005		
3/12/2021					<0.005
4/15/2021				0.00085 (J)	
9/9/2021					<0.005
9/13/2021		<0.005			
9/15/2021			0.0012 (J)		
9/16/2021				0.0014 (J)	
1/19/2022			<0.005	<0.005	
1/20/2022					<0.005
1/21/2022		<0.005			
6/6/2022	<0.005				
9/7/2022			<0.005	<0.005	
9/8/2022	<0.005	<0.005			
9/9/2022					<0.005
2/1/2023			<0.005	<0.005	
2/2/2023	<0.005	<0.005			<0.005
5/2/2023	<0.005				
9/6/2023		<0.005			
9/7/2023			<0.005	<0.005	<0.005
9/8/2023	<0.005				
1/30/2024			<0.005		
1/31/2024	<0.005	<0.005			
2/1/2024				<0.005	<0.005
5/20/2024	<0.005				
9/4/2024	<0.005				
9/5/2024		<0.005	<0.005		
9/9/2024				<0.005	<0.005
2/7/2025			<0.005		
2/10/2025	<0.005			<0.005	
2/11/2025					<0.005
2/12/2025		<0.005			
9/9/2025				<0.005	
9/15/2025					<0.005
9/16/2025	<0.005	<0.005			
9/17/2025			<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		<0.005	<0.005	<0.005
10/22/2025	0.087			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				<0.005	0.0015 (J)
12/7/2016				0.0005 (J)	0.0017 (J)
3/28/2017	0.025	0.0034 (J)	0.0033 (J)		
3/30/2017				<0.005	0.0016 (J)
5/11/2017	0.0281				
5/12/2017			0.0016 (J)		
5/15/2017		0.0024 (J)			
6/15/2017	0.0322	0.0014 (J)			
6/16/2017			0.0011 (J)		
7/11/2017		0.0007 (J)	0.0008 (J)		
7/12/2017	0.0247				
7/13/2017				0.0003 (J)	0.0016 (J)
8/8/2017		0.0007 (J)			
10/24/2017	0.0267	<0.005	0.0004 (J)		
10/26/2017				0.0003 (J)	0.0016 (J)
2/27/2018		<0.005	<0.005		
3/1/2018				<0.005	0.0018 (J)
3/8/2018	0.027				
7/10/2018		<0.005	<0.005		
7/12/2018	0.024			<0.005	0.0015 (J)
11/6/2018		<0.005	<0.005		
11/7/2018	0.018				
11/8/2018				<0.005	0.0016 (J)
8/27/2019		<0.005	<0.005		
8/28/2019	0.013			<0.005	0.0016 (J)
10/15/2019		0.00064 (J)	<0.005		
10/16/2019	0.009				
10/18/2019				<0.005	0.0016 (J)
3/2/2020		0.00037 (J)	<0.005		
3/9/2020	0.016			<0.005	0.0016 (J)
8/11/2020		0.0012 (J)	<0.005		
8/13/2020	0.0051			<0.005	0.0014 (J)
9/22/2020	0.011	<0.005	<0.005		
9/24/2020				<0.005	0.0013 (J)
3/1/2021		<0.005	<0.005		
3/11/2021				<0.005	0.0017 (J)
3/12/2021	0.0078				
9/8/2021			<0.005		
9/9/2021	0.0064	<0.005			
9/15/2021					0.0016 (J)
9/16/2021				<0.005	
1/18/2022		<0.005	<0.005		
1/21/2022				<0.005	0.0017 (J)
1/28/2022	0.014				
9/7/2022		<0.005	<0.005		
9/8/2022	0.012				
9/9/2022				<0.005	
9/12/2022					0.0014 (J)
1/31/2023		<0.005	<0.005		
2/1/2023	0.008				
2/2/2023				<0.005	0.0017 (J)
9/6/2023		<0.005	<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/7/2023	0.0086				0.0015 (J)
1/30/2024	0.0083		<0.005		0.002 (J)
1/31/2024				<0.005	
9/4/2024		<0.005	<0.005	<0.005	0.0015 (J)
9/11/2024	0.0052				
2/4/2025	0.0077 (J)		<0.005		
2/6/2025		<0.005			
2/7/2025					0.0017 (J)
2/10/2025				<0.005	
9/10/2025	0.0055	<0.005	<0.005		
9/15/2025					0.0017 (J)
9/16/2025				<0.005	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		0.0382			
9/8/2016	0.0068 (J)				
12/7/2016	0.0071 (J)				
12/8/2016		0.0318			
3/30/2017	0.006 (J)	0.0364			
3/31/2017			0.0064 (J)		0.0022 (J)
5/12/2017			0.0037 (J)	0.0015 (J)	0.0016 (J)
6/16/2017			0.0041 (J)	0.0003 (J)	0.0009 (J)
7/13/2017	0.0063 (J)	0.0394	0.0037 (J)	0.0005 (J)	0.0004 (J)
8/8/2017				<0.005	
10/26/2017	0.0062 (J)	0.0371	0.0022 (J)	<0.005	0.0031 (J)
11/15/2017					0.0028 (J)
3/1/2018	0.0058 (J)				
3/2/2018		0.0425	0.0017 (J)	<0.005	<0.005
7/12/2018	0.0059 (J)	0.044			
7/13/2018			0.0017 (J)	<0.005	<0.005
11/8/2018	0.0062 (J)	0.036	0.002 (J)	<0.005	<0.005
8/28/2019	0.0067	0.044	0.0013 (J)	<0.005	<0.005
10/16/2019				<0.005	<0.005
10/17/2019			0.0013 (J)		
10/18/2019	0.007	0.043			
3/4/2020		0.055			
3/9/2020	0.007		0.0015 (J)	<0.005	<0.005
8/13/2020	0.006	0.044	0.0015 (J)	<0.005	<0.005
9/23/2020		0.046	0.0011 (J)	<0.005	<0.005
9/25/2020	0.0061				
3/8/2021		0.039			
3/10/2021				<0.005	<0.005
3/11/2021	0.0058		0.0016 (J)		
9/14/2021		0.05			
9/16/2021			0.0012 (J)	0.0032 (JO)	<0.005
9/17/2021	0.0076				
10/27/2021				<0.005	
1/19/2022		0.042	0.0011 (J)		
1/20/2022	0.0061				
1/25/2022				<0.005	<0.005
9/7/2022	0.0065	0.037		<0.005	<0.005
9/8/2022			0.001 (J)		
2/1/2023		0.035		<0.005	<0.005
2/2/2023			0.0014 (J)		
2/3/2023	0.005				
9/7/2023	0.0059	0.035	0.001 (J)	<0.005	<0.005
1/30/2024		0.037			
1/31/2024	0.0058			<0.005	<0.005
2/1/2024			0.0011 (J)		
9/4/2024	0.0065				
9/5/2024		0.035	0.0011 (J)	<0.005	<0.005
2/7/2025	0.0065	0.041			
2/10/2025			<0.005	<0.005	0.0062
9/9/2025			<0.005	<0.005	
9/16/2025	0.0064	0.033			0.0042 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					<0.005
9/11/2019					0.0003 (J)
10/21/2019					0.00031 (J)
7/23/2020		0.086			
8/3/2020		0.087			
8/13/2020					<0.005
8/17/2020		0.077			
9/24/2020					<0.005
9/25/2020		0.034			
12/9/2020			0.012		
3/8/2021		0.029	0.0042 (J)		
3/12/2021					<0.005
4/15/2021				0.0025 (J)	
9/9/2021					<0.005
9/13/2021		0.035			
9/15/2021			0.0065		
9/16/2021				0.00054 (J)	
1/19/2022			0.006	<0.005	
1/20/2022					<0.005
1/21/2022		0.034			
6/6/2022	0.0028 (J)				
9/7/2022			0.004 (J)	<0.005	
9/8/2022	0.0019 (J)	0.028			
9/9/2022					<0.005
2/1/2023			0.004 (J)	<0.005	
2/2/2023	0.0016 (J)	<0.005			<0.005
5/2/2023	0.0017 (J)				
9/6/2023		0.031			
9/7/2023			0.0027 (J)	0.0004 (J)	<0.005
9/8/2023	0.0016 (J)				
1/30/2024			0.0026 (J)		
1/31/2024	0.0015 (J)	0.065			
2/1/2024				<0.005	<0.005
5/20/2024	0.0013 (J)				
9/4/2024	0.0011 (J)				
9/5/2024		0.031	0.002 (J)		
9/9/2024				<0.005	<0.005
2/7/2025			0.0035 (J)		
2/10/2025	0.0015 (J)			<0.005	
2/11/2025					<0.005
2/12/2025		0.035			
9/9/2025				<0.005	
9/15/2025					<0.005
9/16/2025	0.0014 (J)	0.002 (J)			
9/17/2025			0.0037 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		0.0044 (J)	0.041	0.0025 (J)
10/22/2025	0.0069			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				0.827	1.48
12/7/2016				0.56	0.22
3/28/2017	6.36	0.866	0.257		
3/30/2017				0.302	0.519
5/11/2017	3.45				
5/12/2017			0.165		
5/15/2017		0.288			
6/15/2017	4.58	1.01 (U)			
6/16/2017			0.732 (U)		
7/11/2017		0.254 (U)	0.461 (U)		
7/12/2017	4.37				
7/13/2017				0.731 (U)	1.11
8/8/2017		1.48			
10/24/2017	4.46	0.472 (U)	0.724 (U)		
10/26/2017				1.04 (U)	1.13 (U)
2/27/2018		1.22	0.714 (U)		
3/1/2018				0.344 (U)	0.985 (U)
3/8/2018	2.14				
7/10/2018		0.362 (U)	0.426 (U)		
7/12/2018	4.65			0.566 (U)	0.615 (U)
11/6/2018		0.859 (U)	0.455 (U)		
11/7/2018	3.05				
11/8/2018				0.623 (U)	0.58 (U)
8/27/2019		1.97	1.3 (U)		
8/28/2019	2.68			1.24 (U)	0.517 (U)
10/15/2019		0.319 (U)	1.21 (U)		
10/16/2019	1.89				
1/6/2020				2.01	0.527 (U)
3/2/2020		0.419 (U)	1.3		
3/9/2020	3.51			0.499 (U)	1.04
8/11/2020		0.812 (U)	0.965 (U)		
8/13/2020	1.04			0.99	0.132 (U)
9/22/2020	2.27	0.45 (U)	0.216 (U)		
9/24/2020				1.03 (U)	0.593 (U)
3/1/2021		0.552 (U)	0.389 (U)		
3/11/2021				0.956 (U)	0.0784 (U)
3/12/2021	1.63				
9/8/2021			0.051 (U)		
9/9/2021	2.72	0.779 (U)			
9/15/2021					2.37
9/16/2021				0.691 (U)	
1/18/2022		1.26	0.729 (U)		
1/21/2022				0.343 (U)	0.0873 (U)
1/28/2022	2.1				
9/7/2022		0.504 (U)	0.588 (U)		
9/8/2022	1.69				
9/9/2022				0.719	
9/12/2022					0.479
1/31/2023		0.416 (U)	0.314 (U)		
2/1/2023	1.92				
2/2/2023				1.23	0.462 (U)
9/6/2023		0.651 (U)	0.572 (U)	0.732 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/7/2023	2.16				0.358 (U)
1/30/2024	0.478 (U)		0.305 (U)		0.606 (U)
1/31/2024				0.14 (U)	
9/4/2024		0.174 (U)	0.593 (U)	0.461 (U)	0.546 (U)
9/11/2024	1.58				
2/4/2025	1.84		0.887		
2/6/2025		0.48 (U)			
2/7/2025					0.577 (U)
2/10/2025				1.22	
9/10/2025	1.85	1.26	0.465 (U)		
9/15/2025					0.212 (U)
9/16/2025				0.202 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		1.44			
9/8/2016	1.44				
12/7/2016	2.16				
12/8/2016		2.56			
3/30/2017	0.264	0.0844			
3/31/2017			0.404		1.39
5/12/2017			0.206	1.18	1.29
6/16/2017			0.966 (U)	0.332 (U)	1.61
7/13/2017	0.517 (U)	0.963 (U)	0.387 (U)	0.304 (U)	1.14
8/8/2017				1.4	
10/26/2017	0.875 (U)	0.748 (U)	0.619 (U)	0.477 (U)	2.04
11/15/2017					1.99
3/1/2018	1.24				
3/2/2018		0.485 (U)	1.31	1.13	0.918 (U)
7/12/2018	0.935	0.231 (U)			
7/13/2018			0.667 (U)	0.407 (U)	1.36
11/8/2018	1.15 (U)	0.465 (U)	0.911 (U)	0.393 (U)	0.719 (U)
8/28/2019	1.15 (U)	0.592 (U)	0.751 (U)	1.77	1.38
10/16/2019				2.12	0.826 (U)
1/6/2020	1.4	1.6	0.965 (U)		
3/4/2020		1.62			
3/9/2020	1.36		0.819 (U)	1.33	1.39
8/13/2020	0.626 (U)	1.6	0.897 (U)	1.46	2.66
9/23/2020		1.28 (U)	0.131 (U)	0.563 (U)	1.8
9/25/2020	0.181 (U)				
3/8/2021		0.714 (U)			
3/10/2021				0.568 (U)	1.6
3/11/2021	0.969 (U)		1.55		
9/14/2021		1.8			
9/16/2021			0.201 (U)	1.74	2.06
9/17/2021	0.911 (U)				
1/19/2022		1.7	0.853 (U)		
1/20/2022	0.172 (U)				
1/25/2022				0.323 (U)	0.834 (U)
9/7/2022	0.637	0.772		0.174	1.82
9/8/2022			0.699		
2/1/2023		0.603 (U)		1.37	1.85
2/2/2023			0.498 (U)		
2/3/2023	0.878 (U)				
9/7/2023	0.728 (U)	0.902 (U)	0.565 (U)	0.782 (U)	0.91
1/30/2024		0.534 (U)			
1/31/2024	0.156 (U)			0.0595 (U)	0.588 (U)
2/1/2024			0.667 (U)		
9/4/2024	0.203 (U)				
9/5/2024		0.217 (U)	0.547 (U)	1.15	1.6
2/7/2025	0.945 (U)	1.02 (U)			
2/10/2025			0.743 (U)	0.792 (U)	4.19
9/9/2025			0.962 (U)	0.625 (U)	
9/16/2025	0.359 (U)	0.754 (U)			3.35

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					1.97
10/21/2019					1.82
8/13/2020					1.63
8/17/2020		1.4 (U)			
9/24/2020					1.28 (U)
9/25/2020		0.799 (U)			
12/9/2020			1.25 (U)		
3/8/2021		0.168 (U)	1.87		
3/12/2021					1.18 (U)
4/15/2021				0.945 (U)	
9/9/2021					1.7
9/13/2021		0.774 (U)			
9/15/2021			2.01		
9/16/2021				0.241 (U)	
1/19/2022			2.45	0.738 (U)	
1/20/2022					1.71
1/21/2022		0.769 (U)			
6/6/2022	1.23				
9/7/2022			3.05	0.755	
9/8/2022	2	0.643 (U)			
9/9/2022					1.96
2/1/2023			6.88	1.76	
2/2/2023	0.868 (U)	0.981			1.6
5/2/2023	0.374 (U)				
9/6/2023		0.326 (U)			
9/7/2023			2.88	0.902	2.24
9/8/2023	0.986 (U)				
1/30/2024			6.38		
1/31/2024	0.58 (U)	0.0563 (U)			
2/1/2024				1.25	2.08
5/20/2024	1.05 (U)				
9/4/2024	0.563 (U)				
9/5/2024		0.44 (U)	3.88		
9/9/2024				1.51	2.14
2/7/2025			3.6		
2/10/2025	0.573 (U)			1.07 (U)	
2/11/2025					3.14
2/12/2025		1.12			
9/9/2025				0.622 (U)	
9/15/2025					2.37
9/16/2025	1.65	0.745 (U)			
9/17/2025			3.09		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		0.367 (U)	1.38	0.293 (U)
10/22/2025	1.74			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				0.08 (J)	0.1 (J)
12/7/2016				0.21 (J)	0.27 (J)
3/28/2017	0.12 (J)	1.2 (O)	0.06 (J)		
3/30/2017				0.05 (J)	0.12 (J)
5/11/2017	0.07 (J)				
5/12/2017			<0.1		
5/15/2017		0.005 (J)			
6/15/2017	0.19 (J)	0.02 (J)			
6/16/2017			0.008 (J)		
7/11/2017		0.06 (J)	0.007 (J)		
7/12/2017	0.1 (J)				
7/13/2017				0.06 (J)	0.13 (J)
8/8/2017		0.04 (J)			
10/24/2017	0.06 (J)	<0.1	<0.1		
10/26/2017				0.08 (J)	0.47
11/15/2017	0.05 (J)		<0.1		
2/27/2018		<0.1	<0.1		
3/1/2018				0.22 (J)	<0.3
3/8/2018	0.25 (J)				
7/10/2018		0.082 (J)	<0.1		
7/12/2018	0.071 (J)			0.32	0.23 (J)
11/6/2018		<0.1	<0.1		
11/7/2018	<0.3				
11/8/2018				<0.1	<0.3
3/12/2019		0.039 (J)	<0.1		
3/13/2019	0.13 (J)			0.08 (J)	0.084 (J)
8/27/2019		<0.1	<0.1		
8/28/2019	0.42			0.074 (J)	0.066 (J)
10/15/2019		<0.1	<0.1		
10/16/2019	0.11 (J)				
10/18/2019				0.075 (J)	0.073 (J)
3/2/2020		<0.1	<0.1		
3/9/2020	0.1 (J)			0.054 (J)	0.064 (J)
8/11/2020		<0.1	<0.1		
8/13/2020	0.062 (J)			0.068 (J)	0.06 (J)
9/22/2020	0.099 (J)	<0.1	<0.1		
9/24/2020				0.061 (J)	0.057 (J)
3/1/2021		<0.1	<0.1		
3/11/2021				0.057 (J)	0.058 (J)
3/12/2021	0.076 (J)				
9/8/2021			<0.1		
9/9/2021	0.099 (J)	<0.1			
9/15/2021					0.06 (J)
9/16/2021				0.084 (J)	
1/18/2022		<0.1	<0.1		
1/21/2022				0.053 (J)	0.1
1/28/2022	0.08 (J)				
9/7/2022		0.061 (J)	0.056 (J)		
9/8/2022	0.11				
9/9/2022				0.082 (J)	
9/12/2022					0.12
1/31/2023		0.053 (J)	0.05 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
2/1/2023	0.1				
2/2/2023				0.089 (J)	0.1
9/6/2023		<0.1	<0.1	0.053 (J)	
9/7/2023	0.082 (J)				0.072 (J)
1/30/2024	0.07 (J)		<0.1		0.078 (J)
1/31/2024				0.069 (J)	
9/4/2024		0.059 (J)	0.06 (J)	0.1	0.12
9/11/2024	0.06 (J)				
2/4/2025	0.096 (J)		0.055 (J)		
2/6/2025		0.061 (J)			
2/7/2025					0.099 (J)
2/10/2025				<0.1	
9/10/2025	0.085 (J)	0.051 (J)	0.055 (J)		
9/15/2025					0.1
9/16/2025				0.061 (J)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		0.5			
9/8/2016	0.17 (J)				
12/7/2016	0.33				
12/8/2016		0.35			
3/30/2017	0.17 (J)	0.21 (J)			
3/31/2017			0.02 (J)		0.16 (J)
5/12/2017			<0.1	0.37	0.12 (J)
6/16/2017			0.03 (J)	0.12 (J)	0.16 (J)
7/13/2017	0.14 (J)	0.2 (J)	0.03 (J)	0.12 (J)	0.13 (J)
8/8/2017				0.11 (J)	
10/26/2017	0.54	0.5	<0.1	0.11 (J)	0.29 (J)
11/15/2017					0.28 (J)
3/1/2018	0.13 (J)				
3/2/2018		0.33	<0.1	0.23 (J)	0.18 (J)
7/12/2018	0.13 (J)	0.57			
7/13/2018			0.25 (J)	0.099 (J)	0.19 (J)
11/8/2018	0.072 (J)	0.11 (J)	0.5	0.04 (J)	0.12 (J)
3/13/2019	0.085 (J)	0.15 (J)	0.07 (J)	0.12 (J)	0.086 (J)
8/28/2019	0.086 (J)	0.14	<0.1	0.1	0.07 (J)
10/16/2019				0.093 (J)	0.13 (J)
10/17/2019			0.038 (J)		
10/18/2019	0.14 (J)	0.13 (J)			
3/4/2020		0.11 (J)			
3/9/2020	0.075 (J)		<0.1	0.082 (J)	0.068 (J)
8/13/2020	0.076 (J)	0.16	<0.1	0.076 (J)	0.084 (J)
9/23/2020		0.054 (J)	<0.1	0.07 (J)	0.064 (J)
9/25/2020	0.086 (J)				
3/8/2021		0.17			
3/10/2021				0.07 (J)	0.055 (J)
3/11/2021	0.083 (J)		<0.1		
9/14/2021		0.13			
9/16/2021			0.069 (J)	0.55	0.11
9/17/2021	0.13				
1/19/2022		0.12	<0.1		
1/20/2022	0.1				
1/25/2022				0.067 (J)	0.054 (J)
9/7/2022	0.11	0.14		0.11	0.11
9/8/2022			0.096 (J)		
2/1/2023		0.15		0.11	0.1
2/2/2023			0.068 (J)		
2/3/2023	0.12				
9/7/2023	0.092 (J)	0.14	<0.1	0.096 (J)	0.063 (J)
1/30/2024		0.12			
1/31/2024	0.11			0.092 (J)	0.086 (J)
2/1/2024			0.057 (J)		
9/4/2024	0.14				
9/5/2024		0.14	0.071 (J)	0.11	0.11
2/7/2025	0.13	0.12			
2/10/2025			<0.1	0.067 (J)	0.21
9/9/2025			0.067 (J)	0.099 (J)	
9/16/2025	0.081 (J)	0.1			0.23

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					0.43
10/21/2019					0.23 (J)
8/13/2020					0.11
8/17/2020		<0.1			
9/24/2020					0.093 (J)
9/25/2020		<0.1			
12/9/2020			0.075 (J)		
3/8/2021		<0.1	0.32		
3/12/2021					0.11
4/15/2021				0.3	
9/9/2021					0.14
9/13/2021		<0.1			
9/15/2021			0.078 (J)		
9/16/2021				0.34	
1/19/2022			0.058 (J)	0.25	
1/20/2022					0.099 (J)
1/21/2022		<0.1			
6/6/2022	0.056 (J)				
9/7/2022			0.11	0.27	
9/8/2022	0.093 (J)	0.072 (J)			
9/9/2022					0.13
2/1/2023			0.089 (J)	0.3	
2/2/2023	0.11	0.052 (J)			0.16
5/2/2023	0.076 (J)				
9/6/2023		<0.1			
9/7/2023			0.1	0.32	0.13
9/8/2023	<0.1				
1/30/2024			0.081 (J)		
1/31/2024	0.07 (J)	0.063 (J)			
2/1/2024				0.29	0.14
5/20/2024	0.062 (J)				
9/4/2024	0.082 (J)				
9/5/2024		0.069 (J)	0.13		
9/9/2024				0.34	0.18
2/7/2025			0.098 (J)		
2/10/2025	<0.1			0.24	
2/11/2025					0.21
2/12/2025		<0.1			
9/9/2025				0.3	
9/15/2025					0.14
9/16/2025	<0.1	<0.1			
9/17/2025			0.058 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		0.098 (J)	0.079 (J)	<0.1
10/22/2025	0.66			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				<0.001	<0.001
12/7/2016				<0.001	<0.001
3/28/2017	<0.001	9E-05 (J)	<0.001		
3/30/2017				0.0014 (J)	<0.001
5/11/2017	<0.001				
5/12/2017			8E-05 (J)		
5/15/2017		0.0001 (J)			
6/15/2017	<0.001	0.0002 (J)			
6/16/2017			<0.001		
7/11/2017		<0.001	<0.001		
7/12/2017	<0.001				
7/13/2017				<0.001	<0.001
8/8/2017		7E-05 (J)			
10/24/2017	<0.001	<0.001	<0.001		
10/26/2017				<0.001	0.0001 (J)
2/27/2018		<0.001	<0.001		
3/1/2018				<0.001	<0.001
3/8/2018	<0.001				
7/10/2018		<0.001	<0.001		
7/12/2018	<0.001			<0.001	<0.001
11/6/2018		<0.001	<0.001		
11/7/2018	<0.001				
11/8/2018				<0.001	<0.001
8/27/2019		7.8E-05 (J)	<0.001		
8/28/2019	<0.001			6.1E-05 (J)	<0.001
10/15/2019		<0.001	<0.001		
10/16/2019	<0.001				
10/18/2019				<0.001	7.4E-05 (J)
3/2/2020		7.4E-05 (J)	<0.001		
3/9/2020	<0.001			<0.001	6.1E-05 (J)
8/11/2020		0.0003 (J)	<0.001		
8/13/2020	<0.001			<0.001	<0.001
9/22/2020	<0.001	7.8E-05 (J)	<0.001		
9/24/2020				<0.001	0.00014 (J)
3/1/2021		<0.001	<0.001		
3/11/2021				<0.001	0.00014 (J)
3/12/2021	<0.001				
9/8/2021			<0.001		
9/9/2021	<0.001	<0.001			
9/15/2021					<0.001
9/16/2021				<0.001	
1/18/2022		<0.001	<0.001		
1/21/2022				<0.001	<0.001
1/28/2022	<0.001				
9/7/2022		<0.001	<0.001		
9/8/2022	<0.001				
9/9/2022				<0.001	
9/12/2022					<0.001
1/31/2023		<0.001	<0.001		
2/1/2023	<0.001				
2/2/2023				<0.001	<0.001
9/6/2023		<0.001	<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/7/2023	<0.001				<0.001
1/30/2024	<0.001		<0.001		<0.001
1/31/2024				<0.001	
9/4/2024		<0.001	<0.001	<0.001	<0.001
9/11/2024	<0.001				
2/4/2025	<0.001		<0.001		
2/6/2025		<0.001			
2/7/2025					<0.001
2/10/2025				<0.001	
9/10/2025	<0.001	<0.001	<0.001		
9/15/2025					<0.001
9/16/2025				<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		<0.001			
9/8/2016	<0.001				
12/7/2016	<0.001				
12/8/2016		<0.001			
3/30/2017	<0.001	7E-05 (J)			
3/31/2017			<0.001		<0.001
5/12/2017			9E-05 (J)	<0.001	0.0001 (J)
6/16/2017			<0.001	<0.001	<0.001
7/13/2017	<0.001	<0.001	<0.001	<0.001	<0.001
8/8/2017				<0.001	
10/26/2017	<0.001	7E-05 (J)	<0.001	<0.001	<0.001
11/15/2017					9E-05 (J)
3/1/2018	<0.001				
3/2/2018		<0.001	<0.001	<0.001	<0.001
7/12/2018	<0.001	<0.001			
7/13/2018			<0.001	<0.001	<0.001
11/8/2018	<0.001	<0.001	<0.001	<0.001	<0.001
8/28/2019	8E-05 (J)	8.1E-05 (J)	<0.001	<0.001	<0.001
10/16/2019				<0.001	<0.001
10/17/2019			<0.001		
10/18/2019	<0.001	0.00015 (J)			
3/4/2020		0.00017 (J)			
3/9/2020	<0.001		4.7E-05 (J)	<0.001	9E-05 (J)
8/13/2020	<0.001	4.9E-05 (J)	5.6E-05 (J)	<0.001	5.9E-05 (J)
9/23/2020		0.00028 (J)	<0.001	0.00035 (J)	0.00017 (J)
9/25/2020	0.00022 (J)				
3/8/2021		5.4E-05 (J)			
3/10/2021				6.7E-05 (J)	0.0001 (J)
3/11/2021	<0.001		0.00025 (J)		
9/14/2021		<0.001			
9/16/2021			<0.001	<0.001	<0.001
9/17/2021	<0.001				
1/19/2022		<0.001	<0.001		
1/20/2022	<0.001				
1/25/2022				<0.001	<0.001
9/7/2022	<0.001	<0.001		<0.001	<0.001
9/8/2022			<0.001		
2/1/2023		<0.001		<0.001	<0.001
2/2/2023			<0.001		
2/3/2023	<0.001				
9/7/2023	<0.001	<0.001	<0.001	<0.001	0.0002 (J)
1/30/2024		<0.001			
1/31/2024	<0.001			<0.001	<0.001
2/1/2024			<0.001		
9/4/2024	<0.001				
9/5/2024		<0.001	<0.001	<0.001	<0.001
2/7/2025	<0.001	<0.001			
2/10/2025			<0.001	<0.001	<0.001
9/9/2025			0.0024	0.0018	
9/16/2025	<0.001	<0.001			<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					<0.001
9/11/2019					<0.001
10/21/2019					<0.001
8/13/2020					<0.001
8/17/2020		8.8E-05 (J)			
9/24/2020					<0.001
9/25/2020		0.00021 (J)			
12/9/2020			5.2E-05 (J)		
3/8/2021		0.00018 (J)	<0.001		
3/12/2021					<0.001
4/15/2021				0.00014 (J)	
9/9/2021					<0.001
9/13/2021		<0.001			
9/15/2021			<0.001		
9/16/2021				<0.001	
1/19/2022			<0.001	<0.001	
1/20/2022					<0.001
1/21/2022		<0.001			
6/6/2022	<0.001				
9/7/2022			<0.001	<0.001	
9/8/2022	<0.001	<0.001			
9/9/2022					<0.001
2/1/2023			<0.001	<0.001	
2/2/2023	<0.001	<0.001			<0.001
5/2/2023	<0.001				
9/6/2023		<0.001			
9/7/2023			<0.001	<0.001	<0.001
9/8/2023	<0.001				
1/30/2024			<0.001		
1/31/2024	<0.001	<0.001			
2/1/2024				<0.001	<0.001
5/20/2024	<0.001				
9/4/2024	<0.001				
9/5/2024		<0.001	<0.001		
9/9/2024				<0.001	<0.001
2/7/2025			<0.001		
2/10/2025	<0.001			0.0037	
2/11/2025					0.0031
2/12/2025		<0.001			
9/9/2025				0.0021	
9/15/2025					<0.001
9/16/2025	<0.001	<0.001			
9/17/2025			<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		<0.001	<0.001	<0.001
10/22/2025	0.00094 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				<0.002	0.0032 (J)
12/7/2016				<0.002	0.0035 (J)
3/28/2017	0.0108 (J)	0.0054 (J)	0.0025 (J)		
3/30/2017				0.0029 (J)	0.0035 (J)
5/11/2017	0.0087 (J)				
5/12/2017			0.0016 (J)		
5/15/2017		0.002 (J)			
6/15/2017	0.0088 (J)	<0.002			
6/16/2017			0.0016 (J)		
7/11/2017		<0.002	<0.002		
7/12/2017	0.0075 (J)				
7/13/2017				<0.002	0.0032 (J)
8/8/2017		<0.002			
10/24/2017	0.0103 (J)	<0.002	<0.002		
10/26/2017				0.0018 (J)	0.0034 (J)
2/27/2018		<0.002	0.0013 (J)		
3/1/2018				0.0024 (J)	0.0033 (J)
3/8/2018	0.011 (J)				
7/10/2018		<0.002	0.0012 (J)		
7/12/2018	0.0084 (J)			0.0028 (J)	0.0034 (J)
11/6/2018		<0.002	0.0014 (J)		
11/7/2018	0.0077 (J)				
11/8/2018				0.0023 (J)	0.003 (J)
8/27/2019		<0.002	0.0014 (J)		
8/28/2019	0.0092 (J)			0.0025 (J)	0.0034 (J)
10/15/2019		<0.002	0.0012 (J)		
10/16/2019	0.0094 (J)				
10/18/2019				0.0026 (J)	0.0032 (J)
3/2/2020		<0.002	0.0011 (J)		
3/9/2020	0.0077 (J)			0.0017 (J)	0.0033 (J)
8/11/2020		0.0019 (J)	0.0015 (J)		
8/13/2020	0.0085 (J)			0.0023 (J)	0.0028 (J)
9/22/2020	0.0089 (J)	<0.002	0.0012 (J)		
9/24/2020				0.0021 (J)	0.0029 (J)
3/1/2021		<0.002	0.0012 (J)		
3/11/2021				0.0024 (J)	0.003 (J)
3/12/2021	0.0083 (J)				
9/8/2021			0.0013 (J)		
9/9/2021	0.0091 (J)	<0.002			
9/15/2021					0.0029 (J)
9/16/2021				0.0021 (J)	
1/18/2022		<0.002	0.0013 (J)		
1/21/2022				0.002 (J)	0.0025 (J)
1/28/2022	0.0091 (J)				
9/7/2022		<0.002	0.0012 (J)		
9/8/2022	0.0083 (J)				
9/9/2022				0.0019 (J)	
9/12/2022					0.003 (J)
1/31/2023		<0.002	0.0014 (J)		
2/1/2023	0.0088 (J)				
2/2/2023				0.0018 (J)	0.0026 (J)
9/6/2023		<0.002	0.0013 (J)	0.0021 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/7/2023	0.0085 (J)				0.0026 (J)
1/30/2024	0.0087 (J)		<0.002		0.003 (J)
1/31/2024				<0.002	
9/4/2024		<0.002	<0.002	0.0019 (J)	0.0029 (J)
9/11/2024	0.0078 (J)				
2/4/2025	0.0085 (J)		<0.002		
2/6/2025		<0.002			
2/7/2025					0.00317 (J)
2/10/2025				<0.002	
9/10/2025	0.00847	0.000952 (J)	0.00141 (J)		
9/15/2025					0.00277
9/16/2025				0.00252	

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		0.0022 (J)			
9/8/2016	<0.002				
12/7/2016	<0.002				
12/8/2016		<0.002			
3/30/2017	<0.002	0.0023 (J)			
3/31/2017			0.0052 (J)		0.0031 (J)
5/12/2017			0.0054 (J)	0.0016 (J)	0.003 (J)
6/16/2017			0.0048 (J)	<0.002	0.0031 (J)
7/13/2017	<0.002	0.0023 (J)	0.0044 (J)	<0.002	0.0029 (J)
8/8/2017				<0.002	
10/26/2017	<0.002	0.0021 (J)	0.0043 (J)	<0.002	0.0034 (J)
11/15/2017					0.0034 (J)
3/1/2018	<0.002				
3/2/2018		0.0023 (J)	0.0047 (J)	<0.002	0.0028 (J)
7/12/2018	<0.002	0.0022 (J)			
7/13/2018			0.0041 (J)	<0.002	0.0026 (J)
11/8/2018	<0.002	0.002 (J)	0.0039 (J)	<0.002	0.0025 (J)
8/28/2019	<0.002	0.0022 (J)	0.0046 (J)	<0.002	0.0024 (J)
10/16/2019				<0.002	0.0032 (J)
10/17/2019			0.0047 (J)		
10/18/2019	<0.002	0.0024 (J)			
3/4/2020		0.0027 (J)			
3/9/2020	<0.002		0.0048 (J)	<0.002	0.0025 (J)
8/13/2020	<0.002	0.0022 (J)	0.0044 (J)	<0.002	0.0031 (J)
9/23/2020		0.0022 (J)	0.0043 (J)	<0.002	0.0023 (J)
9/25/2020	<0.002				
3/8/2021		0.0022 (J)			
3/10/2021				<0.002	0.0023 (J)
3/11/2021	<0.002		0.005 (J)		
9/14/2021		0.003 (J)			
9/16/2021			0.0044 (J)	0.00082 (J)	0.0023 (J)
9/17/2021	<0.002				
1/19/2022		0.0024 (J)	0.0046 (J)		
1/20/2022	<0.002				
1/25/2022				<0.002	0.0026 (J)
9/7/2022	<0.002	0.0023 (J)		<0.002	0.0025 (J)
9/8/2022			0.0048 (J)		
2/1/2023		0.0021 (J)		<0.002	0.0021 (J)
2/2/2023			0.0048 (J)		
2/3/2023	<0.002				
9/7/2023	<0.002	0.0022 (J)	0.0046 (J)	<0.002	0.0022 (J)
1/30/2024		0.0023 (J)			
1/31/2024	<0.002			<0.002	0.0021 (J)
2/1/2024			0.0045 (J)		
9/4/2024	<0.002				
9/5/2024		0.002 (J)	0.0045 (J)	<0.002	0.0021 (J)
2/7/2025	<0.002	0.00245 (J)			
2/10/2025			0.0051 (J)	0.00102 (J)	0.0037 (J)
9/9/2025			0.00453	0.000956 (J)	
9/16/2025	<0.002	0.00284			0.00464

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					<0.002
9/11/2019					0.0078 (J)
10/21/2019					0.0078 (J)
8/13/2020					0.0087 (J)
8/17/2020		0.0013 (J)			
9/24/2020					0.0084 (J)
9/25/2020		0.0027 (J)			
12/9/2020			0.014 (J)		
3/8/2021		0.0024 (J)	0.015 (J)		
3/12/2021					0.0087 (J)
4/15/2021				0.0045 (J)	
9/9/2021					0.0094 (J)
9/13/2021		0.0022 (J)			
9/15/2021			0.014 (J)		
9/16/2021				0.0038 (J)	
1/19/2022			0.013 (J)	0.0044 (J)	
1/20/2022					0.0092 (J)
1/21/2022		0.0021 (J)			
6/6/2022	0.013 (J)				
9/7/2022			0.013 (J)	0.0039 (J)	
9/8/2022	0.01 (J)	0.0023 (J)			
9/9/2022					0.0085 (J)
2/1/2023			0.013 (J)	0.0038 (J)	
2/2/2023	0.0059 (J)	<0.002			0.0082 (J)
5/2/2023	0.0045 (J)				
9/6/2023		0.0023 (J)			
9/7/2023			0.013 (J)	0.0043 (J)	0.0092 (J)
9/8/2023	0.0055 (J)				
1/30/2024			0.013 (J)		
1/31/2024	0.0045 (J)	<0.002			
2/1/2024				0.0042 (J)	0.0094 (J)
5/20/2024	0.005 (J)				
9/4/2024	0.0046 (J)				
9/5/2024		0.0019 (J)	0.011 (J)		
9/9/2024				0.0042 (J)	0.0093 (J)
2/7/2025			0.0127 (J)		
2/10/2025	0.0052 (J)			0.00375 (J)	
2/11/2025					0.0165 (J)
2/12/2025		0.00209 (J)			
9/9/2025				0.0042	
9/15/2025					0.00895
9/16/2025	0.00558	0.00275			
9/17/2025			0.0125		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		0.00523	0.00728	0.00721
10/22/2025	0.0117			

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				<0.0002	<0.0002
12/7/2016				<0.0002	<0.0002
3/28/2017	<0.0002	<0.0002	<0.0002		
3/30/2017				6E-05 (J)	7E-05 (J)
5/11/2017	<0.0002				
5/12/2017			6E-05 (J)		
5/15/2017		<0.0002			
6/15/2017	8E-05 (J)	7E-05 (J)			
6/16/2017			7E-05 (J)		
7/11/2017		<0.0002	<0.0002		
7/12/2017	<0.0002				
7/13/2017				<0.0002	<0.0002
8/8/2017		<0.0002			
10/24/2017	<0.0002	<0.0002	<0.0002		
10/26/2017				<0.0002	<0.0002
2/27/2018		<0.0002	<0.0002		
3/1/2018				<0.0002	<0.0002
3/8/2018	<0.0002				
7/10/2018		5.5E-05 (J)	0.0001 (J)		
7/12/2018	<0.0002			4.4E-05 (J)	4E-05 (J)
11/6/2018		<0.0002	4.1E-05 (J)		
11/7/2018	<0.0002				
11/8/2018				<0.0002	<0.0002
8/27/2019		<0.0002	<0.0002		
8/28/2019	<0.0002			<0.0002	<0.0002
10/15/2019		<0.0002	<0.0002		
10/16/2019	<0.0002				
10/18/2019				<0.0002	<0.0002
3/2/2020		<0.0002	<0.0002		
3/9/2020	<0.0002			<0.0002	<0.0002
8/11/2020		<0.0002	<0.0002		
8/13/2020	<0.0002			<0.0002	<0.0002
9/22/2020	<0.0002	<0.0002	<0.0002		
9/24/2020				9.1E-05 (J)	8.5E-05 (J)
3/1/2021		<0.0002	9E-05 (J)		
3/12/2021	<0.0002				
9/8/2021			9.6E-05 (J)		
9/9/2021	<0.0002	<0.0002			
9/15/2021					<0.0002
9/16/2021				<0.0002	
1/18/2022		<0.0002	0.00015 (J)		
1/21/2022				<0.0002	<0.0002
1/28/2022	<0.0002				
9/7/2022		<0.0002	0.00013 (J)		
9/8/2022	<0.0002				
9/9/2022				<0.0002	
9/12/2022					<0.0002
1/31/2023		<0.0002	<0.0002		
2/1/2023	<0.0002				
2/2/2023				<0.0002	<0.0002
9/6/2023		<0.0002	<0.0002	<0.0002	
9/7/2023	<0.0002				<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
1/30/2024	<0.0002		<0.0002		<0.0002
1/31/2024				<0.0002	
9/4/2024		<0.0002	<0.0002	<0.0002	<0.0002
9/11/2024	<0.0002				
2/4/2025	<0.0002		<0.0002		
2/6/2025		<0.0002			
2/7/2025					<0.0002
2/10/2025				<0.0002	
9/10/2025	<0.0002	<0.0002	0.0004		
9/15/2025					<0.0002
9/16/2025				<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		4.4E-05 (J)			
9/8/2016	<0.0002				
12/7/2016	<0.0002				
12/8/2016		<0.0002			
3/30/2017	5.9E-05 (J)	9E-05 (J)			
3/31/2017			<0.0002		<0.0002
5/12/2017			<0.0002	<0.0002	<0.0002
6/16/2017			7E-05 (J)	7E-05 (J)	7E-05 (J)
7/13/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/8/2017				<0.0002	
10/26/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
11/15/2017					<0.0002
3/1/2018	<0.0002				
3/2/2018		<0.0002	<0.0002	<0.0002	<0.0002
7/12/2018	<0.0002	4.5E-05 (J)			
7/13/2018			<0.0002	<0.0002	<0.0002
11/8/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/28/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
10/16/2019				<0.0002	<0.0002
10/17/2019			<0.0002		
10/18/2019	<0.0002	<0.0002			
3/4/2020		<0.0002			
3/9/2020	<0.0002		<0.0002	<0.0002	<0.0002
8/13/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/23/2020		<0.0002	<0.0002	<0.0002	<0.0002
9/25/2020	<0.0002				
9/14/2021		<0.0002			
9/16/2021			<0.0002	<0.0002	<0.0002
9/17/2021	<0.0002				
1/19/2022		<0.0002	<0.0002		
1/20/2022	<0.0002				
1/25/2022				<0.0002	<0.0002
9/7/2022	<0.0002	<0.0002		<0.0002	<0.0002
9/8/2022			<0.0002		
2/1/2023		<0.0002		<0.0002	<0.0002
2/2/2023			<0.0002		
2/3/2023	<0.0002				
9/7/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1/30/2024		<0.0002			
1/31/2024	<0.0002			<0.0002	<0.0002
2/1/2024			<0.0002		
9/4/2024	<0.0002				
9/5/2024		<0.0002	<0.0002	<0.0002	<0.0002
2/7/2025	<0.0002	<0.0002			
2/10/2025			<0.0002	<0.0002	<0.0002
9/9/2025			<0.0002	<0.0002	
9/16/2025	<0.0002	<0.0002			<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					<0.0002
9/11/2019					<0.0002
10/21/2019					<0.0002
8/13/2020					<0.0002
8/17/2020		0.00011 (J)			
9/24/2020					<0.0002
9/25/2020		<0.0002			
12/9/2020			8.7E-05 (J)		
3/12/2021					<0.0002
4/15/2021				<0.0002	
9/9/2021					<0.0002
9/13/2021		<0.0002			
9/15/2021			<0.0002		
9/16/2021				<0.0002	
1/19/2022			<0.0002	<0.0002	
1/20/2022					<0.0002
1/21/2022		<0.0002			
6/6/2022	<0.0002				
9/7/2022			0.00014 (J)	<0.0002	
9/8/2022	<0.0002	<0.0002			
9/9/2022					<0.0002
2/1/2023			<0.0002	<0.0002	
2/2/2023	<0.0002	<0.0002			<0.0002
5/2/2023	<0.0002				
9/6/2023		<0.0002			
9/7/2023			<0.0002	<0.0002	<0.0002
9/8/2023	<0.0002				
1/30/2024			<0.0002		
1/31/2024	<0.0002	<0.0002			
2/1/2024				<0.0002	<0.0002
5/20/2024	<0.0002				
9/4/2024	<0.0002				
9/5/2024		<0.0002	<0.0002		
9/9/2024				<0.0002	<0.0002
2/7/2025			<0.0002		
2/10/2025	<0.0002			<0.0002	
2/11/2025					<0.0002
2/12/2025		<0.0002			
9/9/2025				<0.0002	
9/15/2025					<0.0002
9/16/2025	<0.0002	<0.0002			
9/17/2025			<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		<0.0002	<0.0002	<0.0002
10/22/2025	<0.0002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				<0.01	<0.01
12/7/2016				<0.01	<0.01
3/28/2017	0.0242	<0.01	0.0009 (J)		
3/30/2017				<0.01	0.0011 (J)
5/11/2017	0.0375				
5/12/2017			<0.01		
5/15/2017		<0.01			
6/15/2017	0.0409	<0.01			
6/16/2017			<0.01		
7/11/2017		<0.01	<0.01		
7/12/2017	0.0321				
7/13/2017				<0.01	0.0012 (J)
8/8/2017		<0.01			
10/24/2017	0.0227	<0.01	<0.01		
10/26/2017				<0.01	0.0011 (J)
2/27/2018		<0.01	<0.01		
3/1/2018				<0.01	<0.01
3/8/2018	0.035				
7/10/2018		<0.01	<0.01		
7/12/2018	0.034			<0.01	<0.01
11/6/2018		<0.01	<0.01		
11/7/2018	0.029				
11/8/2018				<0.01	<0.01
8/27/2019		<0.01	<0.01		
8/28/2019	0.031			<0.01	<0.01
10/15/2019		<0.01	<0.01		
10/16/2019	0.037				
10/18/2019				<0.01	<0.01
3/2/2020		<0.01	<0.01		
3/9/2020	0.026			<0.01	0.001 (J)
8/11/2020		<0.01	<0.01		
8/13/2020	0.012			<0.01	0.00098 (J)
9/22/2020	0.039	<0.01	<0.01		
9/24/2020				<0.01	0.001 (J)
3/1/2021		<0.01	<0.01		
3/11/2021				<0.01	0.00092 (J)
3/12/2021	0.018				
9/8/2021			<0.01		
9/9/2021	0.025	<0.01			
9/15/2021					0.00099 (J)
9/16/2021				<0.01	
1/18/2022		<0.01	<0.01		
1/21/2022				<0.01	0.0013 (J)
1/28/2022	0.026				
9/7/2022		<0.01	<0.01		
9/8/2022	0.027				
9/9/2022				<0.01	
9/12/2022					0.0012 (J)
1/31/2023		<0.01	<0.01		
2/1/2023	0.023				
2/2/2023				<0.01	0.0015 (J)
9/6/2023		<0.01	<0.01	<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/7/2023	0.022				0.0013 (J)
1/30/2024	0.025		<0.01		0.0018 (J)
1/31/2024				<0.01	
9/4/2024		<0.01	<0.01	<0.01	0.0012 (J)
9/11/2024	0.01				
2/4/2025	0.029 (J)		<0.01		
2/6/2025		<0.01			
2/7/2025					<0.01
2/10/2025				<0.01	
9/10/2025	0.011	<0.01	<0.01		
9/15/2025					<0.01
9/16/2025				<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		<0.01			
9/8/2016	<0.01				
12/7/2016	<0.01				
12/8/2016		<0.01			
3/30/2017	<0.01	<0.01			
3/31/2017			<0.01		0.0124
5/12/2017			<0.01	0.275	0.0117
6/16/2017			<0.01	0.19	0.0087 (J)
7/13/2017	<0.01	<0.01	<0.01	0.211	0.0053 (J)
8/8/2017				0.207	
10/26/2017	<0.01	<0.01	<0.01	0.226	0.0244
11/15/2017					0.0237
3/1/2018	<0.01				
3/2/2018		<0.01	<0.01	0.215	0.0072 (J)
7/12/2018	<0.01	<0.01			
7/13/2018			<0.01	0.22	0.007 (J)
11/8/2018	<0.01	<0.01	<0.01	0.2	0.0059 (J)
8/28/2019	<0.01	<0.01	<0.01	0.21	0.0059 (J)
10/16/2019				0.22	0.01
10/17/2019			<0.01		
10/18/2019	<0.01	<0.01			
3/4/2020		<0.01			
3/9/2020	<0.01		<0.01	0.19	0.0062 (J)
8/13/2020	<0.01	<0.01	<0.01	0.19	0.011
9/23/2020		<0.01	<0.01	0.2	0.0056 (J)
9/25/2020	<0.01				
3/8/2021		<0.01			
3/10/2021				0.2	0.0056 (J)
3/11/2021	<0.01		<0.01		
9/14/2021		<0.01			
9/16/2021			<0.01	0.18	0.009 (J)
9/17/2021	<0.01				
1/19/2022		<0.01	<0.01		
1/20/2022	<0.01				
1/25/2022				0.23	0.0057 (J)
9/7/2022	<0.01	<0.01		0.2	0.0067 (J)
9/8/2022			<0.01		
2/1/2023		<0.01		0.19	0.0058 (J)
2/2/2023			<0.01		
2/3/2023	<0.01				
9/7/2023	0.0016 (J)	<0.01	0.0013 (J)	0.18	0.0056 (J)
1/30/2024		<0.01			
1/31/2024	<0.01			0.2	0.0066 (J)
2/1/2024			<0.01		
9/4/2024	<0.01				
9/5/2024		<0.01	<0.01	0.19	0.0076 (J)
2/7/2025	<0.01	<0.01			
2/10/2025			<0.01	0.18	0.029
9/9/2025			<0.01	0.19	
9/16/2025	<0.01	<0.01			0.029

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					<0.01
9/11/2019					<0.01
10/21/2019					<0.01
8/13/2020					<0.01
8/17/2020		<0.01			
9/24/2020					<0.01
9/25/2020		<0.01			
12/9/2020			<0.01		
3/8/2021		<0.01	0.0011 (J)		
3/12/2021					<0.01
4/15/2021				0.037	
9/9/2021					<0.01
9/13/2021		<0.01			
9/15/2021			<0.01		
9/16/2021				0.032	
1/19/2022			<0.01	0.032	
1/20/2022					<0.01
1/21/2022		<0.01			
6/6/2022	0.00093 (J)				
9/7/2022			<0.01	0.028	
9/8/2022	<0.01	<0.01			
9/9/2022					<0.01
2/1/2023			<0.01	0.03	
2/2/2023	<0.01	0.19			<0.01
5/2/2023	0.00089 (J)				
9/6/2023		<0.01			
9/7/2023			<0.01	0.026	<0.01
9/8/2023	<0.01				
1/30/2024			<0.01		
1/31/2024	0.00092 (J)	<0.01			
2/1/2024				0.027	<0.01
5/20/2024	<0.01				
9/4/2024	<0.01				
9/5/2024		<0.01	<0.01		
9/9/2024				0.026	<0.01
2/7/2025			<0.01		
2/10/2025	<0.01			0.028	
2/11/2025					<0.01
2/12/2025		<0.01			
9/9/2025				0.025	
9/15/2025					<0.01
9/16/2025	<0.01	<0.01			
9/17/2025			<0.01		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		<0.01	<0.01	<0.01
10/22/2025	0.0025 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH, Field (SU) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				6.32	6.01
12/7/2016				6.32	6.07
3/28/2017	6.29	5.9	5.94		
3/30/2017				6.22	5.97
5/11/2017	6.6				
5/12/2017			5.46		
5/15/2017		5.72			
6/15/2017	6.41	5.74			
6/16/2017			5.81		
7/11/2017		5.62	5.74		
7/12/2017	5.91				
7/13/2017				6.3	6.11
8/8/2017		5.6			
10/24/2017	5.51	5.71	5.86		
10/26/2017					6.06
11/15/2017	6.5		5.77		
2/27/2018		5.5	5.66		
3/1/2018				6.28	6.05
3/8/2018	6.18				
7/10/2018		5.44	5.63		
7/12/2018	6.33			6.43	6.05
11/6/2018		5.71	5.79		
11/7/2018	6.22				
11/8/2018				6.36	6.07
3/12/2019		5.52	5.74		
3/13/2019	6			6.26	6.05
8/27/2019		5.53	5.87		
8/28/2019	6.04			6.27	5.98
10/15/2019		5.61	5.88		
10/16/2019	6.69				
10/18/2019				6.26	6
1/6/2020				6.26	6.02
3/2/2020		5.54	5.77		
3/9/2020	6.41			6.34	6.12
8/11/2020		5.86	5.96		
8/13/2020	6.17			6.34	6.05
9/22/2020	6.43	6.01	6.06		
9/24/2020				6.3	6.05
3/1/2021		5.43	5.8		
3/11/2021				6.49	6.22
3/12/2021	6.38				
9/8/2021			5.76		
9/9/2021	6.41	5.5			
9/15/2021					6.08
9/16/2021				6.33	
1/18/2022		5.5	5.51		
1/21/2022				6.31	6.08
1/28/2022	6.35				
9/7/2022		5.6	5.65		
9/8/2022	6.32			6.3	
9/9/2022				6.3	
9/12/2022					6.05

Time Series

Constituent: pH, Field (SU) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
1/31/2023		5.59	5.78		
2/1/2023	6.42				
2/2/2023				6.23	6.03
9/6/2023		5.5	5.82	6.26	
9/7/2023	6.51				6.07
1/30/2024	6.28		5.79		5.94
1/31/2024				6.32	
9/4/2024		5.51	5.85	6.24	6.01
9/11/2024	6.1				
2/4/2025	6.52		5.7		
2/6/2025		5.64			
2/7/2025					6.12
2/10/2025				6.42	
9/10/2025	6.14	5.4	5.55		
9/15/2025					6.1
9/16/2025				6.28	

Time Series

Constituent: pH, Field (SU) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		4.77			
9/8/2016	6.47				
12/7/2016	6.43				
12/8/2016		4.77			
3/30/2017	6.42	4.84			
3/31/2017			6.25		6.26
4/12/2017					6.19
5/12/2017			6.23	6.63	6.2
6/16/2017			6.22	6.63	6.22
7/13/2017	6.47	4.85	6.15	6.84	6.35
8/8/2017				6.57	
10/26/2017	6.49	4.86	6.64	7.01	6.69
11/15/2017					6.22
3/1/2018	6.37				
3/2/2018		4.67	6.18	6.58	6.1
7/12/2018	6.45	4.63			
7/13/2018			6.19	6.62	5.95
11/8/2018	6.49	4.79	6.23	6.5	6
3/13/2019	6.28	4.6	6.19	6.57	6.08
8/28/2019	6.41	4.68	6.22	6.6	6.09
10/16/2019				6.6	6.19
10/17/2019			6.14		
10/18/2019	6.35	4.71			
1/6/2020	6.4	4.68	6.15		
3/4/2020		4.64			
3/9/2020	6.37		6.23	6.6	6.12
8/13/2020	6.39	4.65	6.28	6.63	6.26
9/23/2020		4.78	6.23	6.6	6.08
9/25/2020	6.38				
3/8/2021		4.79			
3/10/2021				6.74	6.13
3/11/2021	6.66		6.28		
9/14/2021		4.67			
9/16/2021			6.2	6.79 (O)	6.16
9/17/2021	6.49				
10/27/2021				6.56	
1/19/2022		4.66	6.21		
1/20/2022	6.52				
1/25/2022				6.53	6.02
9/7/2022	6.43	4.54		6.62	6.2
9/8/2022			6.21		
2/1/2023		4.66		6.6	6.12
2/2/2023			6.27		
2/3/2023	6.49				
9/7/2023	6.55	4.67	6.21	6.6	6.16
1/30/2024		4.64			
1/31/2024	6.58			6.62	6.26
2/1/2024			6.27		
9/4/2024	6.45				
9/5/2024		4.6	6.19	6.53	6.17
2/7/2025	6.6	4.62			
2/10/2025			6.25	6.62	6.4

Time Series

Constituent: pH, Field (SU) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/9/2025			6.19	6.58	
9/16/2025	6.44	4.59			6.29

Time Series

Constituent: pH, Field (SU) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
9/11/2019					6.27
10/21/2019					6.24
7/23/2020		4.88			
8/3/2020		4.93			
8/13/2020					6.4
8/17/2020		5.02			
9/24/2020					6.55
9/25/2020		5.53			
12/9/2020			6.48		
3/8/2021		5.32	6.37		
3/12/2021					6.34
4/15/2021				6.83	
9/9/2021					6.31
9/13/2021		5.27			
9/15/2021			6.38		
9/16/2021				6.74	
1/19/2022			6.62	6.74	
1/20/2022					6.32
1/21/2022		5.23			
6/6/2022	6.33				
9/7/2022			6.44	6.72	
9/8/2022	6.32	5.24			
9/9/2022					6.22
2/1/2023			6.39	6.72	
2/2/2023	6.35	5.3			6.33
5/2/2023	6.21				
9/6/2023		5.25			
9/7/2023			6.52	6.77	6.38
9/8/2023	6.25				
1/30/2024			6.37		
1/31/2024	6.19	5.35			
2/1/2024				6.81	6.41
5/20/2024	6.2				
9/4/2024	6.11				
9/5/2024		5.2	6.46		
9/9/2024				6.7	6.35
2/7/2025			6.35		
2/10/2025	6.3			6.73	
2/11/2025					6.72
2/12/2025		5.24			
9/9/2025				6.65	
9/15/2025					6.34
9/16/2025	6.14	5.16			
9/17/2025			6.12		

Time Series

Constituent: pH, Field (SU) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		5.89	5.59	5.37
10/22/2025	6.99			

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				<0.005	<0.005
12/7/2016				<0.005	<0.005
3/28/2017	<0.005	<0.005	<0.005		
3/30/2017				<0.005	<0.005
5/11/2017	<0.005				
5/12/2017			<0.005		
5/15/2017		<0.005			
6/15/2017	<0.005	<0.005			
6/16/2017			<0.005		
7/11/2017		<0.005	<0.005		
7/12/2017	<0.005				
7/13/2017				<0.005	<0.005
8/8/2017		<0.005			
10/24/2017	<0.005	<0.005	<0.005		
10/26/2017				<0.005	<0.005
2/27/2018		<0.005	<0.005		
3/1/2018				<0.005	<0.005
3/8/2018	<0.005				
7/10/2018		<0.005	<0.005		
7/12/2018	<0.005			<0.005	<0.005
11/6/2018		<0.005	<0.005		
11/7/2018	<0.005				
11/8/2018				<0.005	<0.005
8/27/2019		<0.005	<0.005		
8/28/2019	<0.005			<0.005	<0.005
10/15/2019		<0.005	<0.005		
10/16/2019	<0.005				
10/18/2019				<0.005	<0.005
3/2/2020		<0.005	<0.005		
3/9/2020	<0.005			<0.005	<0.005
8/11/2020		<0.005	<0.005		
8/13/2020	<0.005			<0.005	<0.005
9/22/2020	<0.005	<0.005	<0.005		
9/24/2020				<0.005	<0.005
3/1/2021		<0.005	<0.005		
3/11/2021				<0.005	0.0019 (J)
3/12/2021	<0.005				
9/8/2021			<0.005		
9/9/2021	<0.005	<0.005			
9/15/2021					<0.005
9/16/2021				<0.005	
1/18/2022		<0.005	<0.005		
1/21/2022				<0.005	<0.005
1/28/2022	<0.005				
9/7/2022		<0.005	<0.005		
9/8/2022	<0.005				
9/9/2022				<0.005	
9/12/2022					<0.005
1/31/2023		<0.005	<0.005		
2/1/2023	<0.005				
2/2/2023				<0.005	<0.005
9/6/2023		<0.005	<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/7/2023	<0.005				<0.005
1/30/2024	<0.005		<0.005		<0.005
1/31/2024				<0.005	
9/4/2024		<0.005	<0.005	<0.005	<0.005
9/11/2024	<0.005				
2/4/2025	<0.005		<0.005		
2/6/2025		<0.005			
2/7/2025					<0.005
2/10/2025				<0.005	
9/10/2025	<0.005	<0.005	<0.005		
9/15/2025					<0.005
9/16/2025				<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		0.0019 (J)			
9/8/2016	<0.005				
12/7/2016	<0.005				
12/8/2016		0.0022 (J)			
3/30/2017	<0.005	0.0023 (J)			
3/31/2017			<0.005		<0.005
5/12/2017			<0.005	<0.005	<0.005
6/16/2017			<0.005	<0.005	<0.005
7/13/2017	<0.005	0.0025 (J)	<0.005	<0.005	<0.005
8/8/2017				<0.005	
10/26/2017	<0.005	0.0036 (J)	<0.005	<0.005	<0.005
11/15/2017					<0.005
3/1/2018	<0.005				
3/2/2018		0.0045 (J)	<0.005	<0.005	<0.005
7/12/2018	<0.005	<0.005			
7/13/2018			<0.005	<0.005	<0.005
11/8/2018	<0.005	0.0016 (J)	<0.005	<0.005	<0.005
8/28/2019	<0.005	0.0017 (J)	<0.005	<0.005	<0.005
10/16/2019				<0.005	<0.005
10/17/2019			<0.005		
10/18/2019	<0.005	0.0027 (J)			
3/4/2020		0.0049 (J)			
3/9/2020	<0.005		<0.005	<0.005	<0.005
8/13/2020	<0.005	0.0018 (J)	<0.005	<0.005	<0.005
9/23/2020		0.0067 (J)	<0.005	<0.005	<0.005
9/25/2020	<0.005				
3/8/2021		0.0023 (J)			
3/10/2021				0.0017 (J)	<0.005
3/11/2021	<0.005		0.0027 (J)		
9/14/2021		0.0015 (J)			
9/16/2021			<0.005	<0.005	<0.005
9/17/2021	<0.005				
1/19/2022		<0.005	<0.005		
1/20/2022	<0.005				
1/25/2022				<0.005	<0.005
9/7/2022	<0.005	0.0018 (J)		<0.005	<0.005
9/8/2022			<0.005		
2/1/2023		<0.005		<0.005	<0.005
2/2/2023			<0.005		
2/3/2023	<0.005				
9/7/2023	<0.005	<0.005	<0.005	<0.005	<0.005
1/30/2024		0.0027 (J)			
1/31/2024	<0.005			<0.005	<0.005
2/1/2024			<0.005		
9/4/2024	<0.005				
9/5/2024		<0.005	<0.005	<0.005	<0.005
2/7/2025	<0.005	0.0037 (J)			
2/10/2025			<0.005	<0.005	<0.005
9/9/2025			<0.005	<0.005	
9/16/2025	<0.005	<0.005			<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					<0.005
9/11/2019					<0.005
10/21/2019					<0.005
8/13/2020					<0.005
8/17/2020		<0.005			
9/24/2020					<0.005
9/25/2020		<0.005			
12/9/2020			<0.005		
3/8/2021		0.0019 (J)	<0.005		
3/12/2021					<0.005
4/15/2021				<0.005	
9/9/2021					<0.005
9/13/2021		<0.005			
9/15/2021			<0.005		
9/16/2021				<0.005	
1/19/2022			<0.005	<0.005	
1/20/2022					<0.005
1/21/2022		<0.005			
6/6/2022	<0.005				
9/7/2022			<0.005	<0.005	
9/8/2022	<0.005	<0.005			
9/9/2022					<0.005
2/1/2023			<0.005	<0.005	
2/2/2023	<0.005	<0.005			<0.005
5/2/2023	<0.005				
9/6/2023		<0.005			
9/7/2023			<0.005	<0.005	<0.005
9/8/2023	<0.005				
1/30/2024			<0.005		
1/31/2024	<0.005	<0.005			
2/1/2024				<0.005	<0.005
5/20/2024	<0.005				
9/4/2024	<0.005				
9/5/2024		<0.005	<0.005		
9/9/2024				<0.005	<0.005
2/7/2025			<0.005		
2/10/2025	<0.005			<0.005	
2/11/2025					<0.005
2/12/2025		<0.005			
9/9/2025				<0.005	
9/15/2025					<0.005
9/16/2025	<0.005	<0.005			
9/17/2025			<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		<0.005	<0.005	<0.005
10/22/2025	<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				97	270
12/7/2016				100	250
3/28/2017	49	2.7	17		
3/30/2017				110	290
5/11/2017	21				
5/12/2017			17		
5/15/2017		1			
6/15/2017	16	0.86 (J)			
6/16/2017			11		
7/11/2017		1.4	11		
7/12/2017	10				
7/13/2017				200 (O)	270
8/8/2017		1.5			
10/24/2017	15	1.4	9.6		
10/26/2017				97	260
11/15/2017	3.8		7.8		
2/27/2018		0.54 (J)	7.4		
3/1/2018				94.6	242
3/8/2018	9.7				
7/10/2018		0.25 (J)	7.2		
7/12/2018	8			89.2	256
11/6/2018		0.12 (J)	7.3		
11/7/2018	12.8				
11/8/2018				102	291
3/12/2019		0.35 (J)	7		
3/13/2019	23.7			92.2	300
10/15/2019		0.16 (J)	7.4		
10/16/2019	15.1				
10/18/2019				76.4	239
3/2/2020		<1	8.5		
3/9/2020	9.5			90.3	244
9/22/2020	13.5	<1	6.5		
9/24/2020				84.1	240
3/1/2021		<1	5.2		
3/11/2021				81.9	154
3/12/2021	8.8				
9/8/2021			6.1		
9/9/2021	11.9	<1			
9/15/2021					219
9/16/2021				95	
1/18/2022		<1	6.3		
1/21/2022				89.8	188
1/28/2022	13.1				
9/7/2022		<1	7		
9/8/2022	12				
9/9/2022				96.6	
9/12/2022					234
1/31/2023		<1	6.8		
2/1/2023	13.3				
2/2/2023				94.3	239
9/6/2023		<1	7.2	83.4	
9/7/2023	15.4				212

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
1/30/2024	13.4		7.9		220
1/31/2024				98.4	
9/4/2024		<1	9.9	95.2	214
9/11/2024	11.5				
2/4/2025	11.5		8.4		
2/6/2025		<1			
2/7/2025					205
2/10/2025				98.6	
9/10/2025	12.5	<1	9.2		
9/15/2025					211
9/16/2025				77.9	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		230			
9/8/2016	280				
12/7/2016	250				
12/8/2016		270			
3/30/2017	310	240			
3/31/2017			110		21
5/12/2017			100	50	17
6/16/2017			100	47	20
7/13/2017	220	220	110	49	17
8/8/2017				48	
10/26/2017	210	220	100	48	31
11/15/2017					29
3/1/2018	166				
3/2/2018		219	98.5	44.7	10.1
7/12/2018	169	222			
7/13/2018			136	43.3	8.6
11/8/2018	200	273	118	43.5	9.7
3/13/2019	265	445	233	44.1	8.4
10/16/2019				32.1	13.3
10/17/2019			99.4		
10/18/2019	182	205			
3/4/2020		177			
3/9/2020	171		100	37.4	7.6
9/23/2020		190	99.8	38.7	5.9
9/25/2020	153				
3/8/2021		191			
3/10/2021				38.4	6.4
3/11/2021	123		76.7		
9/14/2021		186			
9/16/2021			101	22.3	17.9
9/17/2021	156				
1/19/2022		177	97.2		
1/20/2022	123				
1/25/2022				36.3	7.1
9/7/2022	146	203		36.5	11.6
9/8/2022			117		
2/1/2023		189		35.6	6.9
2/2/2023			117		
2/3/2023	115				
9/7/2023	124	177	106	34.2	6.9
1/30/2024		179			
1/31/2024	106			33.2	7.2
2/1/2024			111		
9/4/2024	142				
9/5/2024		160	107	35.9	14.9
2/7/2025	98.7	145			
2/10/2025			106	31.9	50.1
9/9/2025			109	33.4	
9/16/2025	148	152			53.9

Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					74.7
10/21/2019					55.3
9/24/2020					50.6
9/25/2020		385			
12/9/2020			220		
3/8/2021		388	228		
3/12/2021					46.5
4/15/2021				95.6	
9/9/2021					49.2
9/13/2021		351			
9/15/2021			240		
9/16/2021				21.2	
1/19/2022			220	18.4	
1/20/2022					50.3
1/21/2022		344			
6/6/2022	83.9				
9/7/2022			263	18.2	
9/8/2022	84.8	399			
9/9/2022					45.8
2/1/2023			256	17.9	
2/2/2023	67.6	356			52.1
5/2/2023	47.3				
9/6/2023		322			
9/7/2023			236	16.3	49.3
9/8/2023	87.8				
1/30/2024			249		
1/31/2024	73.7	340			
2/1/2024				15.5	49.4
5/20/2024	88				
9/4/2024	87.8				
9/5/2024		322	236		
9/9/2024				13.8	44.2
2/7/2025			211		
2/10/2025	84			16	
2/11/2025					90.1
2/12/2025		311			
9/9/2025				14.4	
9/15/2025					41.7
9/16/2025	93.9	302			
9/17/2025			225		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/8/2025 3:49 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		88.1	280	271
10/22/2025	292			

Time Series

Constituent: TDS (mg/L) Analysis Run 12/8/2025 3:50 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				279	437
12/7/2016				300	478
3/28/2017	202	39	90		
3/30/2017				273	448
5/11/2017	241				
5/12/2017			92		
5/15/2017		88			
6/15/2017	251	65			
6/16/2017			100		
7/11/2017		25	59		
7/12/2017	218				
7/13/2017				312	504
8/8/2017		53			
10/24/2017	671 (O)	49	117		
10/26/2017				340	554
11/15/2017	241		90		
2/27/2018		43	79		
3/1/2018				311	492
3/8/2018	213				
7/10/2018		80	88		
7/12/2018	198			290	478
11/6/2018		65	85		
11/7/2018	200				
11/8/2018				295	507
3/12/2019		43	74		
3/13/2019	201			286	487
10/15/2019		70	89		
10/16/2019	126				
10/18/2019				269	494
3/2/2020		52	67		
3/9/2020	171			357	554
9/22/2020	142	46	74		
9/24/2020				280	489
3/1/2021		25	62		
3/11/2021				255	463
3/12/2021	124				
9/8/2021			75		
9/9/2021	131	53			
9/15/2021					474
9/16/2021				278	
1/18/2022		54	76		
1/21/2022				316	482
1/28/2022	155				
9/7/2022		34	82		
9/8/2022	129				
9/9/2022				300	
9/12/2022					468
1/31/2023		163	87		
2/1/2023	116				
2/2/2023				302	478
9/6/2023		46	80	324	
9/7/2023	123				526

Time Series

Constituent: TDS (mg/L) Analysis Run 12/8/2025 3:50 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
1/30/2024	130		86		492
1/31/2024				310	
9/4/2024		61	97	348	503
9/11/2024	122				
2/4/2025	125		79		
2/6/2025		63			
2/7/2025					477
2/10/2025				343	
9/10/2025	115	58	80		
9/15/2025					490
9/16/2025				291	

Time Series

Constituent: TDS (mg/L) Analysis Run 12/8/2025 3:50 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		583 (O)			
9/8/2016	522				
12/7/2016	565				
12/8/2016		319			
3/30/2017	496	344			
3/31/2017			270		138
5/12/2017			287	300	243
6/16/2017			309	271	155
7/13/2017	508	386	275	246	122
8/8/2017				278	
10/26/2017	532	373	319	287	234
11/15/2017					188
3/1/2018	440				
3/2/2018		359	264	252	73
7/12/2018	463	365			
7/13/2018			297	275	95
11/8/2018	485	399	295	277	112
3/13/2019	526	351	278	267	95
10/16/2019				218	108
10/17/2019			281		
10/18/2019	489	360			
3/4/2020		400			
3/9/2020	508		209	188	115
9/23/2020		357	296	251	102
9/25/2020	460				
3/8/2021		346			
3/10/2021				232	78
3/11/2021	440		265		
9/14/2021		347			
9/16/2021			282	259	113
9/17/2021	446				
1/19/2022		336	272		
1/20/2022	416				
1/25/2022				259	84
9/7/2022	449	339		256	102
9/8/2022			252		
2/1/2023		343		243	79
2/2/2023			317		
2/3/2023	382				
9/7/2023	421	359	337	253	106
1/30/2024		348			
1/31/2024	387			261	82
2/1/2024			313		
9/4/2024	466				
9/5/2024		374	314	278	125
2/7/2025	398	337			
2/10/2025			321	276	245
9/9/2025			316	272	
9/16/2025	489	332			274

Time Series

Constituent: TDS (mg/L) Analysis Run 12/8/2025 3:50 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					287
10/21/2019					180
9/24/2020					170
9/25/2020		724			
12/9/2020			474		
3/8/2021		660	477		
3/12/2021					172
4/15/2021				289	
9/9/2021					174
9/13/2021		636			
9/15/2021			455		
9/16/2021				162	
1/19/2022			453	167	
1/20/2022					187
1/21/2022		638			
6/6/2022	270				
9/7/2022			479	153	
9/8/2022	261	606			
9/9/2022					160
2/1/2023			477	200	
2/2/2023	221	595			197
5/2/2023	69				
9/6/2023		641			
9/7/2023			520	155	181
9/8/2023	286				
1/30/2024			307		
1/31/2024	220	582			
2/1/2024				159	205
5/20/2024	291				
9/4/2024	276				
9/5/2024		581	511		
9/9/2024				162	187
2/7/2025			473		
2/10/2025	230			170	
2/11/2025					280
2/12/2025		609			
9/9/2025				156	
9/15/2025					183
9/16/2025	262	613			
9/17/2025			464		

Time Series

Constituent: TDS (mg/L) Analysis Run 12/8/2025 3:50 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		227	538	519
10/22/2025	684			

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/8/2025 3:50 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/8/2016				<0.0005	<0.0005
12/7/2016				<0.0005	<0.0005
3/28/2017	<0.0005	<0.0005	6E-05 (J)		
3/30/2017				<0.0005	0.0001 (J)
5/11/2017	<0.0005				
5/12/2017			<0.0005		
5/15/2017		<0.0005			
6/15/2017	<0.0005	<0.0005			
6/16/2017			<0.0005		
7/11/2017		<0.0005	<0.0005		
7/12/2017	<0.0005				
7/13/2017				<0.0005	0.0001 (J)
8/8/2017		<0.0005			
10/24/2017	<0.0005	<0.0005	<0.0005		
10/26/2017				<0.0005	0.0001 (J)
2/27/2018		<0.0005	<0.0005		
3/1/2018				<0.0005	<0.0005
3/8/2018	<0.0005				
7/10/2018		<0.0005	<0.0005		
7/12/2018	<0.0005			<0.0005	<0.0005
11/6/2018		<0.0005	<0.0005		
11/7/2018	<0.0005				
11/8/2018				<0.0005	<0.0005
8/27/2019		<0.0005	<0.0005		
8/28/2019	<0.0005			<0.0005	0.00014 (J)
10/15/2019		<0.0005	<0.0005		
10/16/2019	<0.0005				
10/18/2019				<0.0005	0.0001 (J)
3/2/2020		7.8E-05 (J)	<0.0005		
3/9/2020	<0.0005			<0.0005	0.00016 (J)
8/11/2020		<0.0005	<0.0005		
8/13/2020	<0.0005			<0.0005	0.00016 (J)
9/22/2020	<0.0005	<0.0005	<0.0005		
9/24/2020				<0.0005	0.00015 (J)
3/1/2021		<0.0005	<0.0005		
3/11/2021				<0.0005	<0.0005
3/12/2021	<0.0005				
9/8/2021			<0.0005		
9/9/2021	<0.0005	<0.0005			
9/15/2021					<0.0005
9/16/2021				<0.0005	
1/18/2022		<0.0005	<0.0005		
1/21/2022				<0.0005	<0.0005
1/28/2022	<0.0005				
9/7/2022		<0.0005	<0.0005		
9/8/2022	<0.0005				
9/9/2022				<0.0005	
9/12/2022					<0.0005
1/31/2023		<0.0005	<0.0005		
2/1/2023	<0.0005				
2/2/2023				<0.0005	<0.0005
9/6/2023		0.00053 (J)	<0.0005	<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/8/2025 3:50 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-37	DGWC-38
9/7/2023	<0.0005				<0.0005
1/30/2024	<0.0005		<0.0005		<0.0005
1/31/2024				<0.0005	
9/4/2024		<0.0005	<0.0005	<0.0005	<0.0005
9/11/2024	<0.0005				
2/4/2025	<0.0005		<0.0005		
2/6/2025		<0.0005			
2/7/2025					0.00018 (J)
2/10/2025				<0.0005	
9/10/2025	<0.0005	<0.0005	<0.0005		
9/15/2025					<0.0005
9/16/2025				<0.0005	

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/8/2025 3:50 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016		<0.0005			
9/8/2016	<0.0005				
12/7/2016	<0.0005				
12/8/2016		<0.0005			
3/30/2017	0.0001 (J)	6E-05 (J)			
3/31/2017			<0.0005		<0.0005
5/12/2017			<0.0005	<0.0005	<0.0005
6/16/2017			<0.0005	<0.0005	<0.0005
7/13/2017	9E-05 (J)	6E-05 (J)	<0.0005	<0.0005	<0.0005
8/8/2017				<0.0005	
10/26/2017	0.0001 (J)	7E-05 (J)	<0.0005	<0.0005	<0.0005
11/15/2017					<0.0005
3/1/2018	<0.0005				
3/2/2018		<0.0005	<0.0005	<0.0005	<0.0005
7/12/2018	<0.0005	<0.0005			
7/13/2018			<0.0005	0.00015 (J)	<0.0005
11/8/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/28/2019	6.9E-05 (J)	7E-05 (J)	<0.0005	<0.0005	<0.0005
10/16/2019				<0.0005	<0.0005
10/17/2019			<0.0005		
10/18/2019	<0.0005	<0.0005			
3/4/2020		6.8E-05 (J)			
3/9/2020	7.1E-05 (J)		<0.0005	<0.0005	<0.0005
8/13/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/23/2020		<0.0005	<0.0005	<0.0005	<0.0005
9/25/2020	<0.0005				
3/8/2021		<0.0005			
3/10/2021				<0.0005	<0.0005
3/11/2021	<0.0005		<0.0005		
9/14/2021		<0.0005			
9/16/2021			<0.0005	<0.0005	<0.0005
9/17/2021	<0.0005				
1/19/2022		<0.0005	<0.0005		
1/20/2022	<0.0005				
1/25/2022				<0.0005	<0.0005
9/7/2022	<0.0005	<0.0005		<0.0005	<0.0005
9/8/2022			<0.0005		
2/1/2023		<0.0005		<0.0005	<0.0005
2/2/2023			<0.0005		
2/3/2023	<0.0005				
9/7/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1/30/2024		<0.0005			
1/31/2024	<0.0005			<0.0005	<0.0005
2/1/2024			<0.0005		
9/4/2024	<0.0005				
9/5/2024		<0.0005	<0.0005	<0.0005	<0.0005
2/7/2025	<0.0005	<0.0005			
2/10/2025			<0.0005	<0.0005	<0.0005
9/9/2025			<0.0005	<0.0005	
9/16/2025	<0.0005	0.00019 (J)			<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/8/2025 3:50 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					<0.0005
9/11/2019					<0.0005
10/21/2019					<0.0005
8/13/2020					<0.0005
8/17/2020		<0.0005			
9/24/2020					<0.0005
9/25/2020		<0.0005			
12/9/2020			<0.0005		
3/8/2021		<0.0005	<0.0005		
3/12/2021					<0.0005
4/15/2021				<0.0005	
9/9/2021					<0.0005
9/13/2021		<0.0005			
9/15/2021			<0.0005		
9/16/2021				<0.0005	
1/19/2022			<0.0005	<0.0005	
1/20/2022					<0.0005
1/21/2022		<0.0005			
6/6/2022	<0.0005				
9/7/2022			<0.0005	<0.0005	
9/8/2022	<0.0005	<0.0005			
9/9/2022					<0.0005
2/1/2023			<0.0005	<0.0005	
2/2/2023	<0.0005	<0.0005			<0.0005
5/2/2023	<0.0005				
9/6/2023		<0.0005			
9/7/2023			<0.0005	<0.0005	<0.0005
9/8/2023	<0.0005				
1/30/2024			<0.0005		
1/31/2024	<0.0005	<0.0005			
2/1/2024				<0.0005	<0.0005
5/20/2024	<0.0005				
9/4/2024	<0.0005				
9/5/2024		<0.0005	<0.0005		
9/9/2024				<0.0005	<0.0005
2/7/2025			<0.0005		
2/10/2025	<0.0005			0.00016 (J)	
2/11/2025					<0.0005
2/12/2025		<0.0005			
9/9/2025				<0.0005	
9/15/2025					<0.0005
9/16/2025	<0.0005	<0.0005			
9/17/2025			<0.0005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/8/2025 3:50 PM View: Descriptive

Plant McDonough Client: Southern Company Data: McDonough AP-1

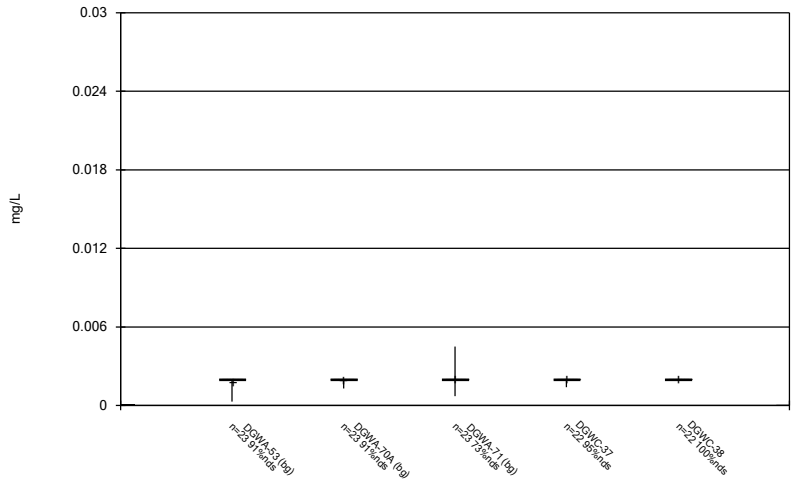
	B-136D	DGWC-134	DGWC-135	DGWC-41
10/21/2025		<0.0005	<0.0005	<0.0005
10/22/2025	<0.0005			

ND substitution: RL or RL/2 if <15% NDs.

FIGURE B.

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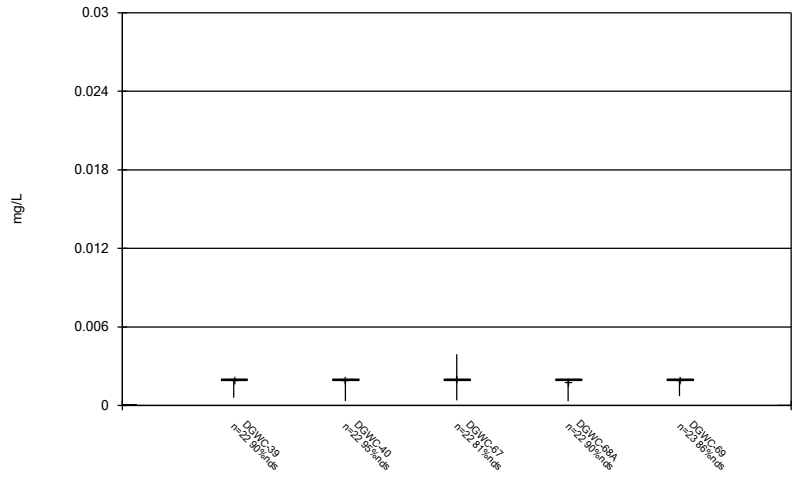
Box & Whiskers Plot



Constituent: Antimony Analysis Run 12/8/2025 3:50 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

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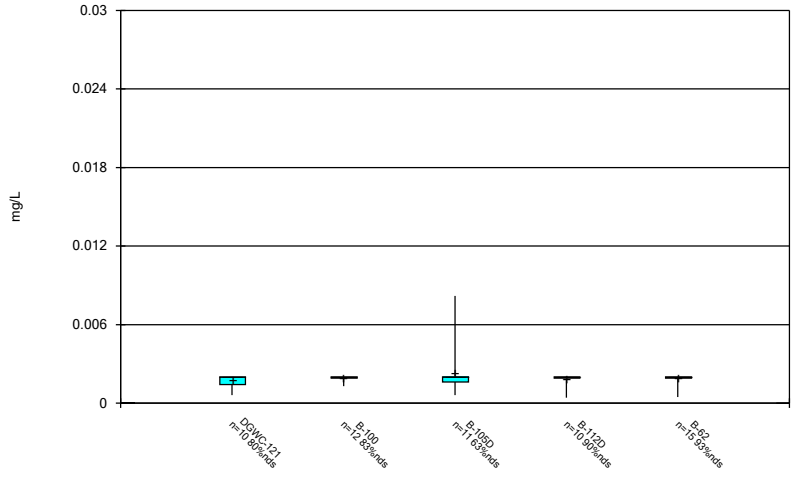
Box & Whiskers Plot



Constituent: Antimony Analysis Run 12/8/2025 3:50 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

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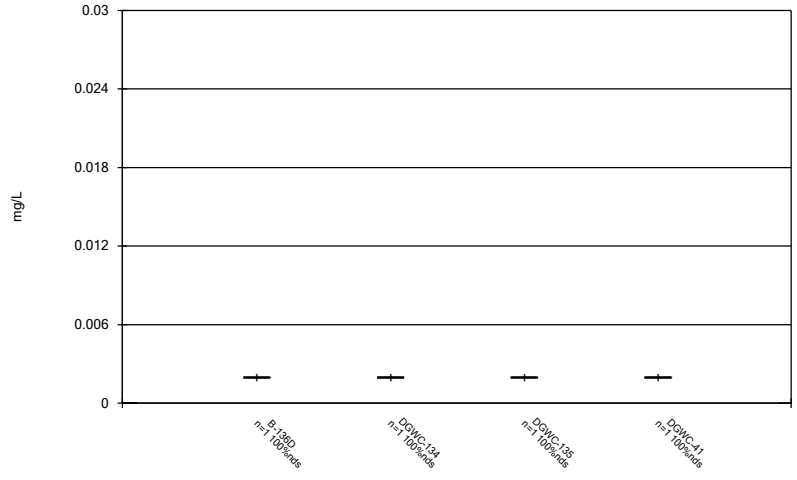
Box & Whiskers Plot



Constituent: Antimony Analysis Run 12/8/2025 3:50 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

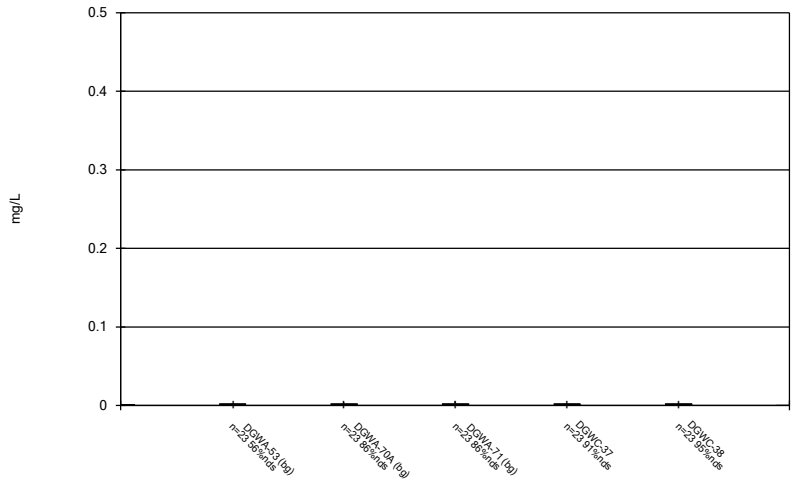
Box & Whiskers Plot



Constituent: Antimony Analysis Run 12/8/2025 3:50 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

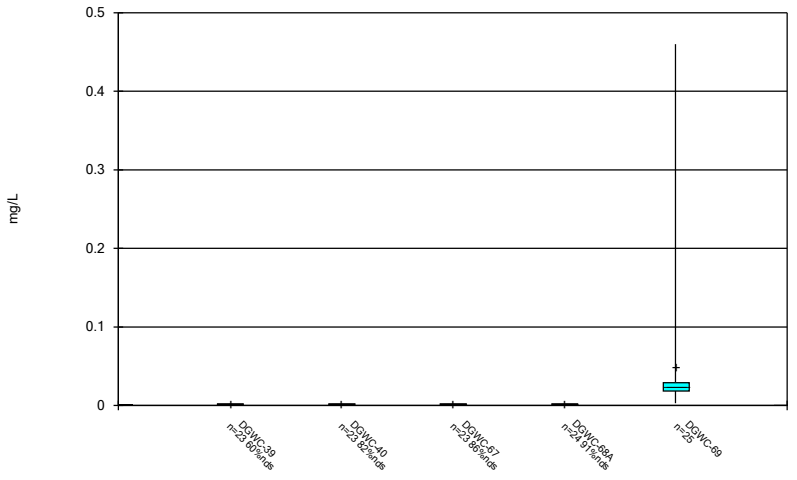
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

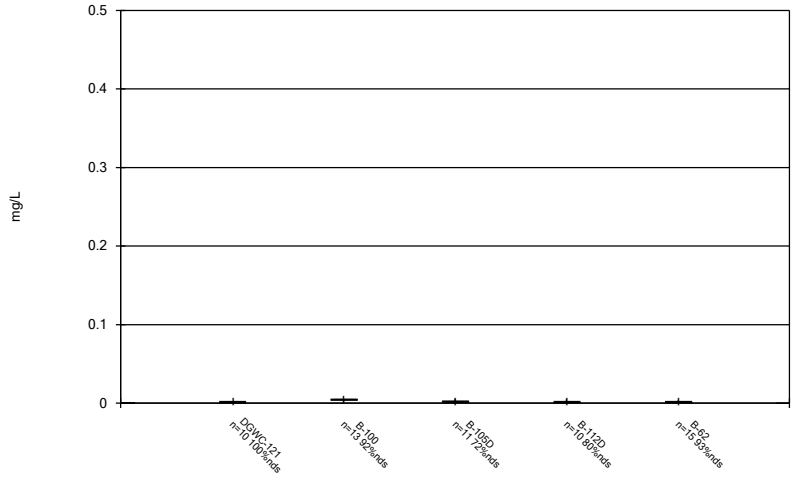
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

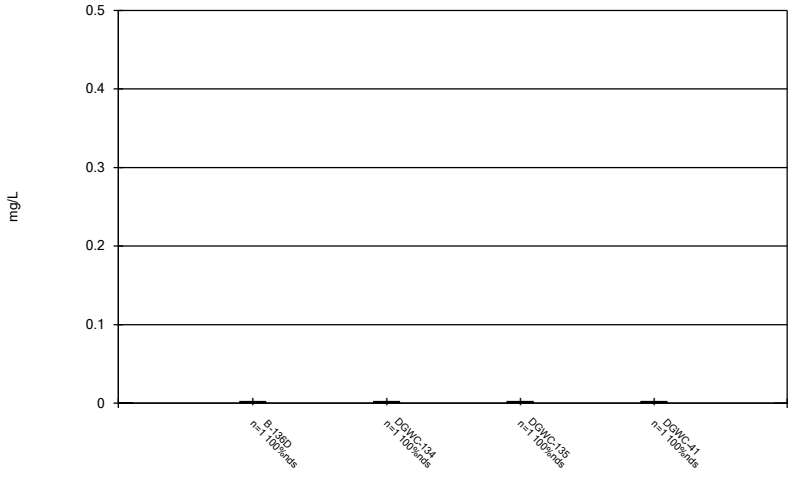
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

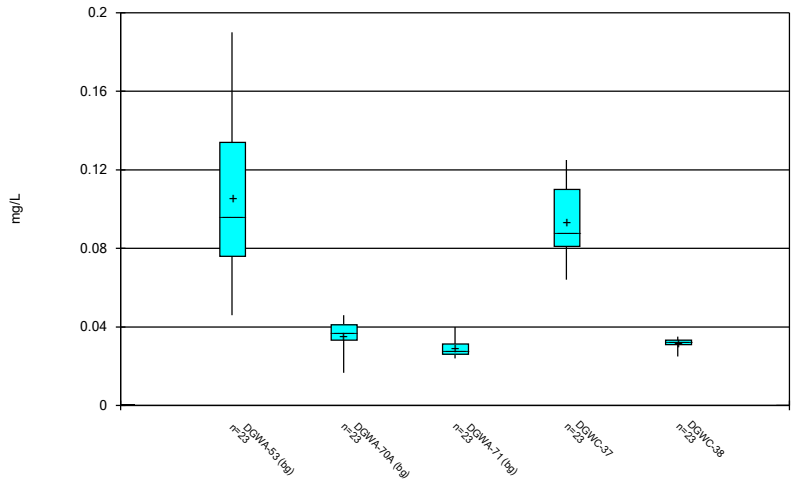
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

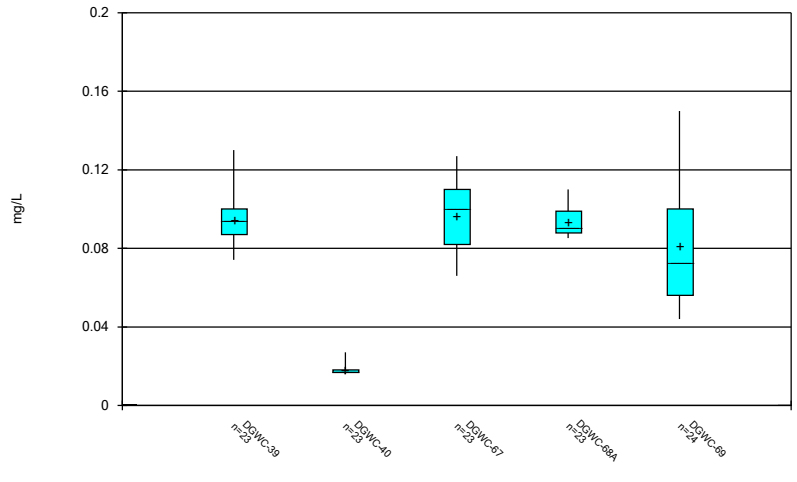
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

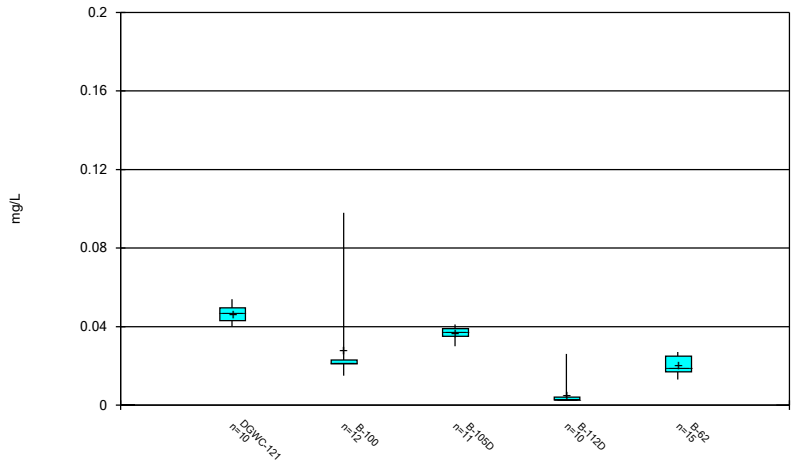
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

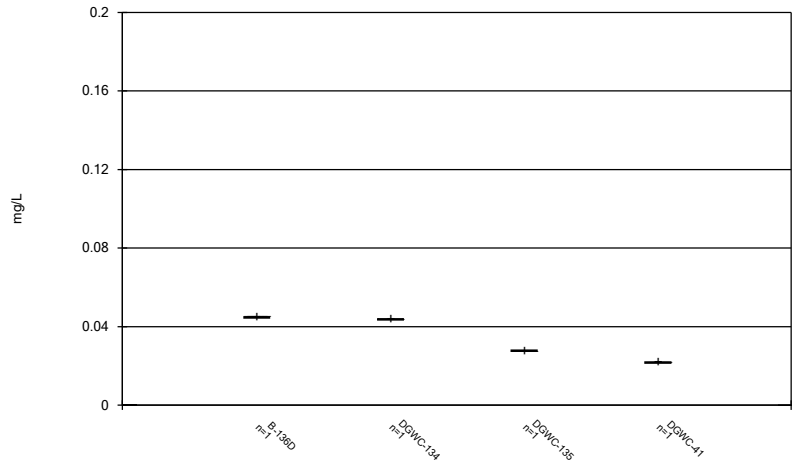
Box & Whiskers Plot



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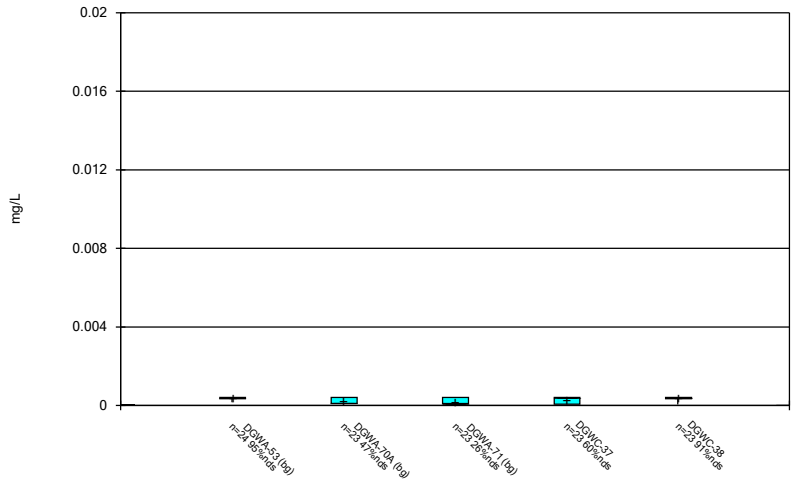
Box & Whiskers Plot



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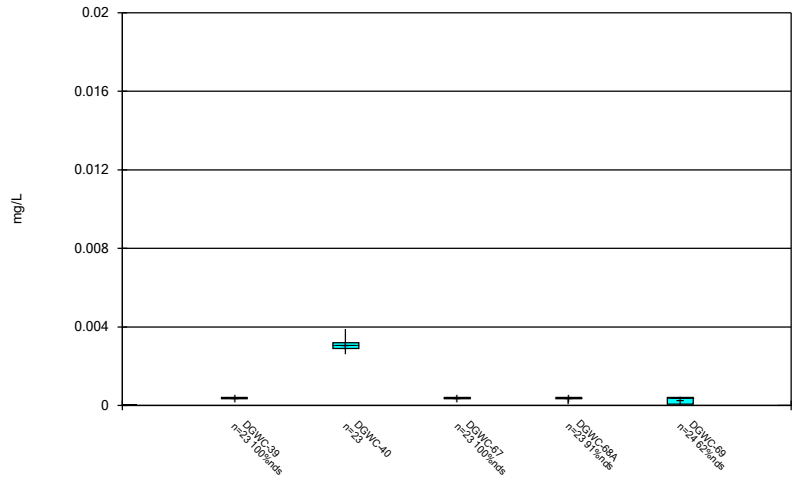
Box & Whiskers Plot



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Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

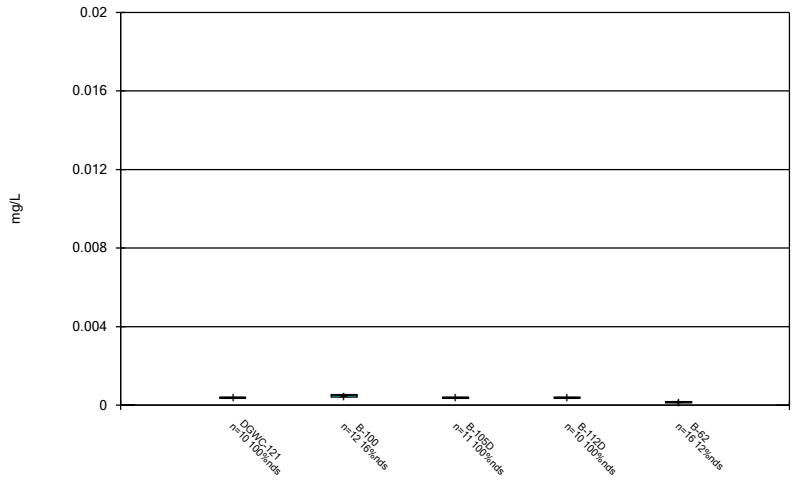
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

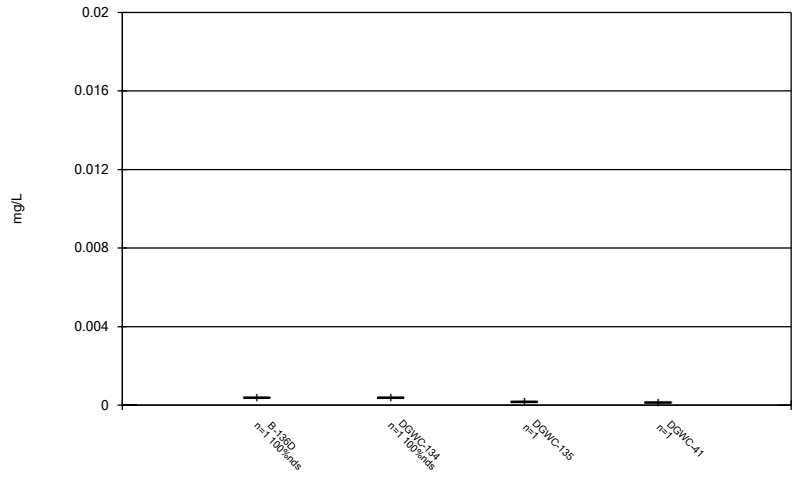
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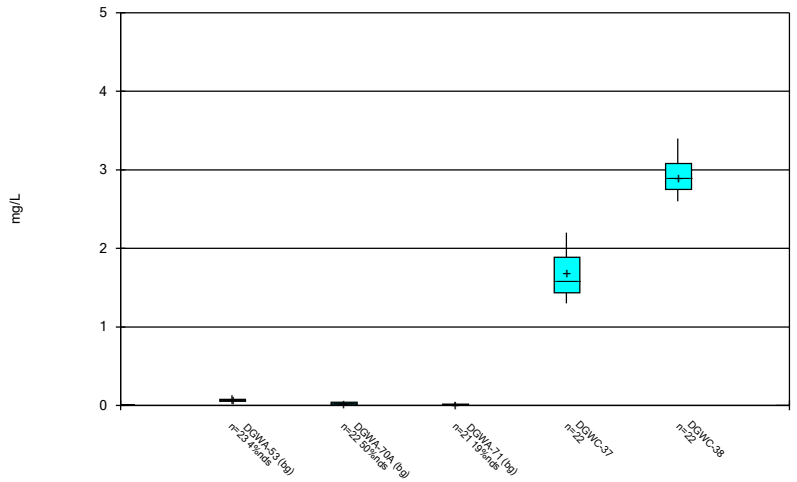
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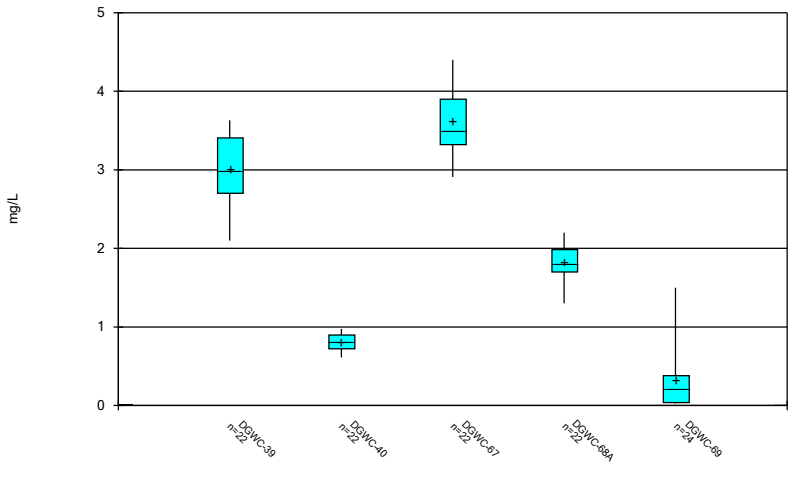
Box & Whiskers Plot



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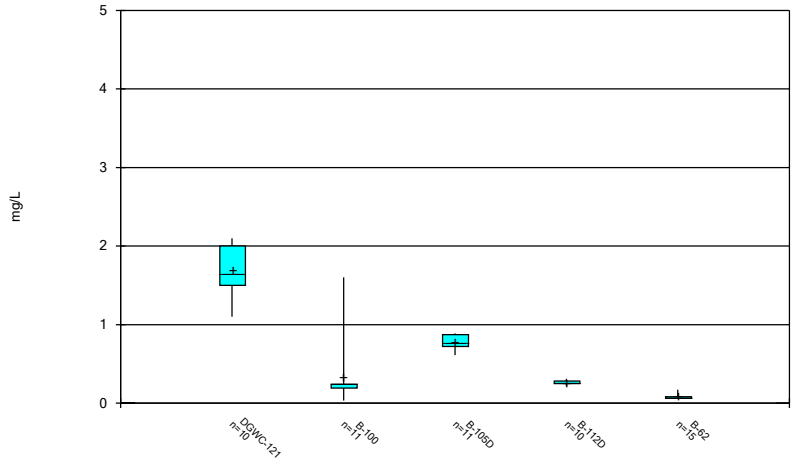
Box & Whiskers Plot



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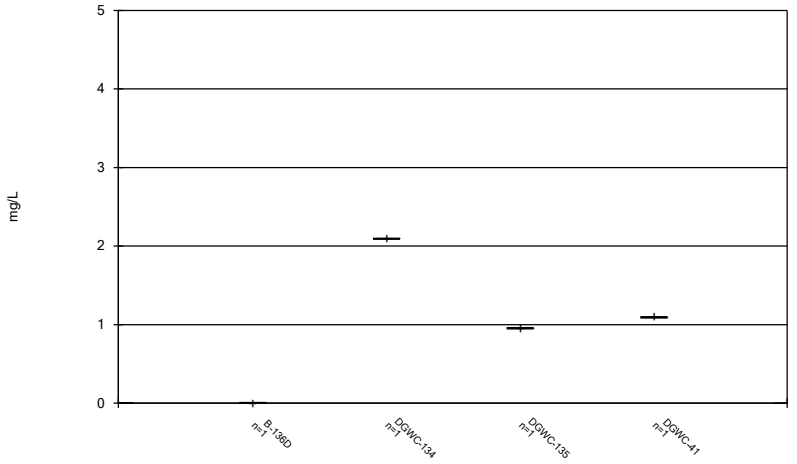
Box & Whiskers Plot



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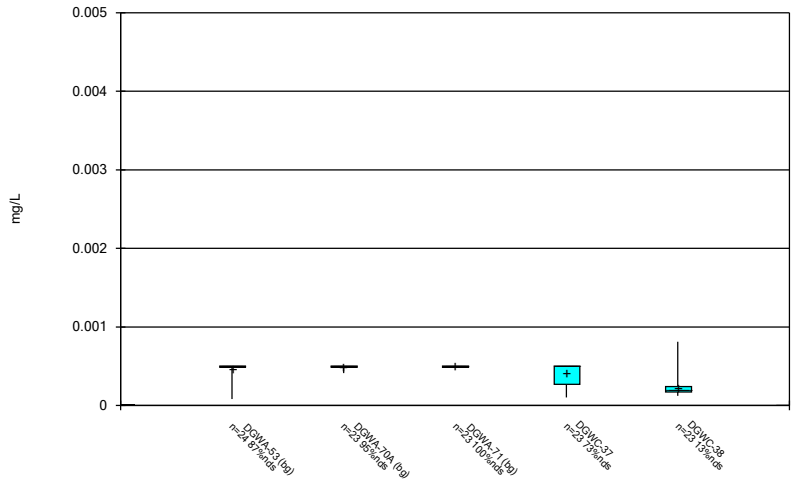
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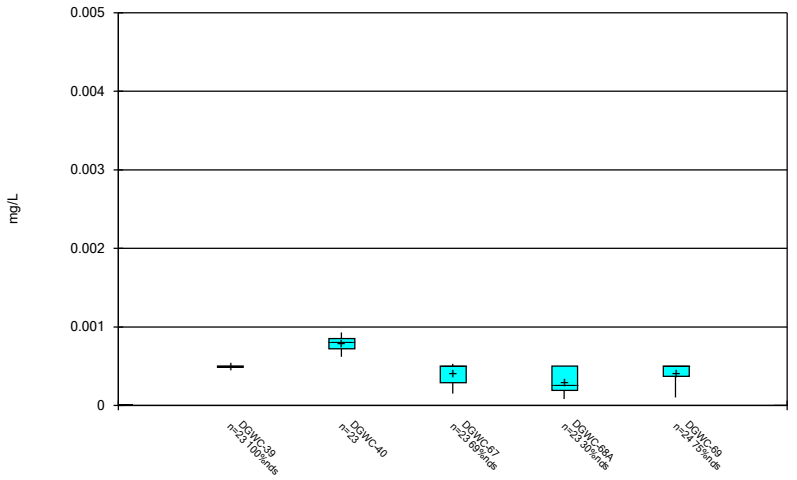
Box & Whiskers Plot



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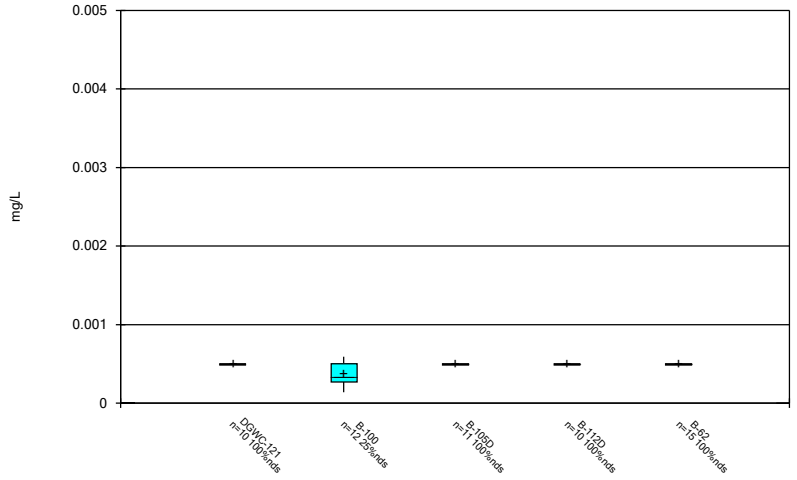
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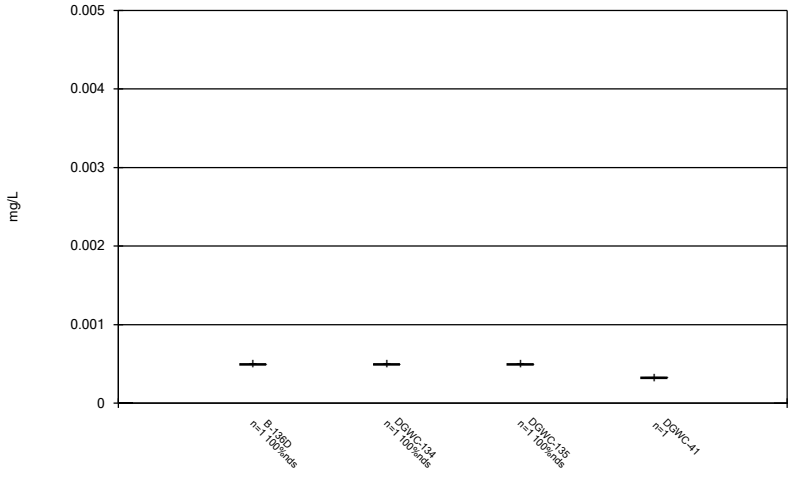
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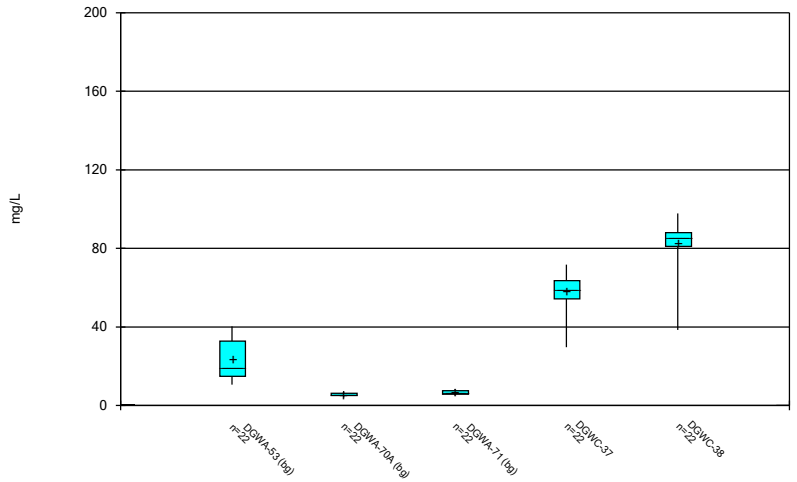
Box & Whiskers Plot



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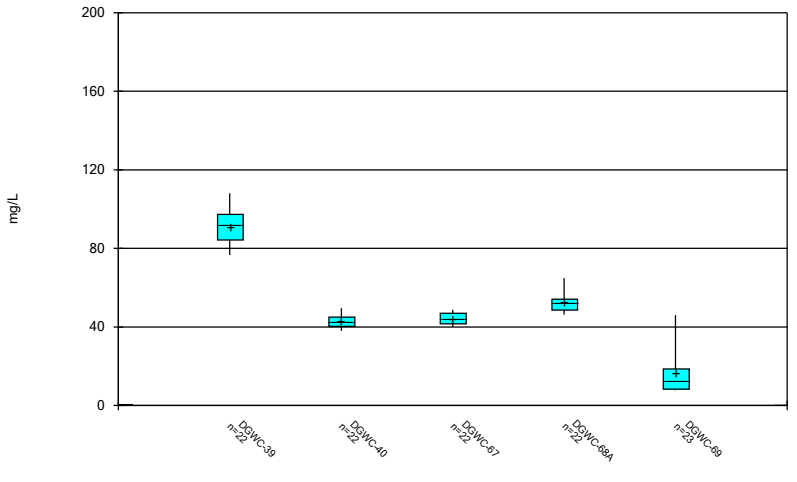
Box & Whiskers Plot



Constituent: Calcium Analysis Run 12/8/2025 3:50 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

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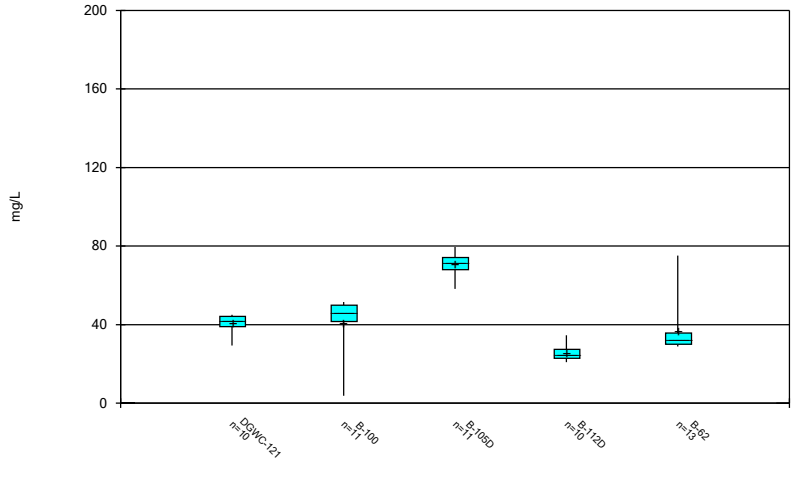
Box & Whiskers Plot



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Plant McDonough Client: Southern Company Data: McDonough AP-1

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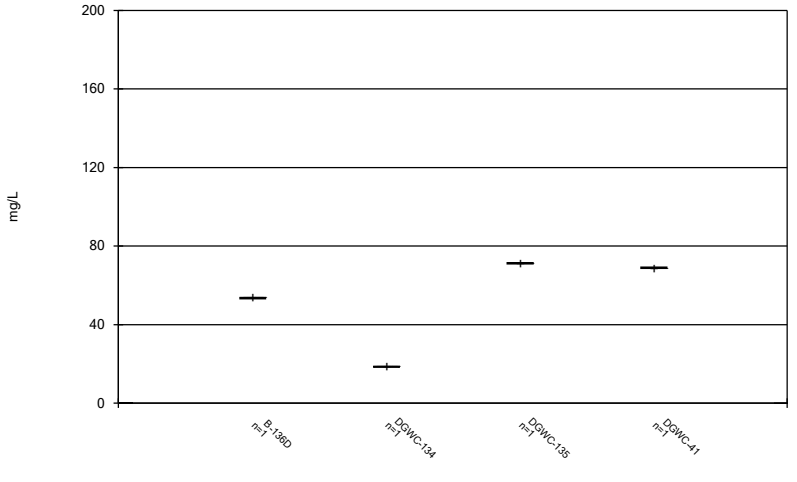
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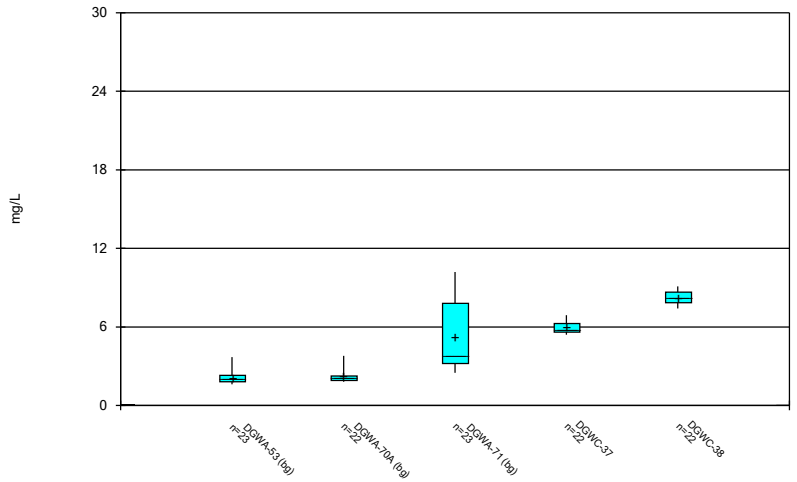
Box & Whiskers Plot



Constituent: Calcium Analysis Run 12/8/2025 3:51 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

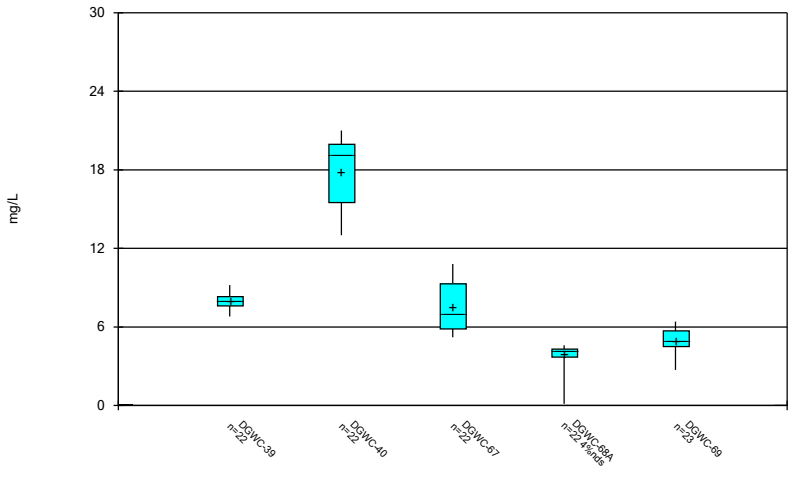
Box & Whiskers Plot



Constituent: Chloride Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

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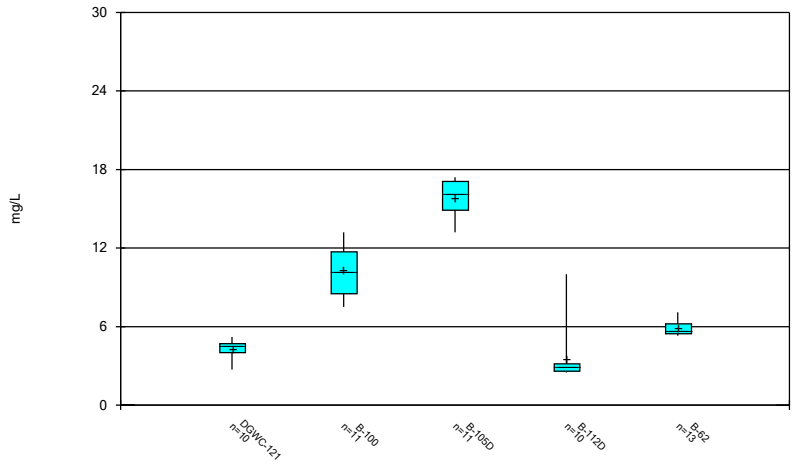
Box & Whiskers Plot



Constituent: Chloride Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

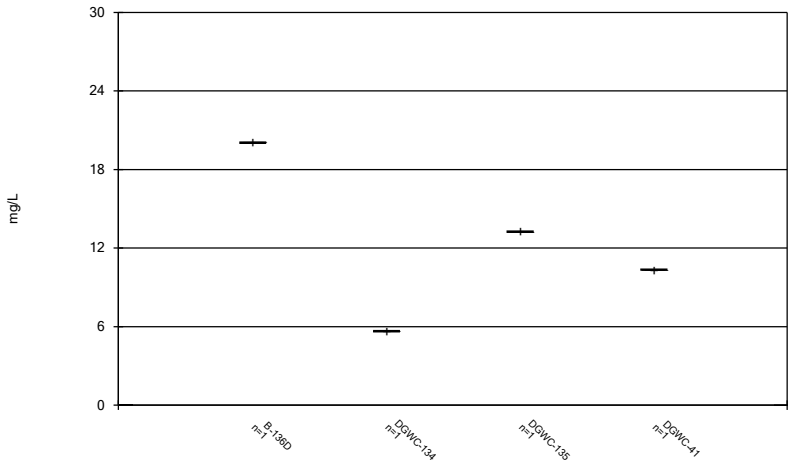
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

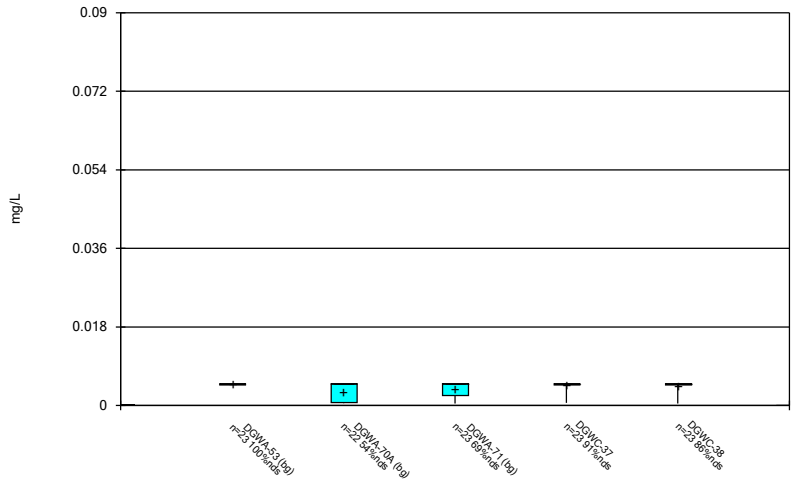
Box & Whiskers Plot



Constituent: Chloride Analysis Run 12/8/2025 3:51 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

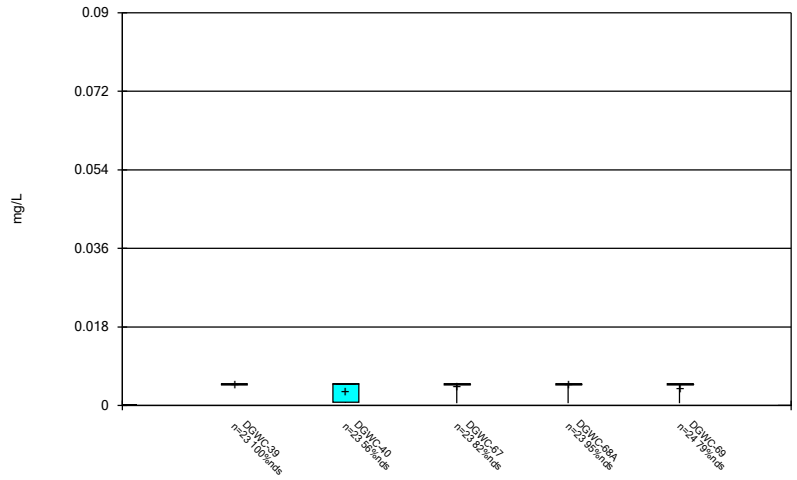
Box & Whiskers Plot



Constituent: Chromium Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

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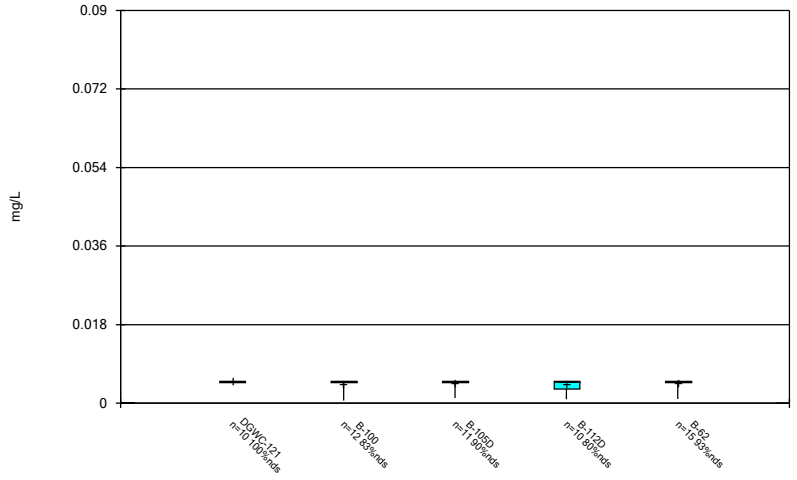
Box & Whiskers Plot



Constituent: Chromium Analysis Run 12/8/2025 3:51 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

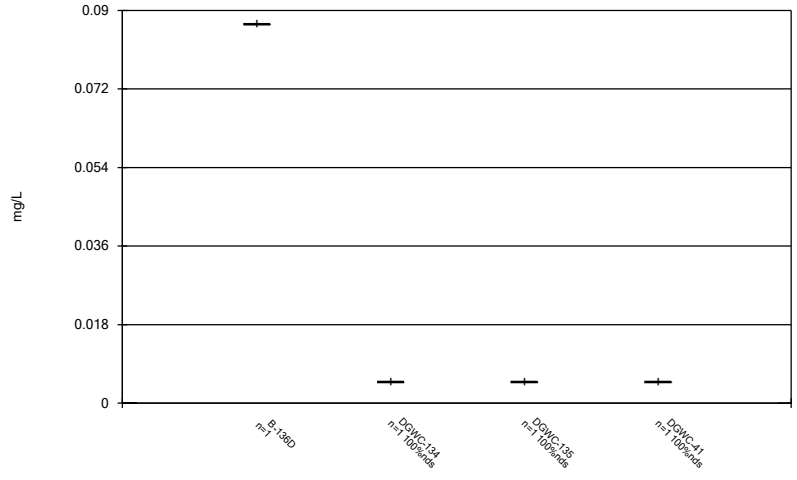
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

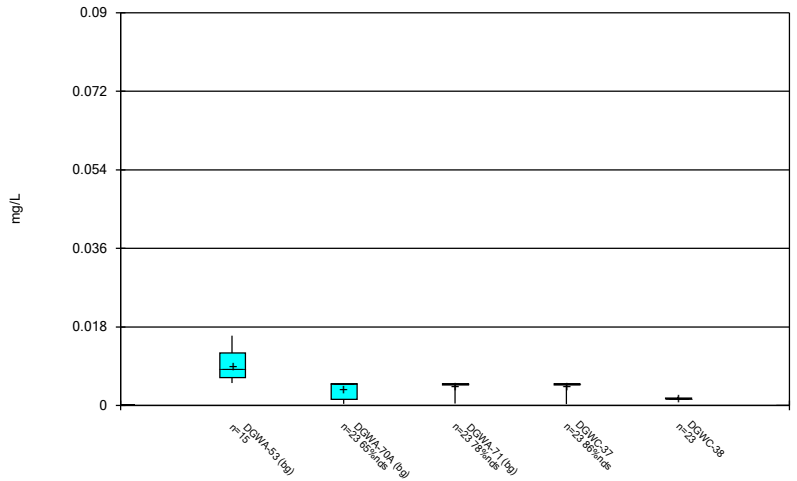
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

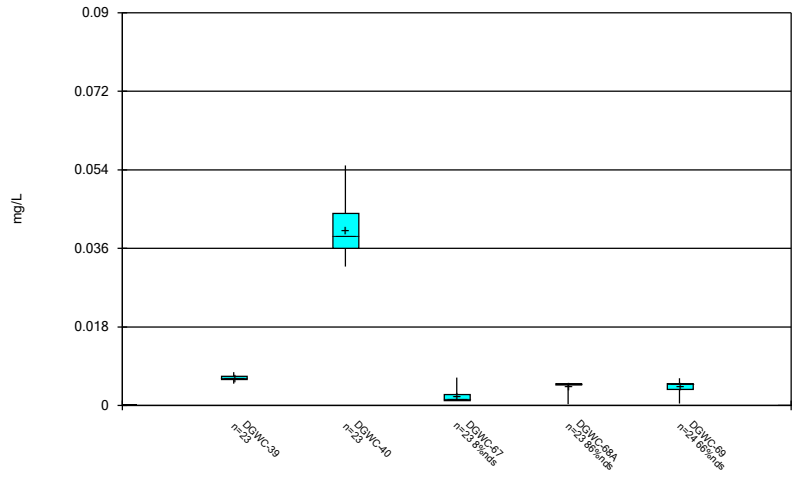
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

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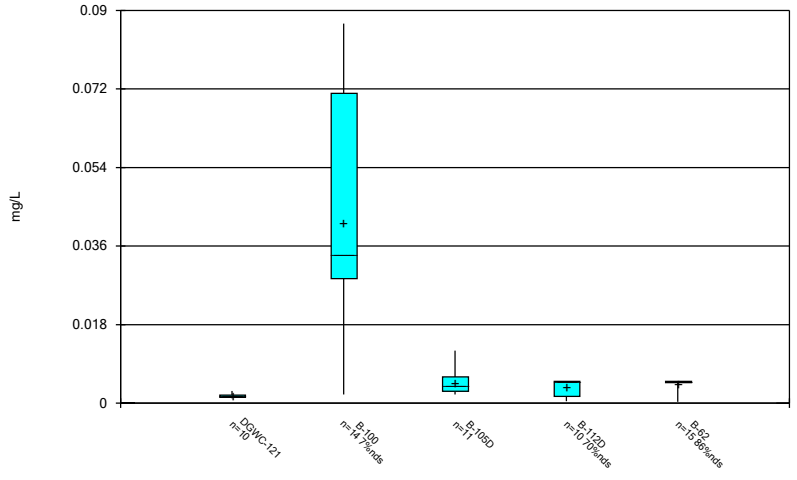
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 12/8/2025 3:51 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

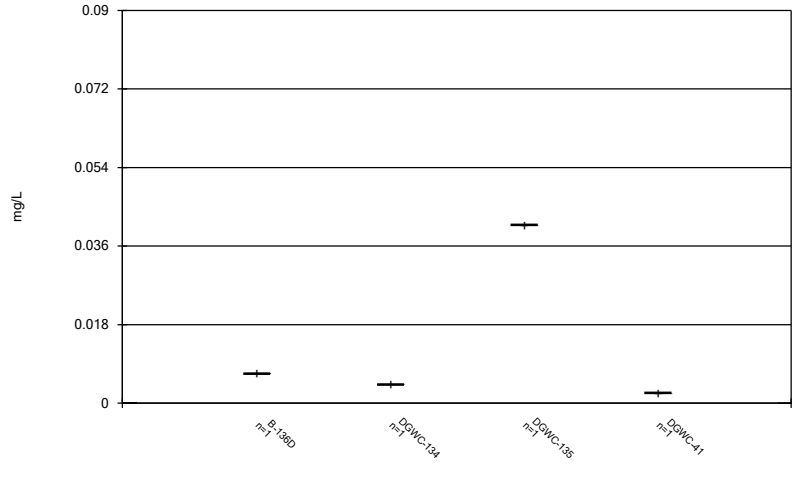
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 12/8/2025 3:51 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

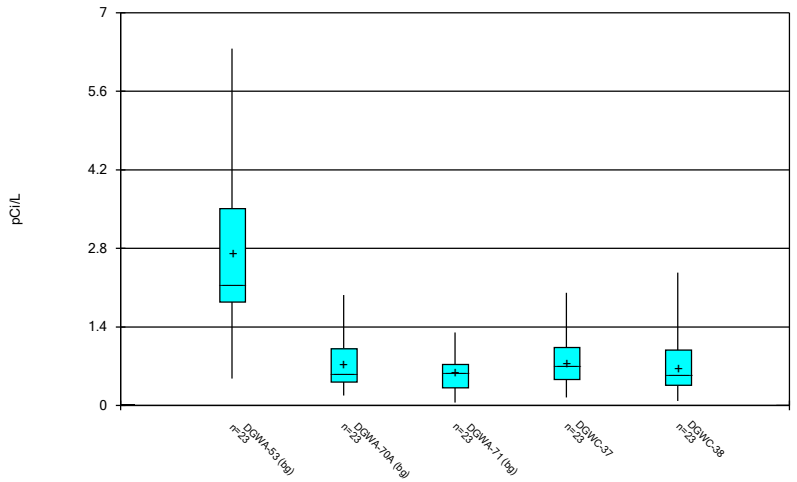
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

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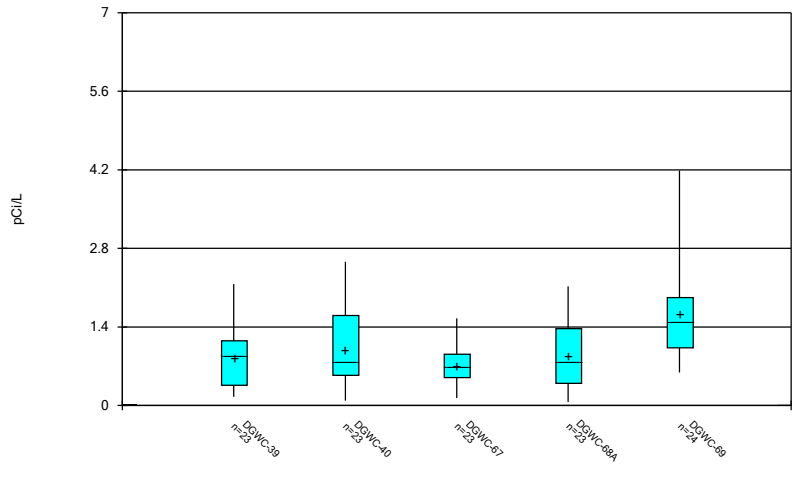
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

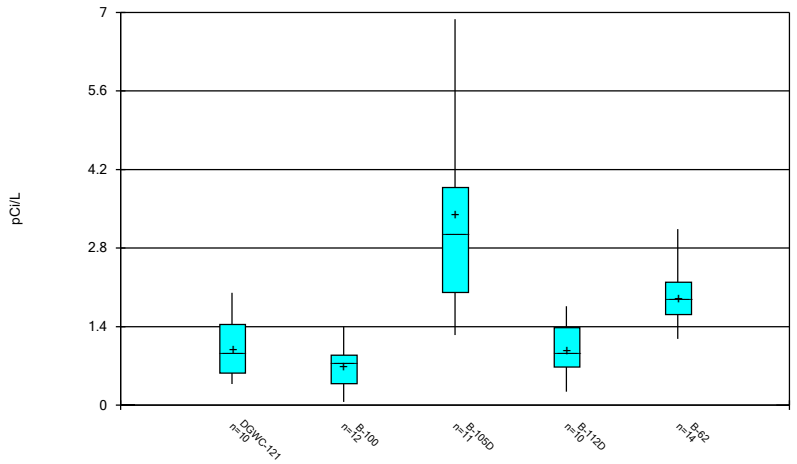
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

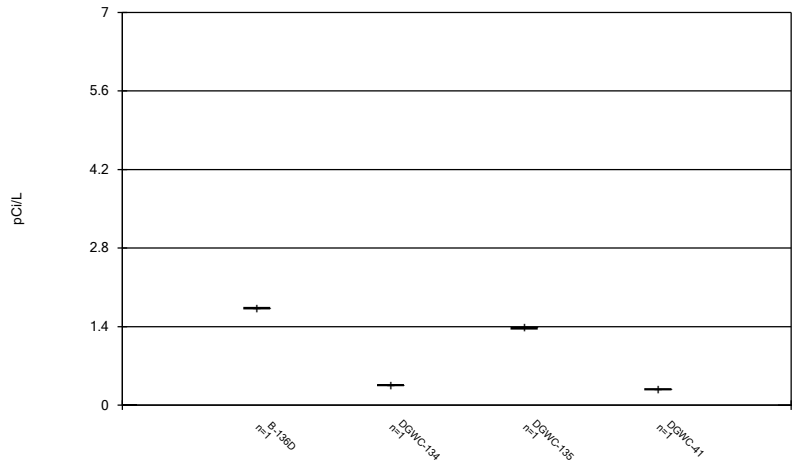
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 12/8/2025 3:51 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

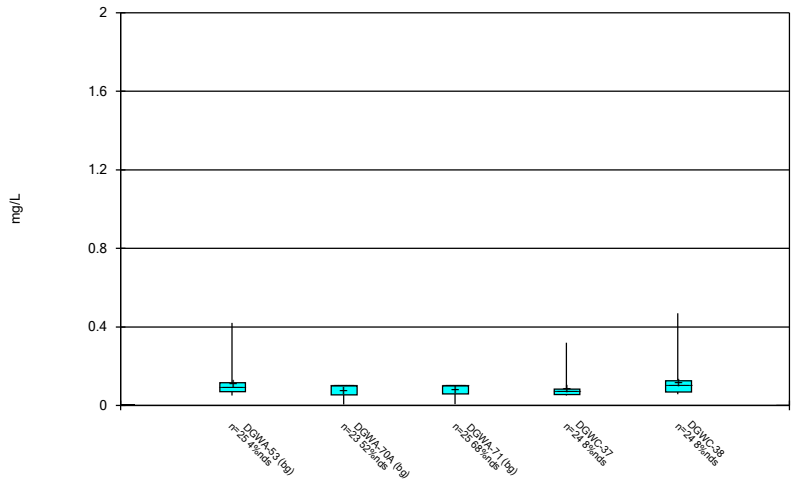
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 12/8/2025 3:51 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

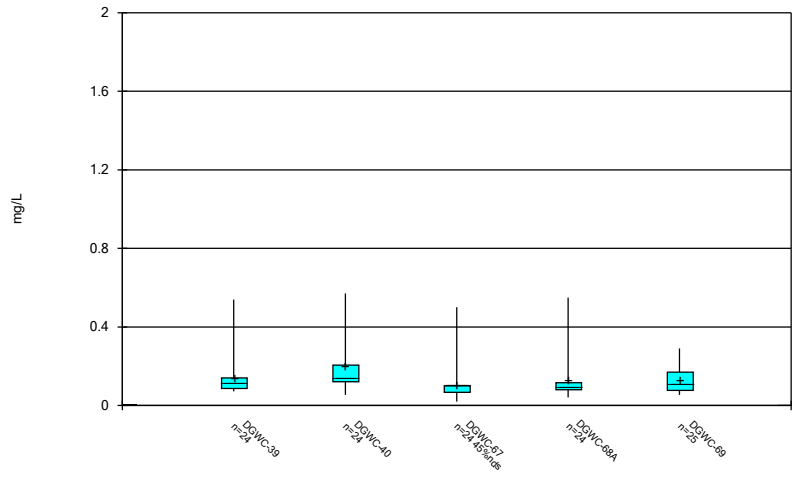
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 12/8/2025 3:51 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

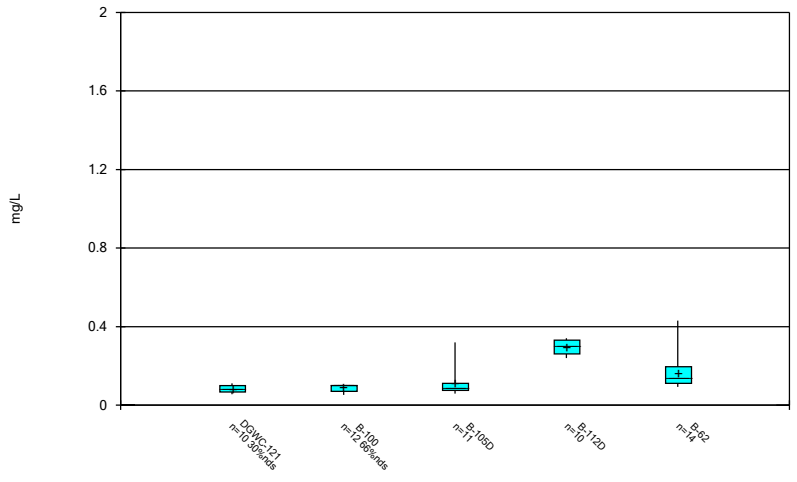
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 12/8/2025 3:51 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

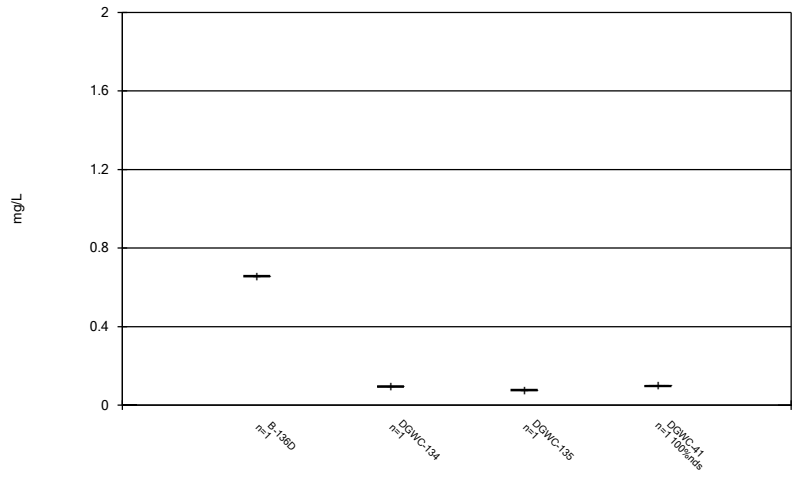
Box & Whiskers Plot



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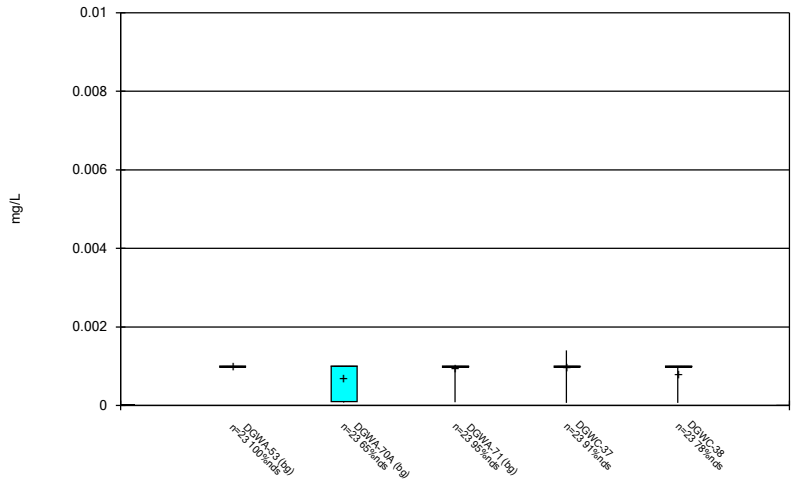
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

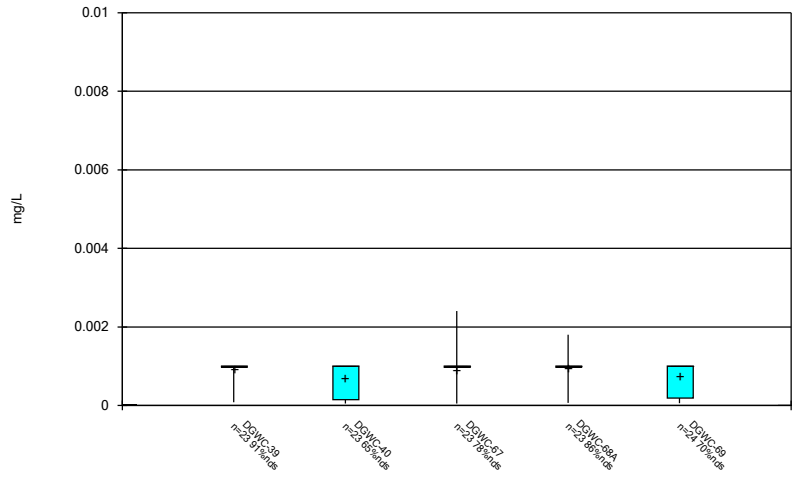
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

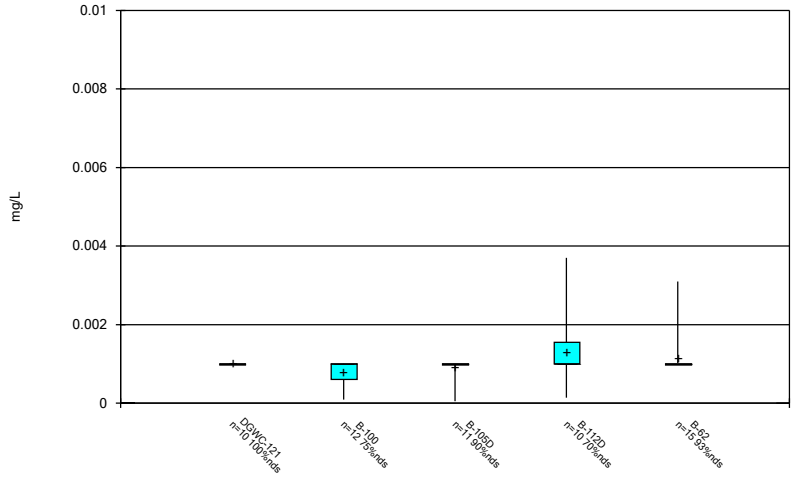
Box & Whiskers Plot



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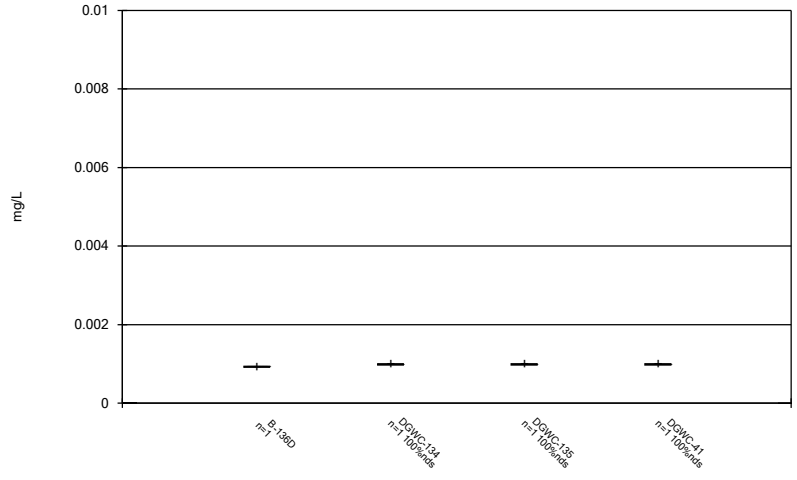
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

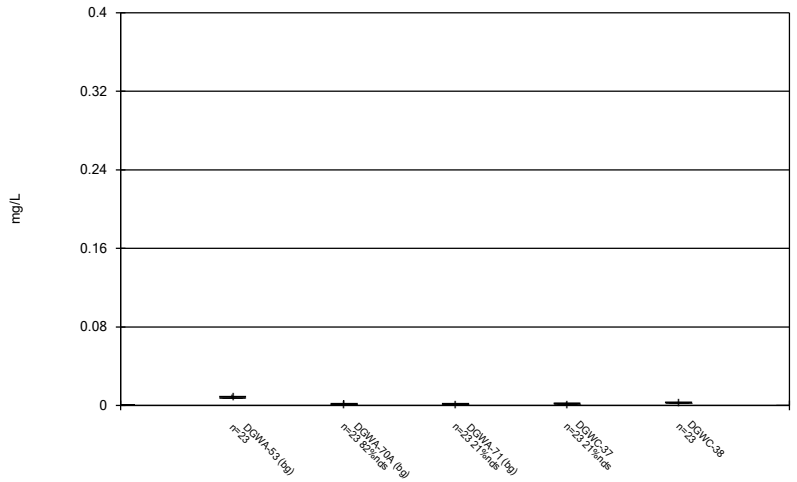
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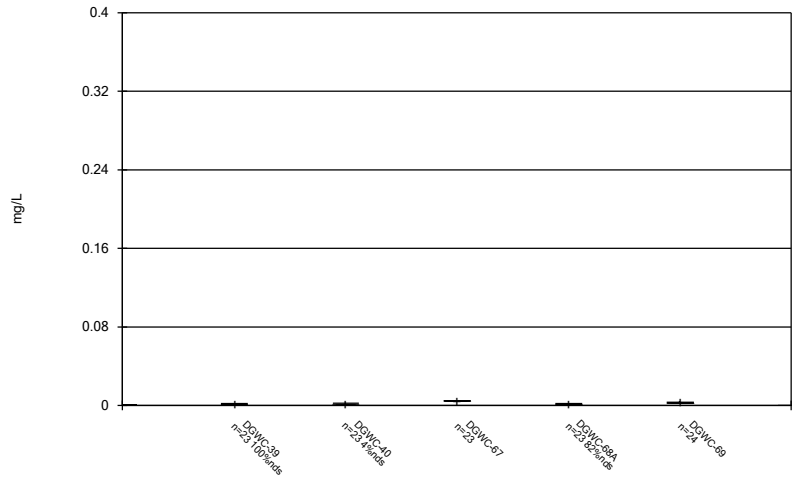
Box & Whiskers Plot



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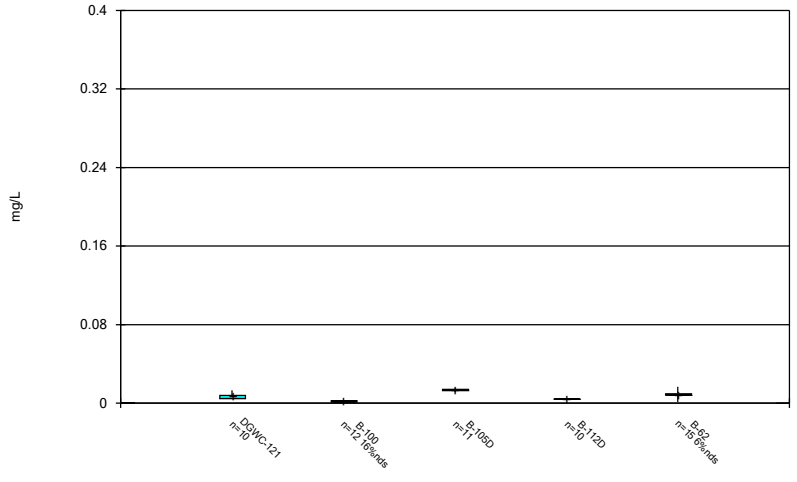
Box & Whiskers Plot



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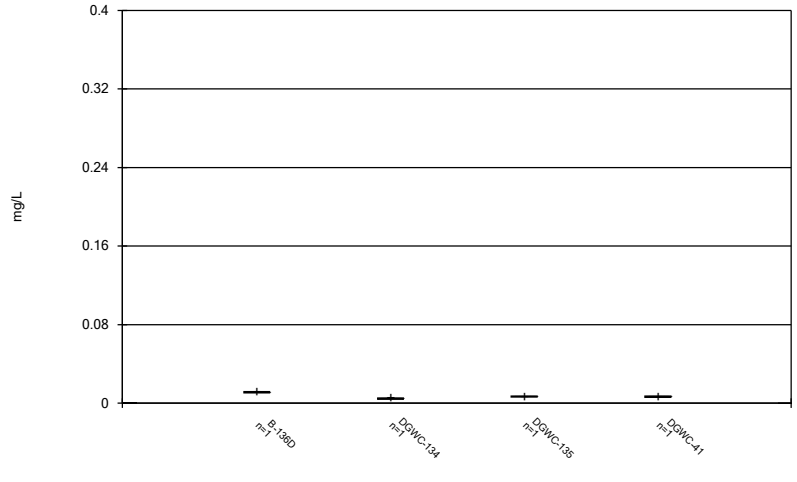
Box & Whiskers Plot



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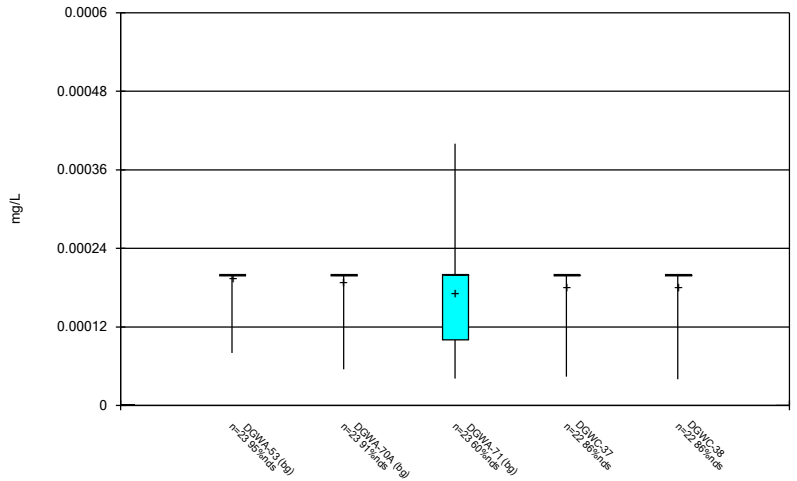
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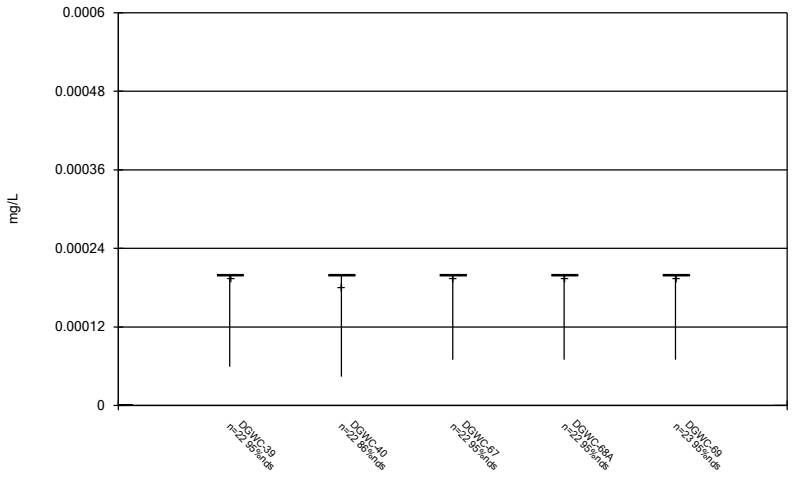
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

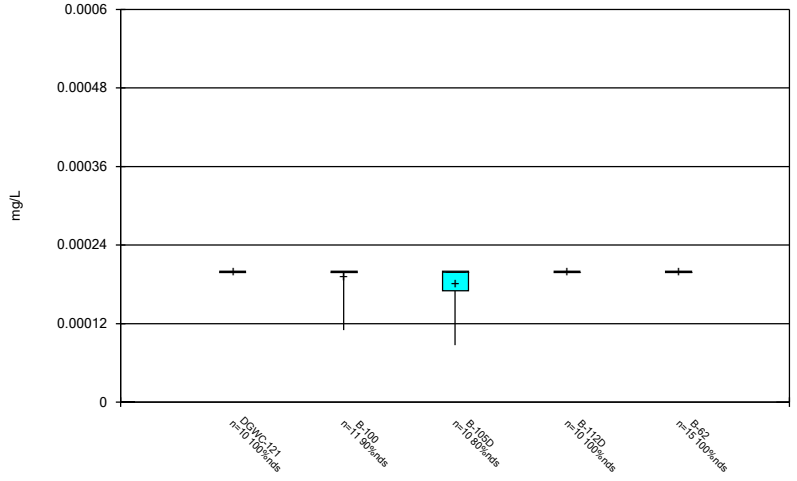
Box & Whiskers Plot



Constituent: Mercury Analysis Run 12/8/2025 3:51 PM View: Descriptive
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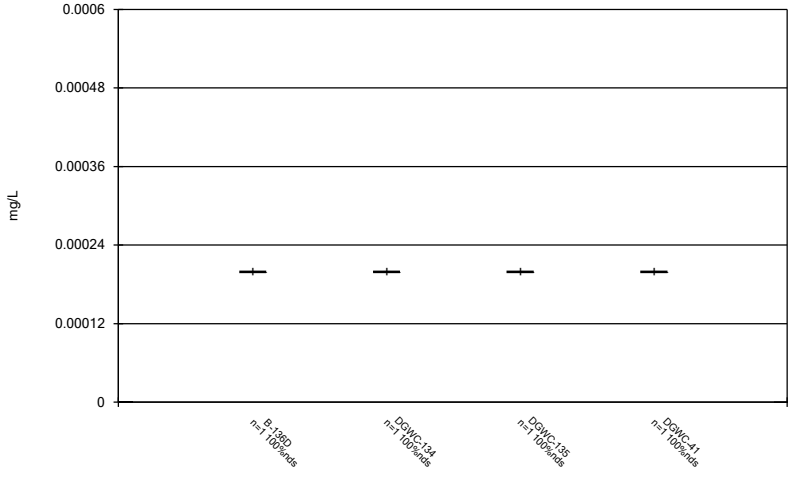
Box & Whiskers Plot



Constituent: Mercury Analysis Run 12/8/2025 3:51 PM View: Descriptive
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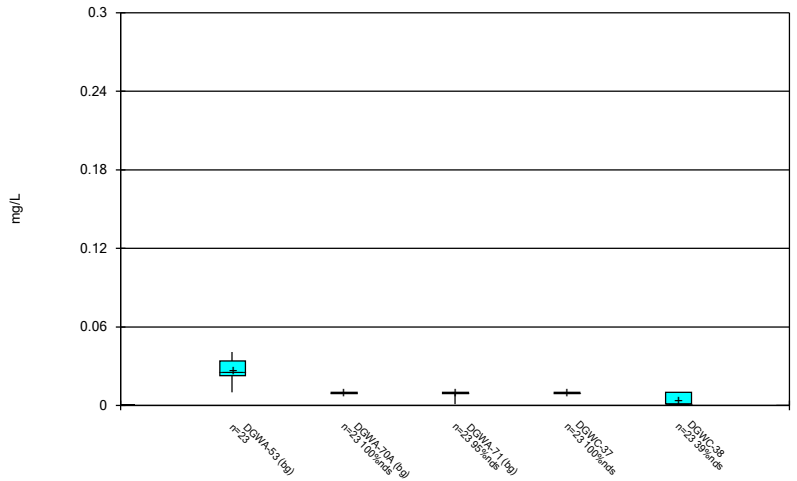
Box & Whiskers Plot



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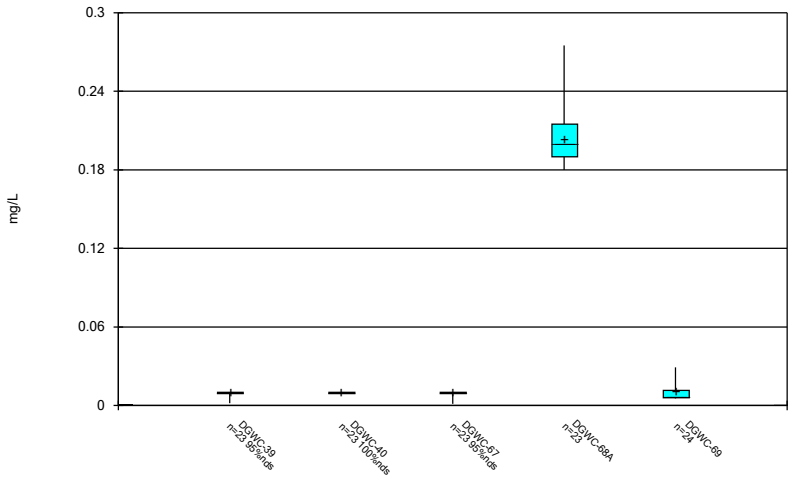
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

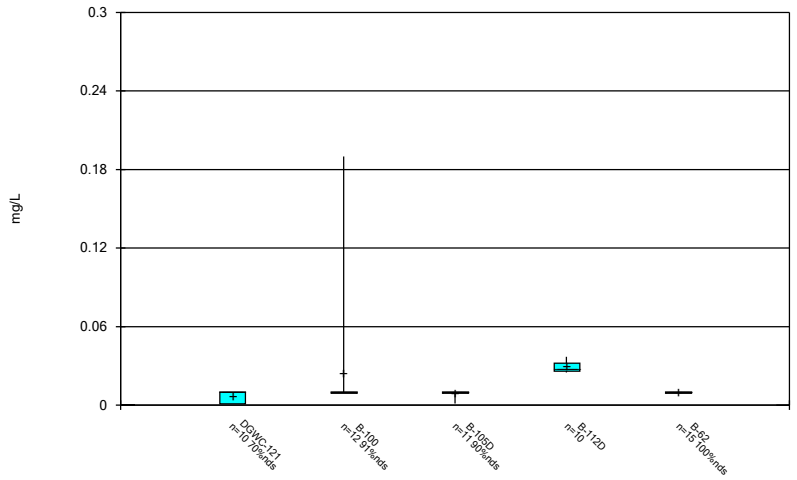
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

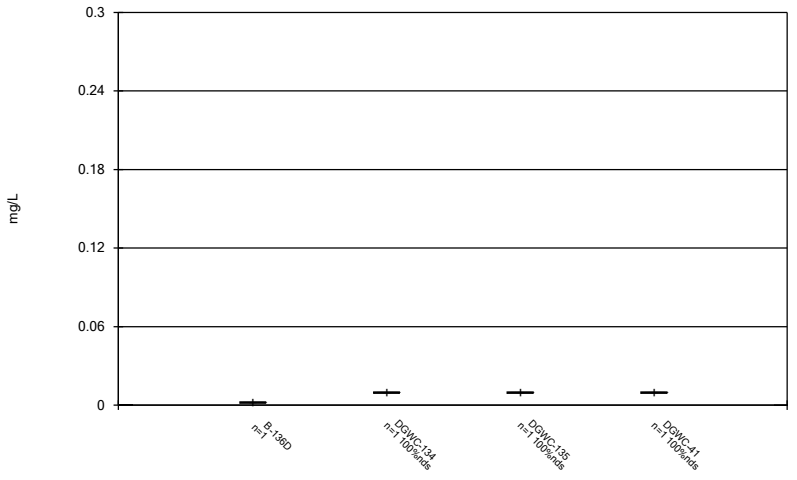
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

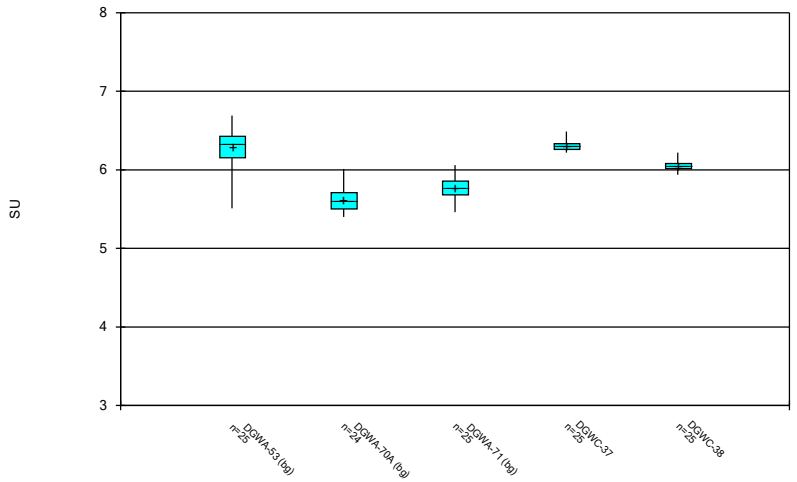
Box & Whiskers Plot



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Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

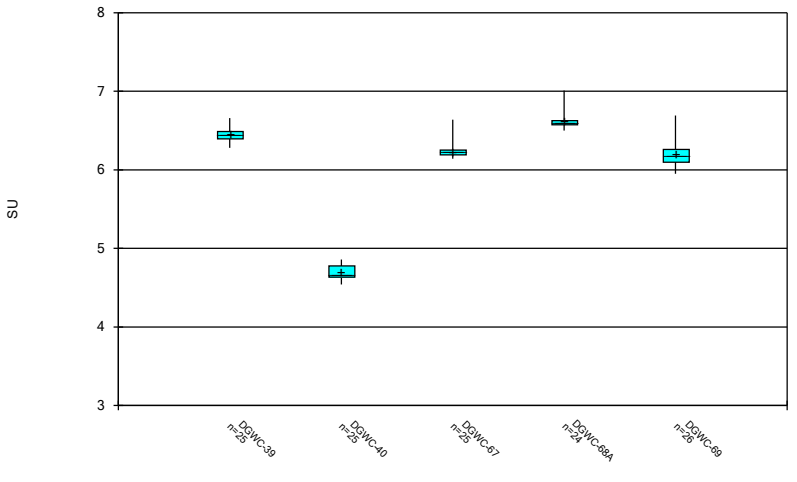
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

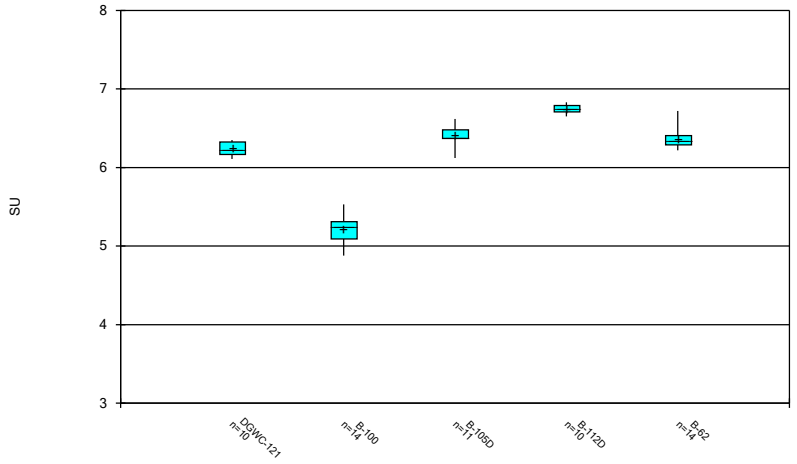
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 12/8/2025 3:51 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

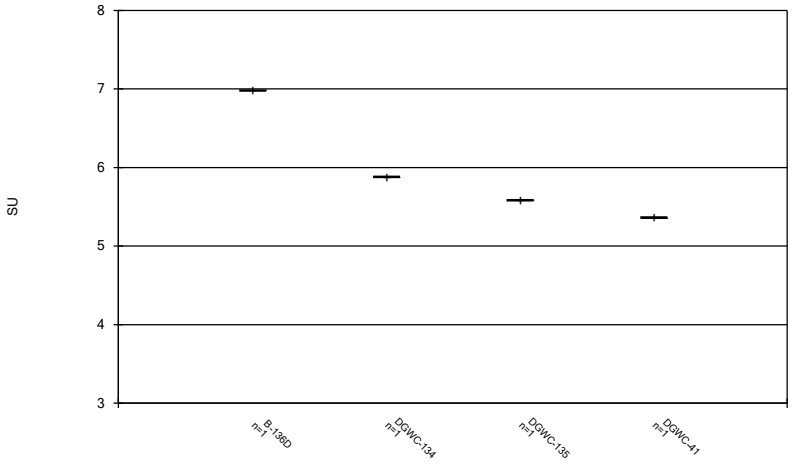
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 12/8/2025 3:51 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

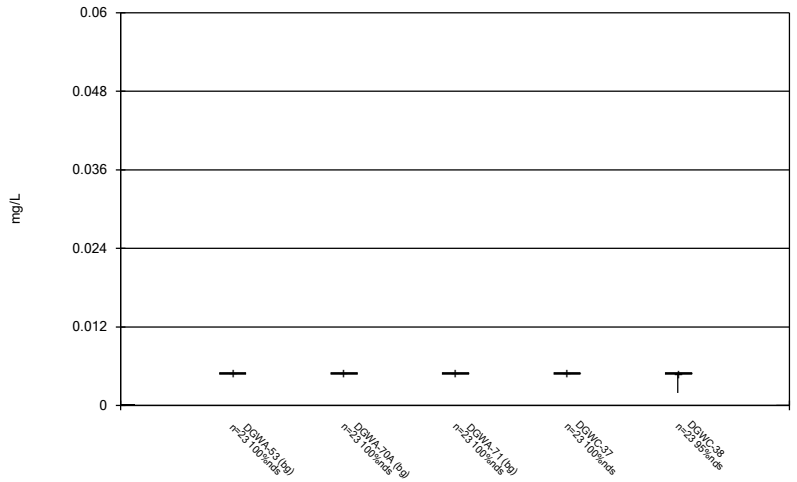
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 12/8/2025 3:51 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

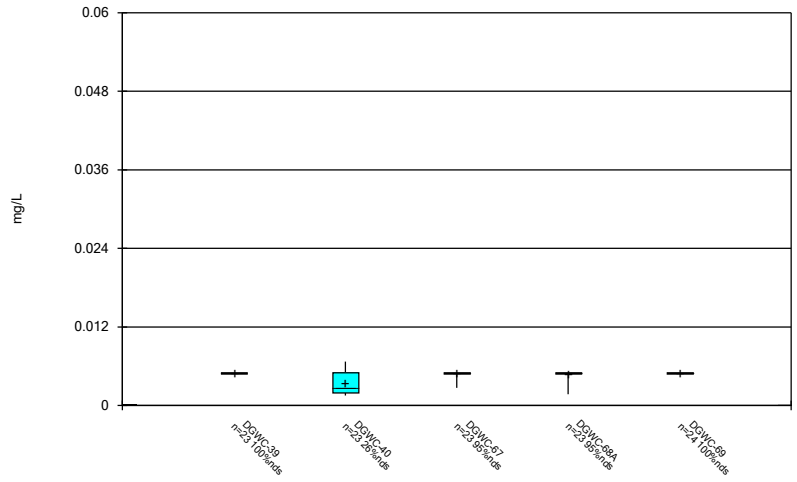
Box & Whiskers Plot



Constituent: Selenium Analysis Run 12/8/2025 3:51 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

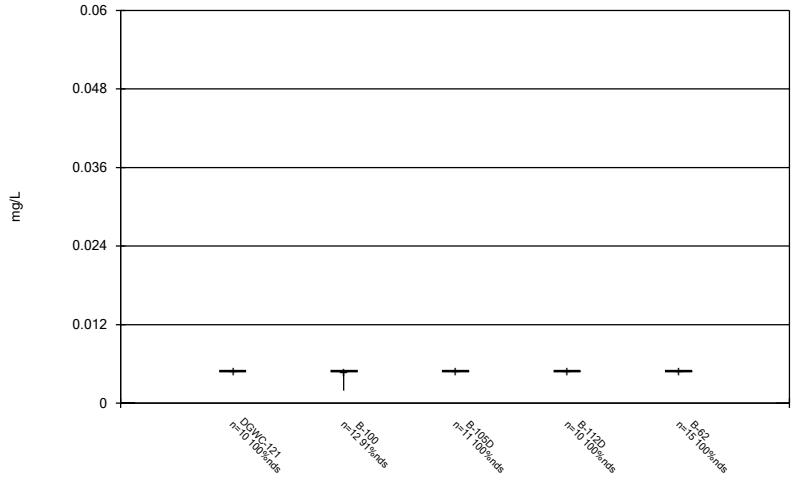
Box & Whiskers Plot



Constituent: Selenium Analysis Run 12/8/2025 3:51 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

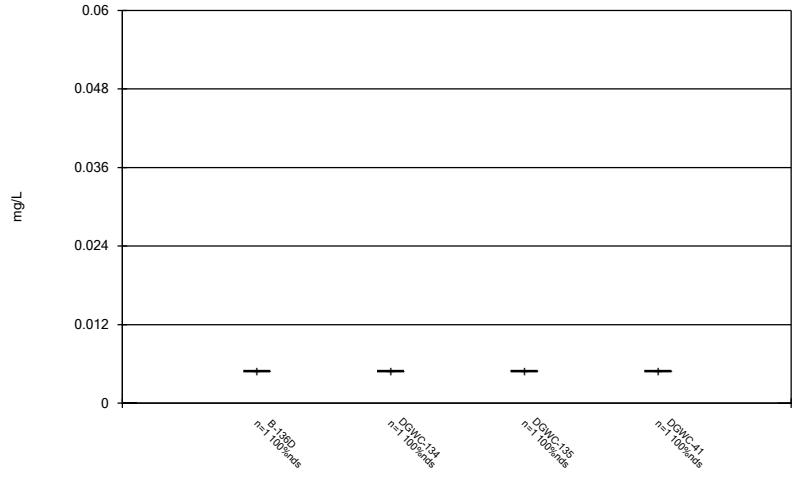
Box & Whiskers Plot



Constituent: Selenium Analysis Run 12/8/2025 3:51 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

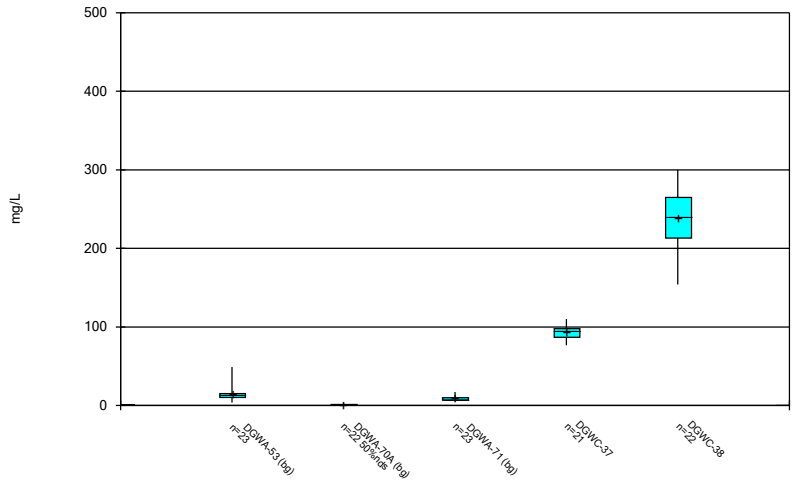
Box & Whiskers Plot



Constituent: Selenium Analysis Run 12/8/2025 3:51 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

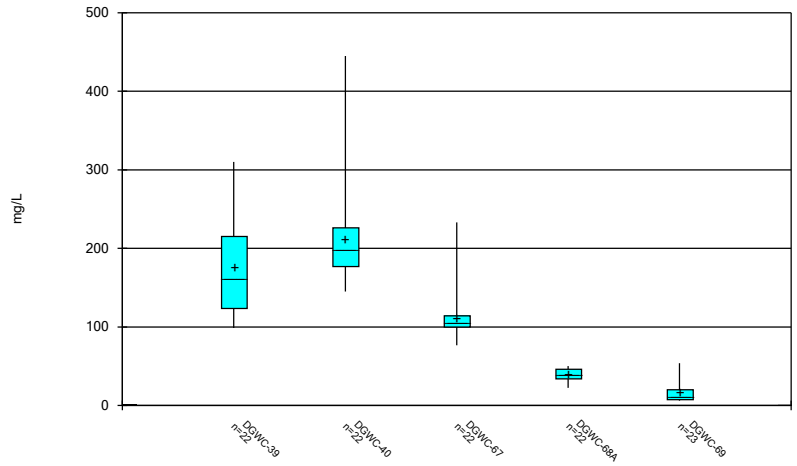
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

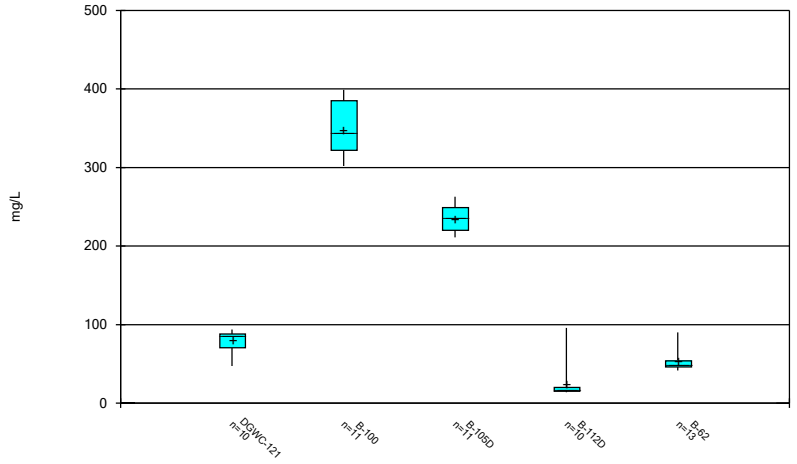
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

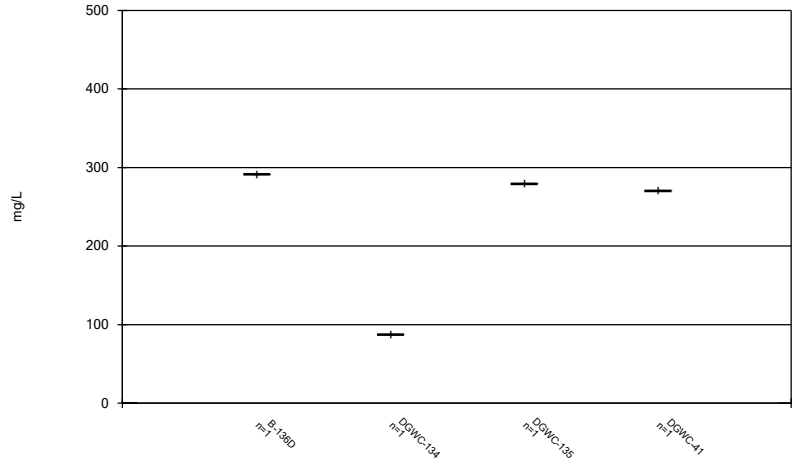
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

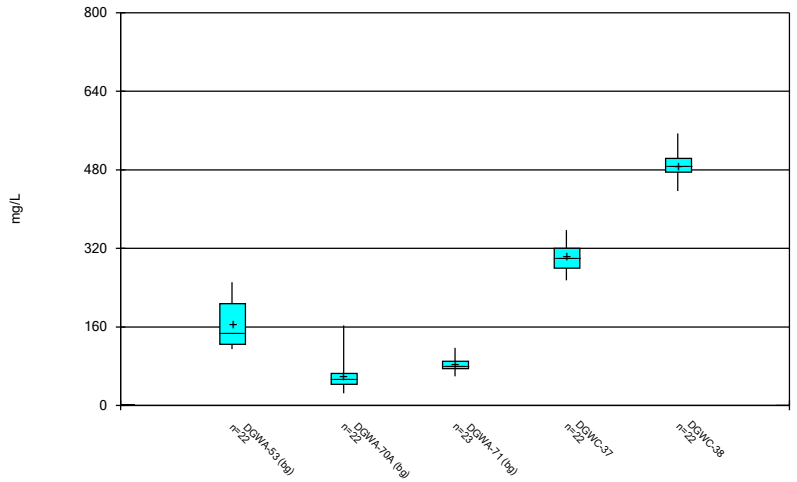
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 12/8/2025 3:51 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

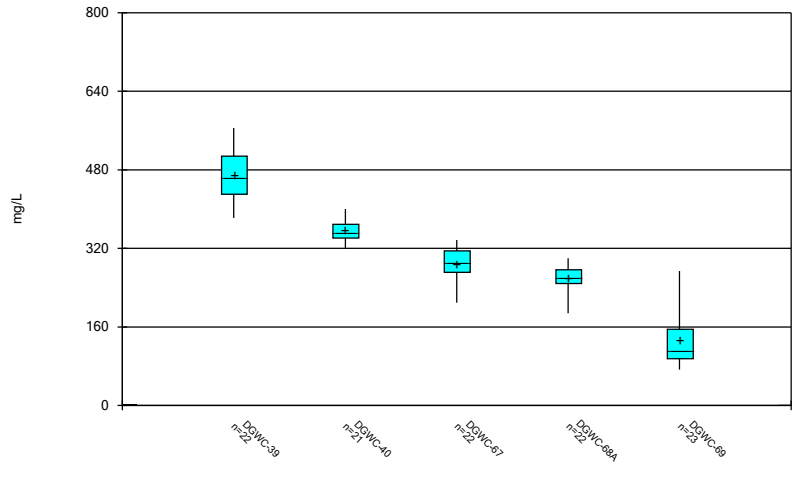
Box & Whiskers Plot



Constituent: TDS Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

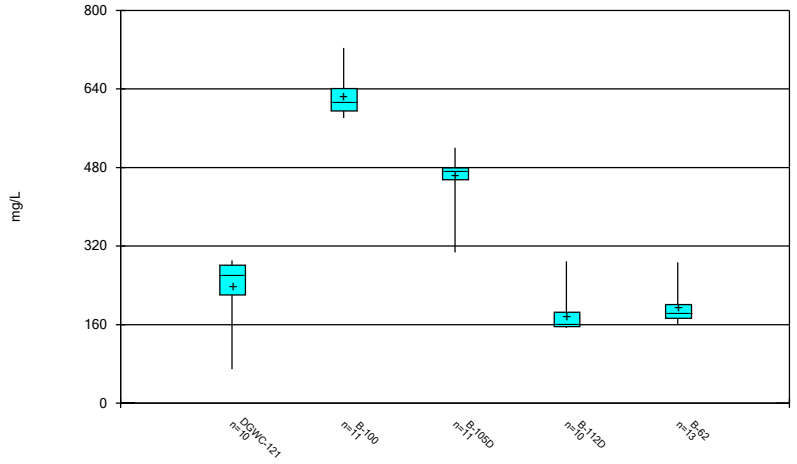
Box & Whiskers Plot



Constituent: TDS Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

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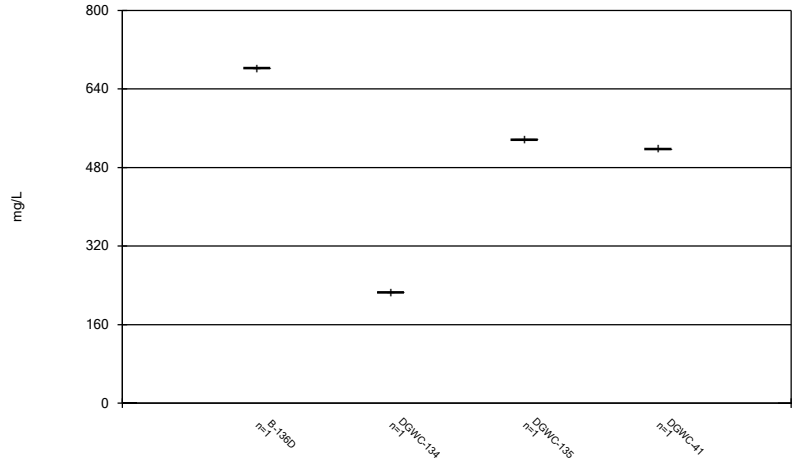
Box & Whiskers Plot



Constituent: TDS Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

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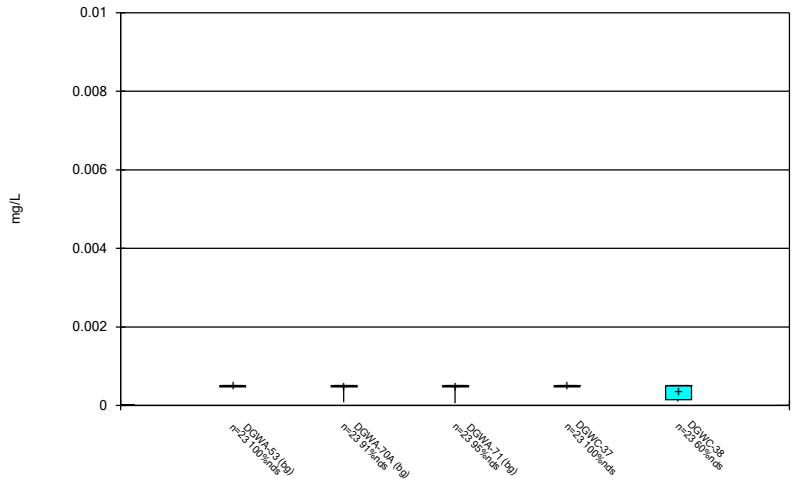
Box & Whiskers Plot



Constituent: TDS Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

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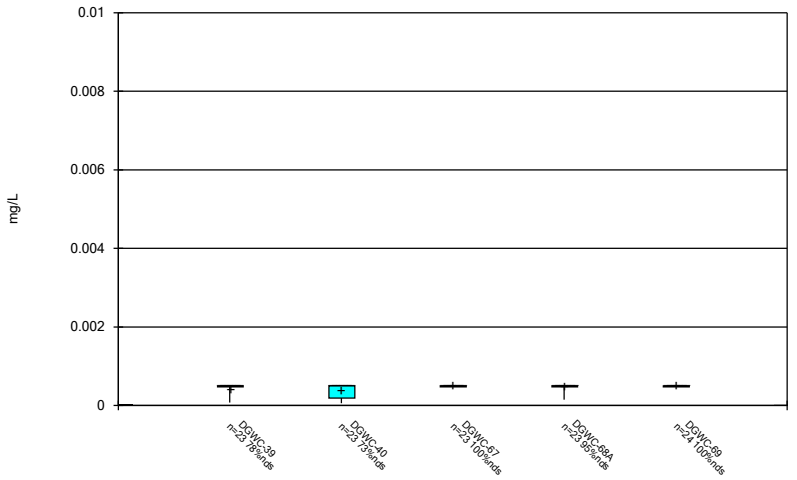
Box & Whiskers Plot



Constituent: Thallium Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

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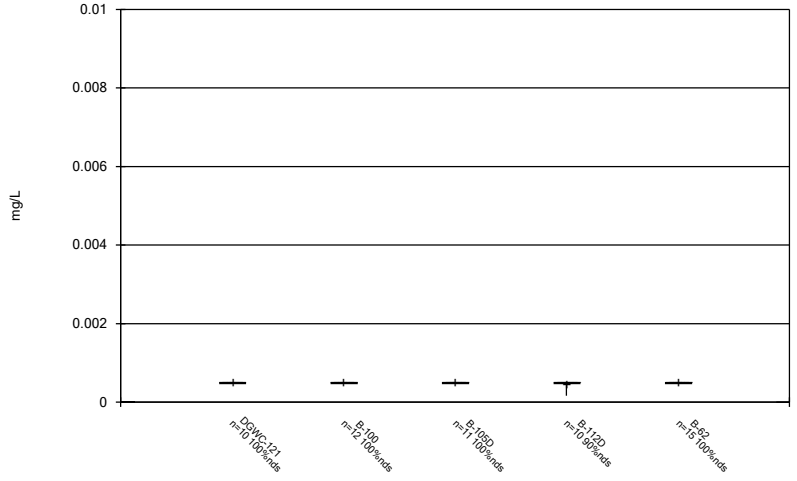
Box & Whiskers Plot



Constituent: Thallium Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

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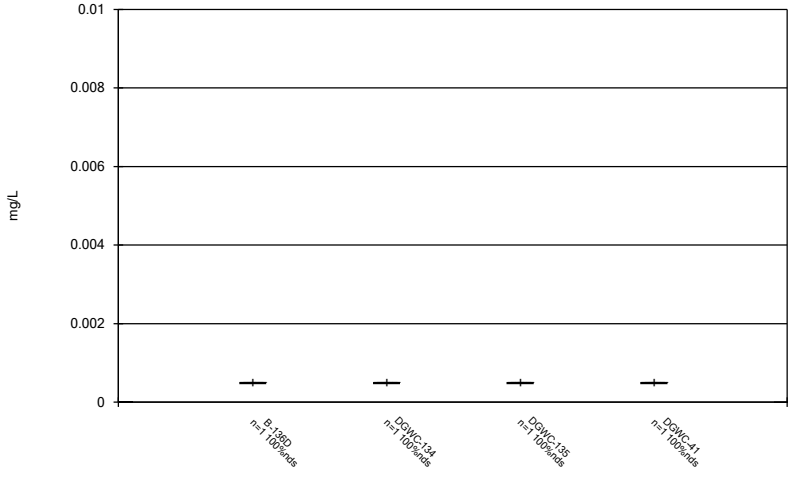
Box & Whiskers Plot



Constituent: Thallium Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 12/8/2025 3:51 PM View: Descriptive
Plant McDonough Client: Southern Company Data: McDonough AP-1

FIGURE C.

Outlier Summary

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 1:05 PM

	DGWC-68A Arsenic (mg/L)	DGWC-68A Barium (mg/L)	DGWA-71 Boron (mg/L)	DGWA-70A Chromium (mg/L)	DGWC-68A Chromium (mg/L)	DGWC-68A Cobalt (mg/L)	DGWA-70A Fluoride (mg/L)	DGWC-68A pH, Field (SU)	DGWC-37 Sulfate (mg/L)	DGWA-53 TDS (mg/L)
9/2/2016										
3/28/2017						1.2 (O)				
7/13/2017									200 (O)	
10/24/2017										671 (O)
10/15/2019				0.034 (O)						
9/16/2021	0.46 (O)	0.13 (O)			0.0014 (JO)	0.0032 (JO)	6.79 (O)			
2/4/2025			<0.5 (oX)							

	DGWC-40 TDS (mg/L)
9/2/2016	583 (O)
3/28/2017	
7/13/2017	
10/24/2017	
10/15/2019	
9/16/2021	
2/4/2025	

Tukey's Outlier Test - Upgradient Wells - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:21 AM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Chromium (mg/L)	**DGWA-53,DGWA-70A,...**	**Yes**	**0.0008,0.0006,0.0006,0.0006,0.000...**	**NP**	**NaN**	**69**	**0.004428**	**0.004024**	**ln(x)**	**ShapiroFrancia**
Cobalt (mg/L)	**DGWA-53,DGWA-70A,...**	**Yes**	**0.025,0.0281,0.0322,0.0247,0.0267...**	**NP**	**NaN**	**69**	**0.007628**	**0.007346**	**x^(1/3)**	**ShapiroFrancia**
Fluoride (mg/L)	**DGWA-53,DGWA-70A,...**	**Yes**	**1.2,0.005,0.008,0.007**	**NP**	**NaN**	**74**	**0.105**	**0.1393**	**ln(x)**	**ShapiroFrancia**

Tukey's Outlier Test - Upgradient Wells - All Results

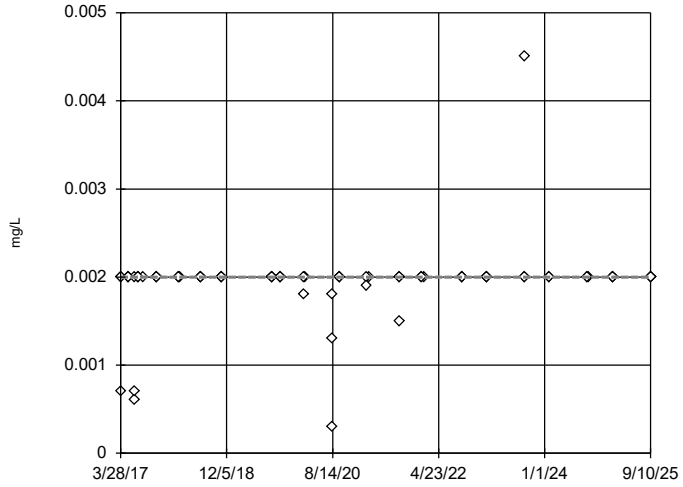
Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:21 AM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	DGWA-53,DGWA-70A,...	n/a	n/a	NP	NaN	69	0.001929	0.0004691	unknown	ShapiroFrancia
Arsenic (mg/L)	DGWA-53,DGWA-70A,...	n/a	n/a	NP	NaN	69	0.001949	0.0007308	unknown	ShapiroFrancia
Barium (mg/L)	DGWA-53,DGWA-70A,...	No	n/a	NP	NaN	69	0.05679	0.0418	ln(x)	ShapiroFrancia
Beryllium (mg/L)	DGWA-53,DGWA-70A,...	No	n/a	NP	NaN	70	0.0002728	0.0001486	ln(x)	ShapiroFrancia
Boron (mg/L)	DGWA-53,DGWA-70A,...	No	n/a	NP	NaN	67	0.03609	0.02733	sqrt(x)	ShapiroFrancia
Cadmium (mg/L)	DGWA-53,DGWA-70A,...	n/a	n/a	NP	NaN	70	0.000483	0.00007588	unknown	ShapiroFrancia
Calcium (mg/L)	DGWA-53,DGWA-70A,...	No	n/a	NP	NaN	66	11.8	9.906	ln(x)	ShapiroFrancia
Chloride (mg/L)	DGWA-53,DGWA-70A,...	No	n/a	NP	NaN	68	3.191	2.087	ln(x)	ShapiroFrancia
Chromium (mg/L)	**DGWA-53,DGWA-70A,...**	**Yes**	**0.0008,0.0006,0.0006,0.0006,0.000...**	**NP**	**NaN**	**69**	**0.004428**	**0.004024**	**ln(x)**	**ShapiroFrancia**
Cobalt (mg/L)	**DGWA-53,DGWA-70A,...**	**Yes**	**0.025,0.0281,0.0322,0.0247,0.0267...**	**NP**	**NaN**	**69**	**0.007628**	**0.007346**	**x^(1/3)**	**ShapiroFrancia**
Combined Radium 226 + 228 (pCi/L)	DGWA-53,DGWA-70A,...	No	n/a	NP	NaN	69	1.349	1.298	ln(x)	ShapiroFrancia
Fluoride (mg/L)	**DGWA-53,DGWA-70A,...**	**Yes**	**1.2,0.005,0.008,0.007**	**NP**	**NaN**	**74**	**0.105**	**0.1393**	**ln(x)**	**ShapiroFrancia**
Lead (mg/L)	DGWA-53,DGWA-70A,...	n/a	n/a	NP	NaN	69	0.0008851	0.0003001	unknown	ShapiroFrancia
Lithium (mg/L)	DGWA-53,DGWA-70A,...	No	n/a	NP	NaN	69	0.004142	0.003401	ln(x)	ShapiroFrancia
Mercury (mg/L)	DGWA-53,DGWA-70A,...	n/a	n/a	NP	NaN	69	0.0001847	0.00005119	unknown	ShapiroFrancia
Molybdenum (mg/L)	DGWA-53,DGWA-70A,...	No	n/a	NP	NaN	69	0.01547	0.009509	sqrt(x)	ShapiroFrancia
pH, Field (SU)	DGWA-53,DGWA-70A,...	No	n/a	NP	NaN	74	5.891	0.3437	ln(x)	ShapiroFrancia
Selenium (mg/L)	DGWA-53,DGWA-70A,...	No	n/a	NP	NaN	69	0.005	0	normal	ShapiroFrancia
Sulfate (mg/L)	DGWA-53,DGWA-70A,...	No	n/a	NP	NaN	68	8.095	7.589	x^(1/3)	ShapiroFrancia
TDS (mg/L)	DGWA-53,DGWA-70A,...	No	n/a	NP	NaN	68	110.7	88.89	ln(x)	ShapiroFrancia
Thallium (mg/L)	DGWA-53,DGWA-70A,...	n/a	n/a	NP	NaN	69	0.0004879	0.00007302	unknown	ShapiroFrancia

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 69

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.

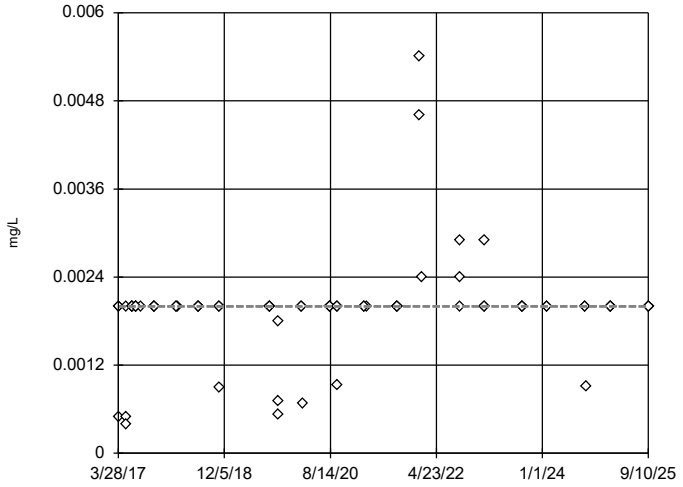
Constituent: Antimony Analysis Run 11/19/2025 10:18 AM View: Outlier Screening - Upgradient Wells

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 69

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.

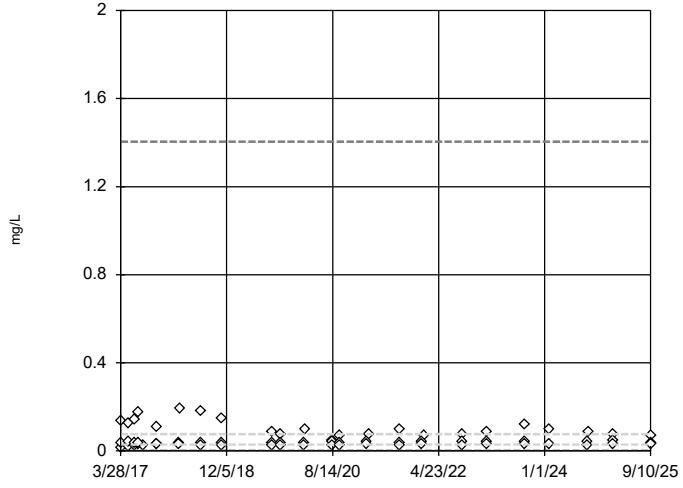
Constituent: Arsenic Analysis Run 11/19/2025 10:18 AM View: Outlier Screening - Upgradient Wells

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 69

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 = 1.404, low cutoff = 0.00158, based on IQR multiplier of 3.

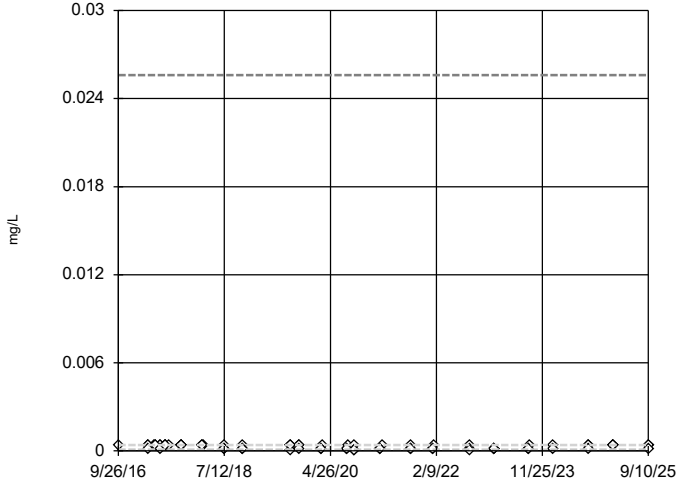
Constituent: Barium Analysis Run 11/19/2025 10:18 AM View: Outlier Screening - Upgradient Wells

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 70

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 = 0.0256, low cutoff = 0.000001563, based on IQR multiplier of 3.

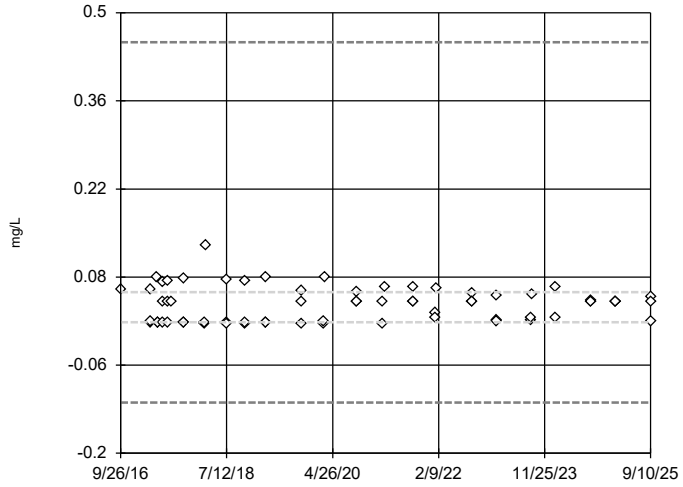
Constituent: Beryllium Analysis Run 11/19/2025 10:18 AM View: Outlier Screening - Upgradient Wells

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 67

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 = 0.4533, low cutoff = -0.1194, based on IQR multiplier of 3.

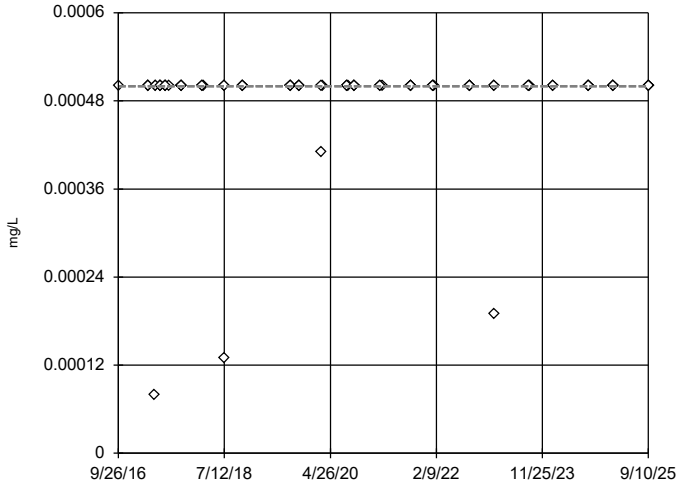
Constituent: Boron Analysis Run 11/19/2025 10:19 AM View: Outlier Screening - Upgradient Wells

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 70

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

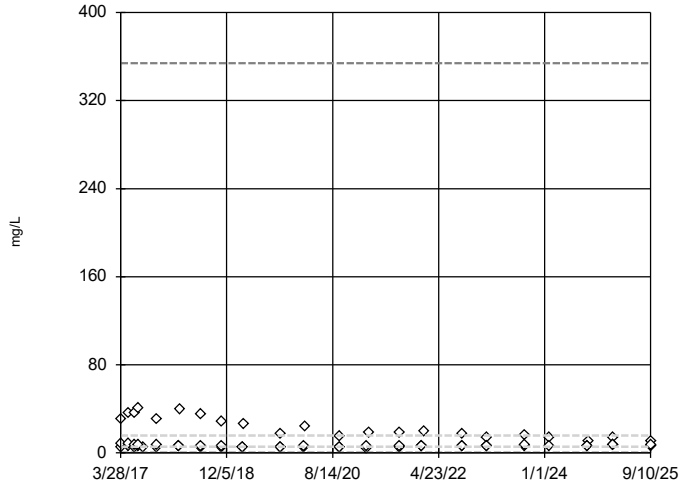
Constituent: Cadmium Analysis Run 11/19/2025 10:19 AM View: Outlier Screening - Upgradient Wells

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 66

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 = 354, low cutoff = 0.2537, based on IQR multiplier of 3.

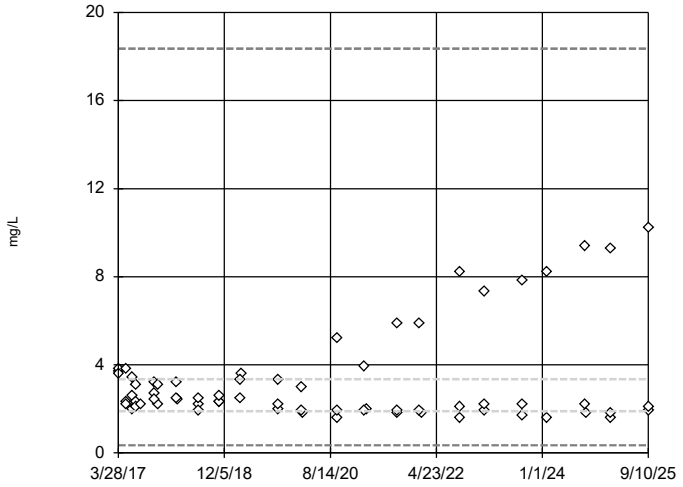
Constituent: Calcium Analysis Run 11/19/2025 10:19 AM View: Outlier Screening - Upgradient Wells

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 68

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 = 18.35, low cutoff = 0.3468, based on IQR multiplier of 3.

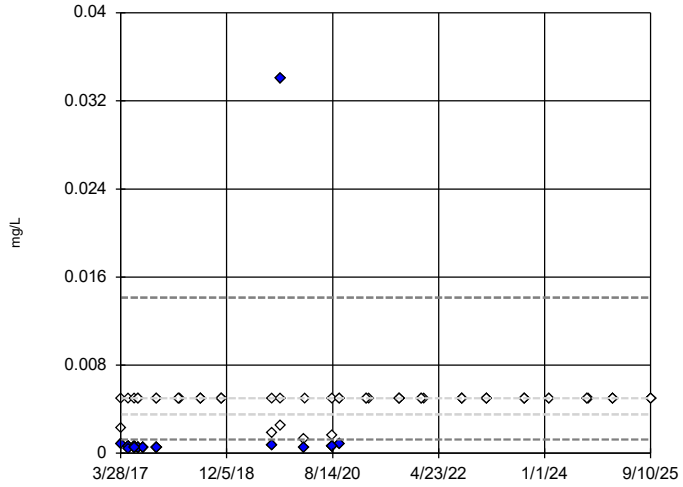
Constituent: Chloride Analysis Run 11/19/2025 10:19 AM View: Outlier Screening - Upgradient Wells

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 69

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

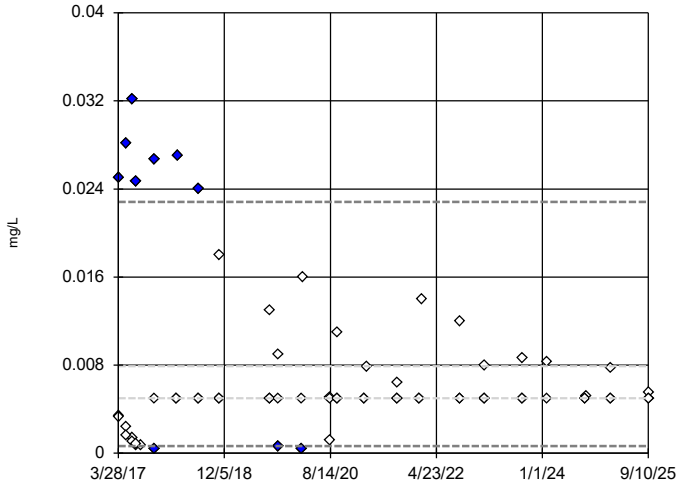
High cutoff = 0.01414, low cutoff = 0.00125, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 11/19/2025 10:19 AM View: Outlier Screening - Upgradient Wells
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 69

Outliers are drawn as solid.
Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

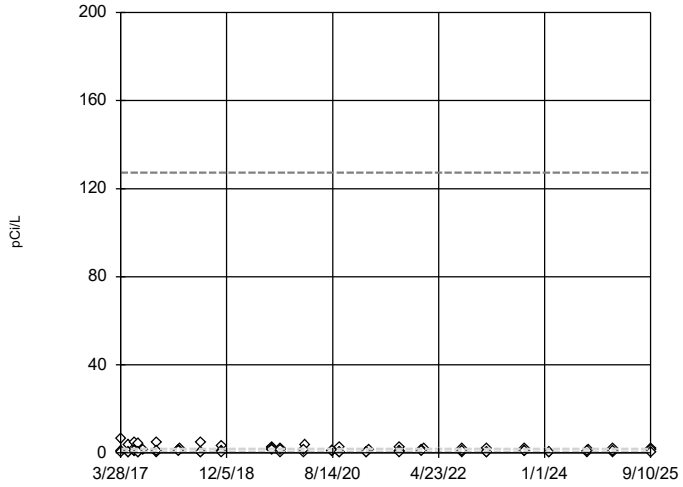
High cutoff = 0.02282, low cutoff = 0.0006475, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 11/19/2025 10:19 AM View: Outlier Screening - Upgradient Wells
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 69

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

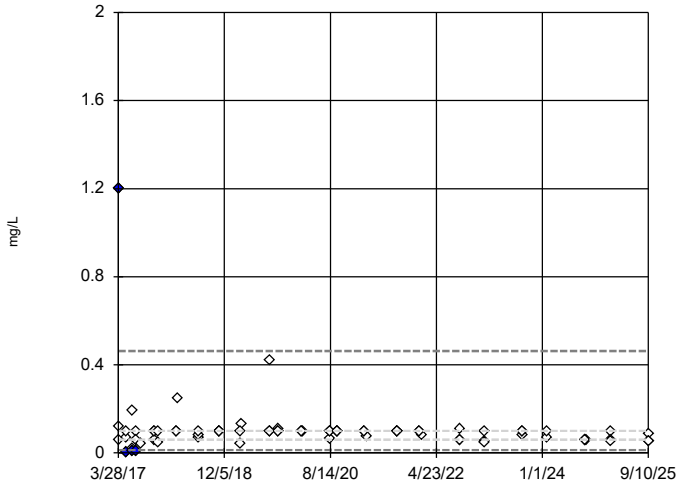
High cutoff = 127.3, low cutoff = 0.006729, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 11/19/2025 10:19 AM View: Outlier Screening - U
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 74

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

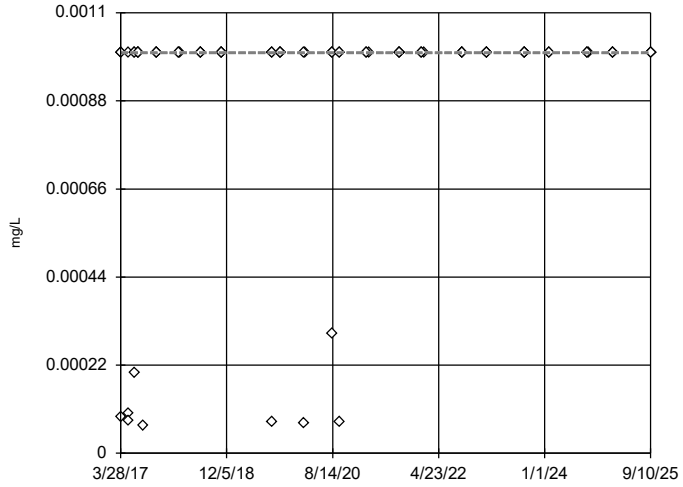
High cutoff = 0.463, low cutoff = 0.01296, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 11/19/2025 10:19 AM View: Outlier Screening - Upgradient Wells
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 69

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.

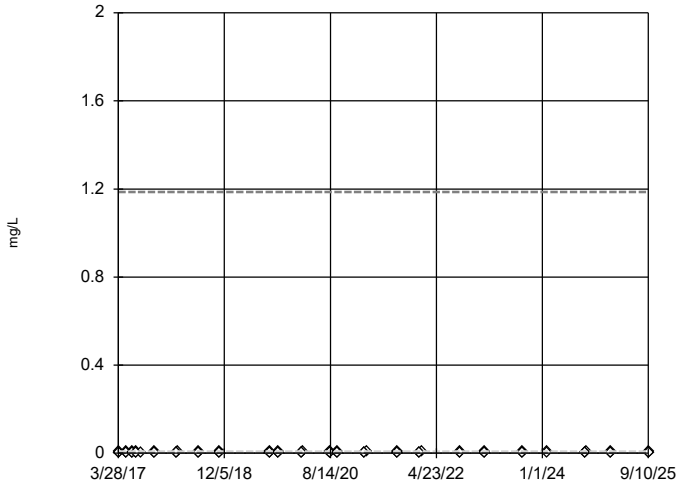
Constituent: Lead Analysis Run 11/19/2025 10:19 AM View: Outlier Screening - Upgradient Wells

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 69

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 = 1.187, low cutoff = 0.00001126, based on IQR multiplier of 3.

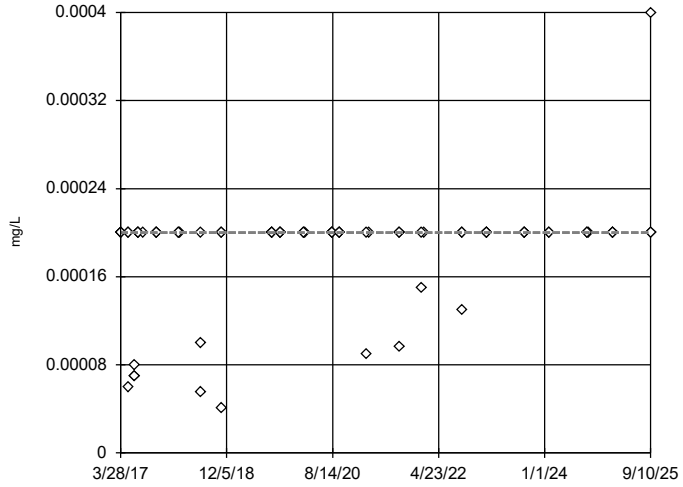
Constituent: Lithium Analysis Run 11/19/2025 10:19 AM View: Outlier Screening - Upgradient Wells

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 69

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.

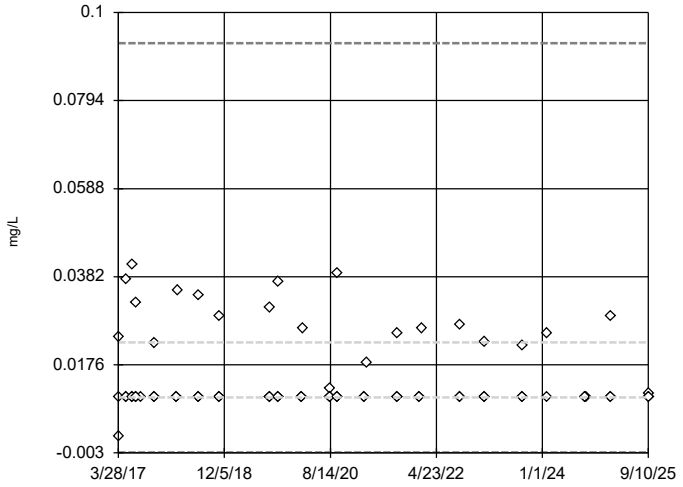
Constituent: Mercury Analysis Run 11/19/2025 10:19 AM View: Outlier Screening - Upgradient Wells

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 69

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 = 0.09281, low cutoff = -0.002861, based on IQR multiplier of 3.

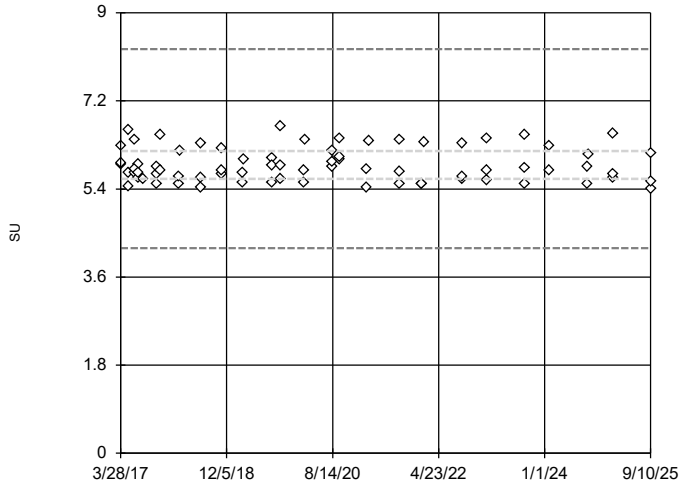
Constituent: Molybdenum Analysis Run 11/19/2025 10:19 AM View: Outlier Screening - Upgradient Wells

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 74

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 = 8.257, low cutoff = 4.192, based on IQR multiplier of 3.

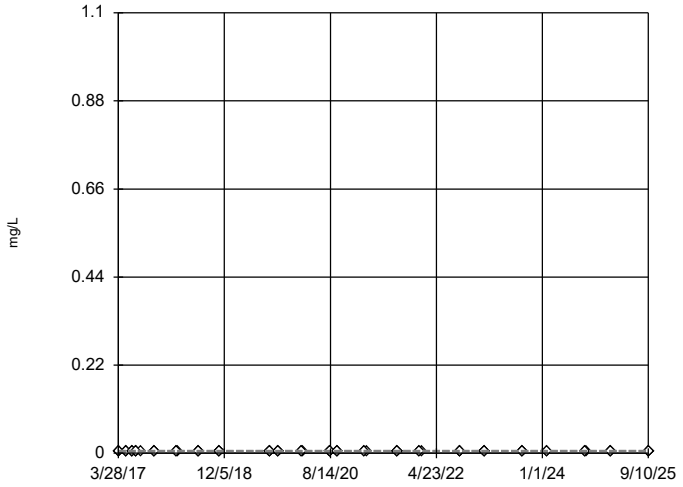
Constituent: pH, Field Analysis Run 11/19/2025 10:19 AM View: Outlier Screening - Upgradient Wells

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 69

No outliers found. Tukey's method selected by user.

All values are the same.

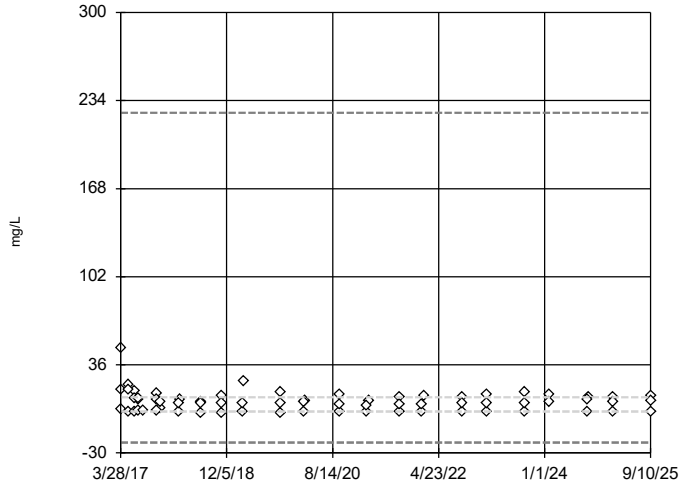
Constituent: Selenium Analysis Run 11/19/2025 10:19 AM View: Outlier Screening - Upgradient Wells

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 68

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 224.8, low cutoff = -22.2, based on IQR multiplier of 3.

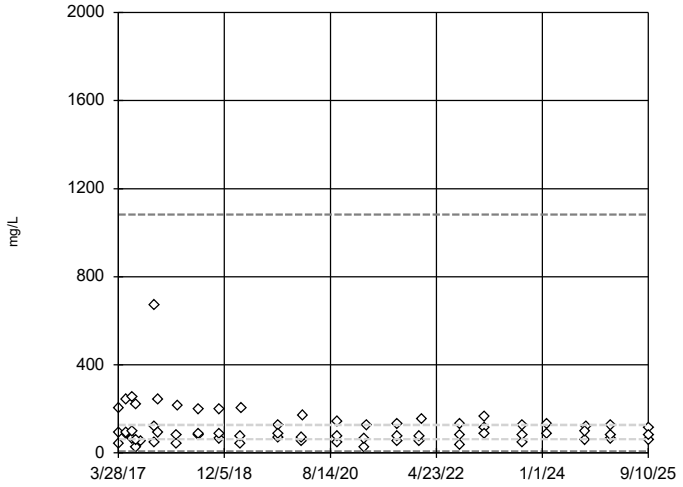
Constituent: Sulfate Analysis Run 11/19/2025 10:19 AM View: Outlier Screening - Upgradient Wells

Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 68

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 = 1082, low cutoff = 7.362, based on IQR multiplier of 3.

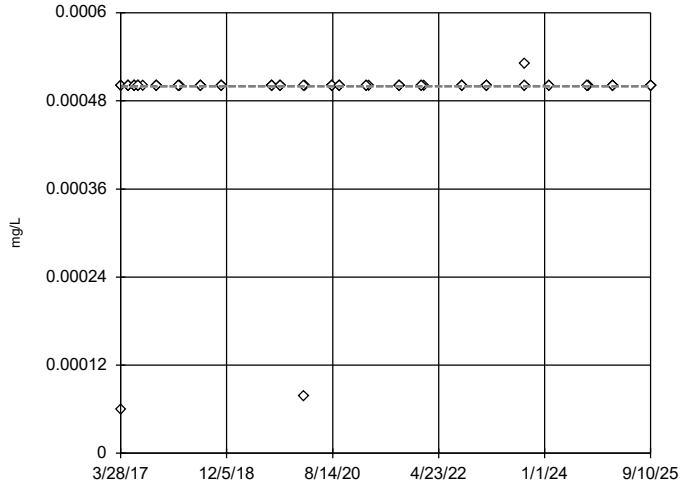
Constituent: TDS Analysis Run 11/19/2025 10:19 AM View: Outlier Screening - Upgradient Wells

Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

DGWA-53,DGWA-70A,DGWA-71



n = 69

No outliers found. Tukey's method selected by user.

Data were cube 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 11/19/2025 10:19 AM View: Outlier Screening - Upgradient Wells

Plant McDonough Client: Southern Company Data: McDonough AP-1

FIGURE D.

Appendix III Trend Tests - Upgradient Wells - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:15 AM

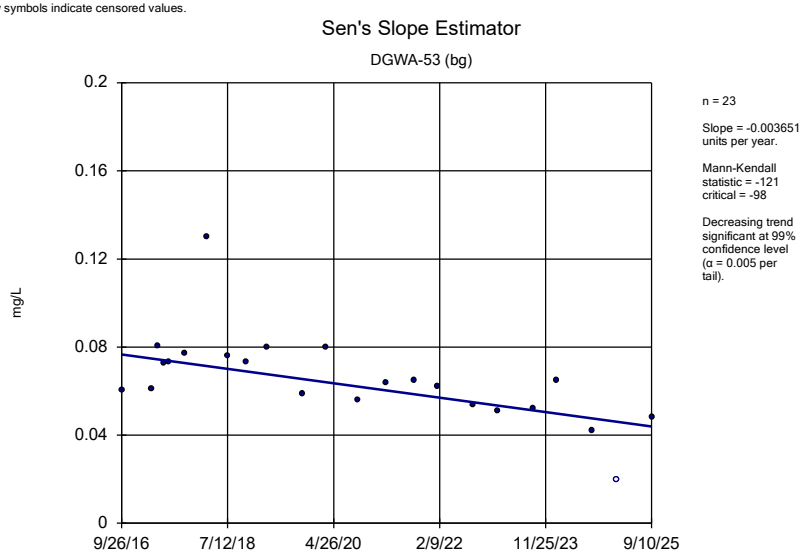
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**DGWA-53 (bg)**	**-0.003651**	**-121**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**DGWA-53 (bg)**	**-2.925**	**-178**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**DGWA-53 (bg)**	**-0.1099**	**-153**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**DGWA-71 (bg)**	**0.7835**	**152**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**DGWA-53 (bg)**	**-14.53**	**-168**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Upgradient Wells - All Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:15 AM

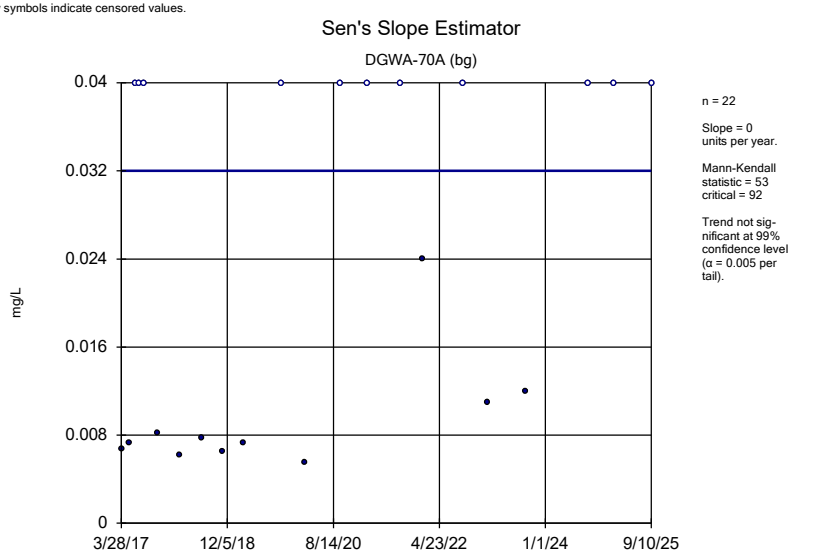
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**DGWA-53 (bg)**	**-0.003651**	**-121**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	DGWA-70A (bg)	0	53	92	No	22	50	n/a	n/a	0.01	NP
Boron (mg/L)	DGWA-71 (bg)	0.0007332	53	87	No	21	19.05	n/a	n/a	0.01	NP
Calcium (mg/L)	**DGWA-53 (bg)**	**-2.925**	**-178**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	DGWA-70A (bg)	0.105	63	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	DGWA-71 (bg)	-0.04368	-15	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**DGWA-53 (bg)**	**-0.1099**	**-153**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	DGWA-70A (bg)	-0.02359	-59	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**DGWA-71 (bg)**	**0.7835**	**152**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	DGWA-53 (bg)	-0.003706	-57	-111	No	25	4	n/a	n/a	0.01	NP
Fluoride (mg/L)	DGWA-70A (bg)	0	24	98	No	23	52.17	n/a	n/a	0.01	NP
Fluoride (mg/L)	DGWA-71 (bg)	0	-28	-111	No	25	68	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-53 (bg)	0.01168	23	111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-70A (bg)	-0.02274	-88	-105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-71 (bg)	-0.002658	-11	-111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	DGWA-53 (bg)	-0.2961	-34	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	DGWA-70A (bg)	0	-12	-92	No	22	50	n/a	n/a	0.01	NP
Sulfate (mg/L)	DGWA-71 (bg)	-0.3401	-74	-98	No	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	**DGWA-53 (bg)**	**-14.53**	**-168**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	DGWA-70A (bg)	1.031	16	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	DGWA-71 (bg)	-0.8924	-39	-98	No	23	0	n/a	n/a	0.01	NP

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Hollow symbols indicate censored values.



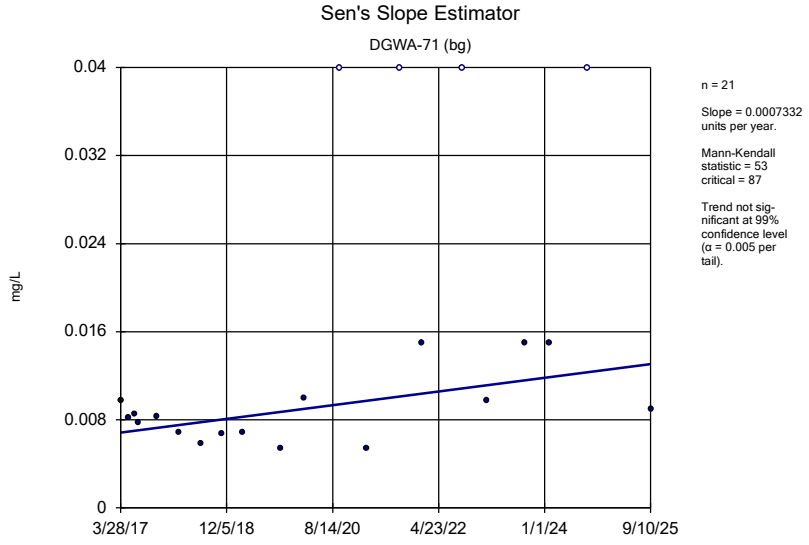
Constituent: Boron Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



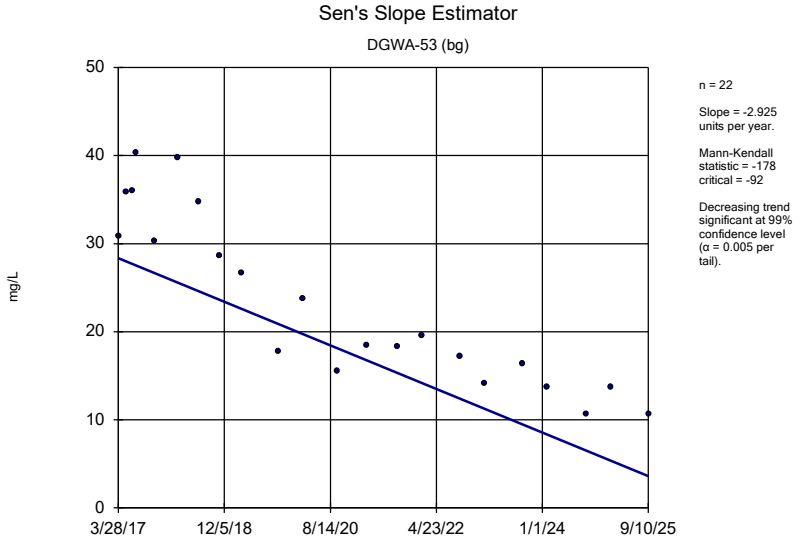
Constituent: Boron Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



Constituent: Boron Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

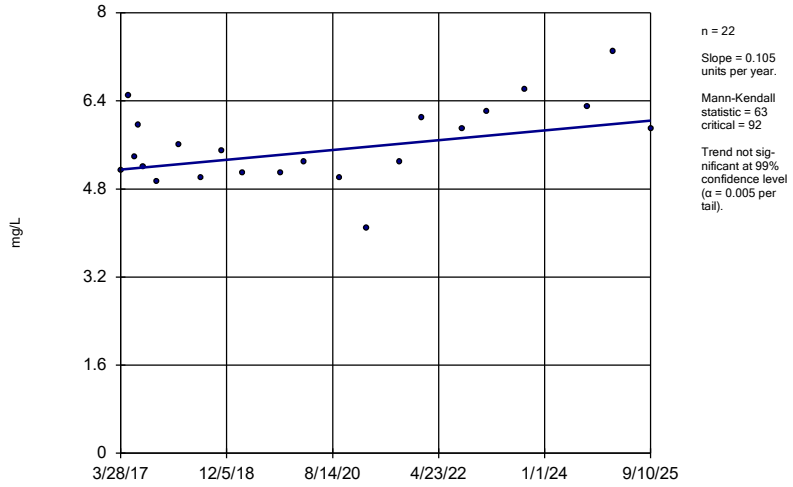


Constituent: Calcium Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

DGWA-70A (bg)



n = 22

Slope = 0.105 units per year.

Mann-Kendall statistic = 63 critical = 92

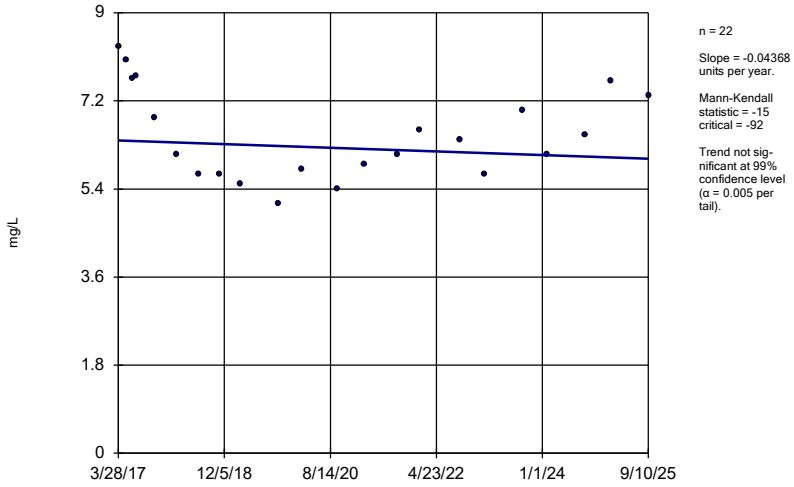
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

DGWA-71 (bg)



n = 22

Slope = -0.04368 units per year.

Mann-Kendall statistic = -15 critical = -92

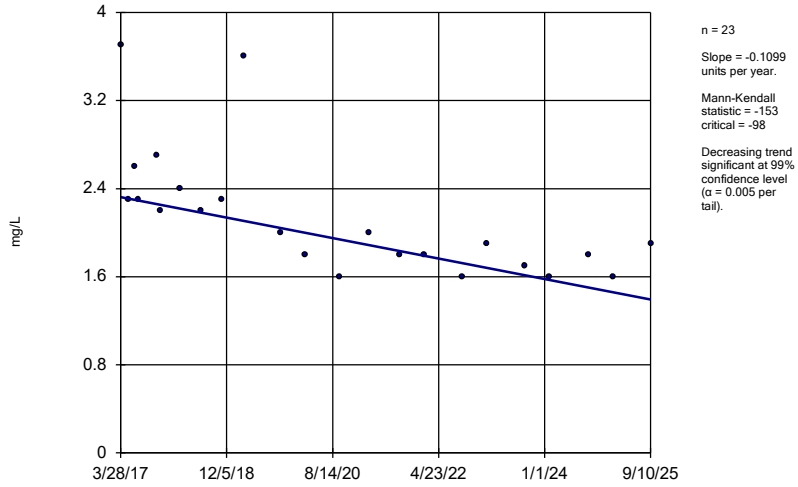
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-53 (bg)



n = 23

Slope = -0.1099 units per year.

Mann-Kendall statistic = -153 critical = -98

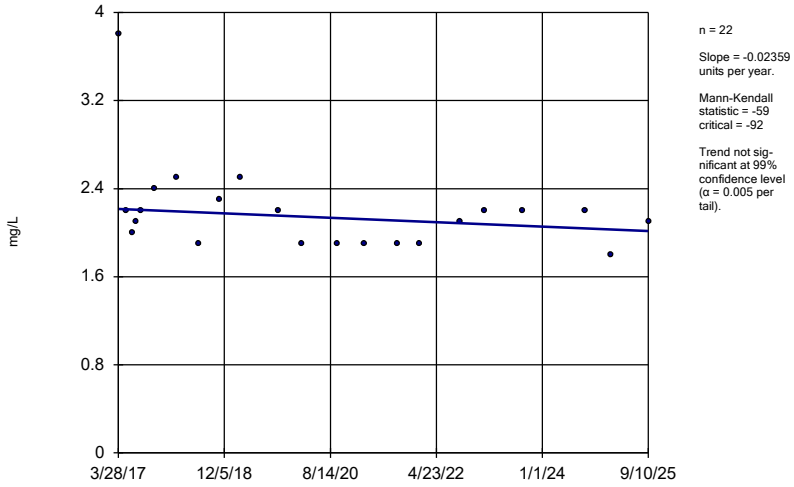
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-70A (bg)



n = 22

Slope = -0.02359 units per year.

Mann-Kendall statistic = -59 critical = -92

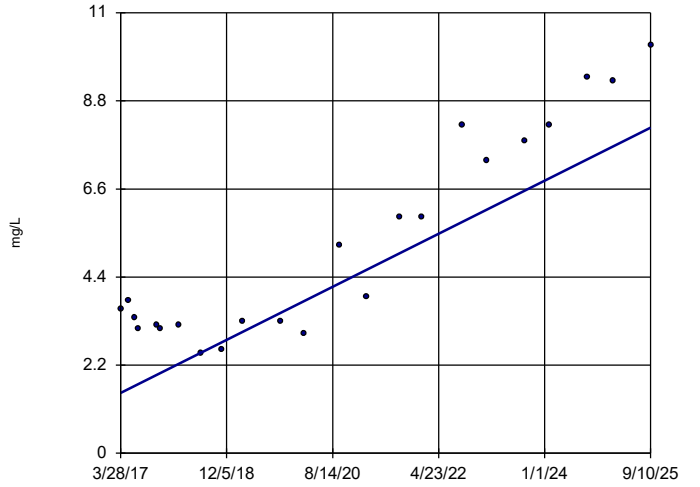
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-71 (bg)



n = 23

Slope = 0.7835 units per year.

Mann-Kendall statistic = 152
critical = 98

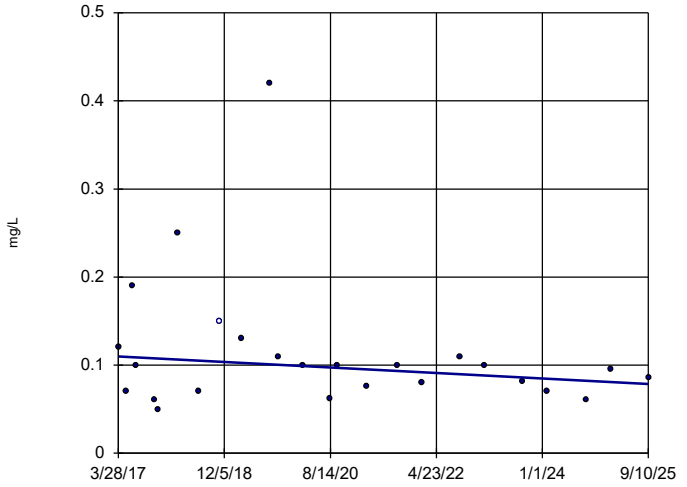
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-53 (bg)



n = 25

Slope = -0.003706 units per year.

Mann-Kendall statistic = -57
critical = -111

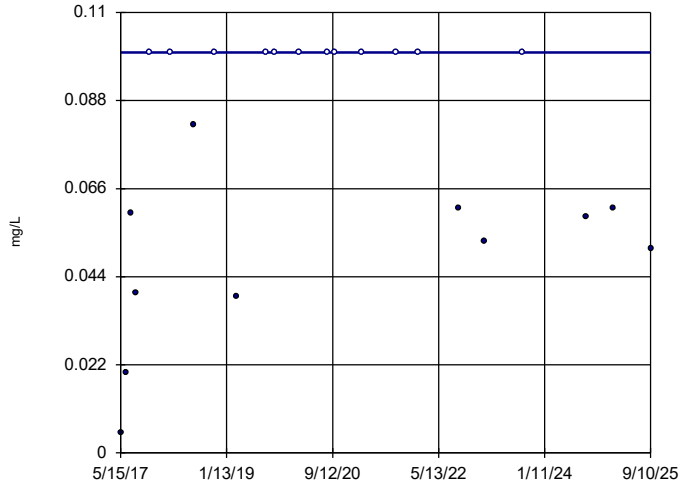
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-70A (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 24
critical = 98

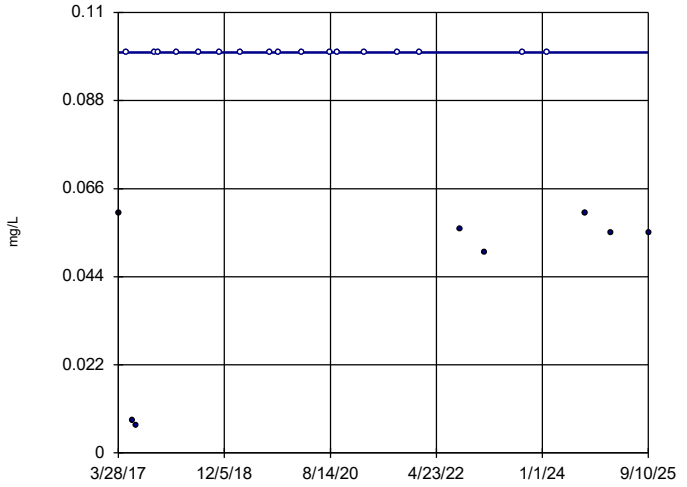
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-71 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -28
critical = -111

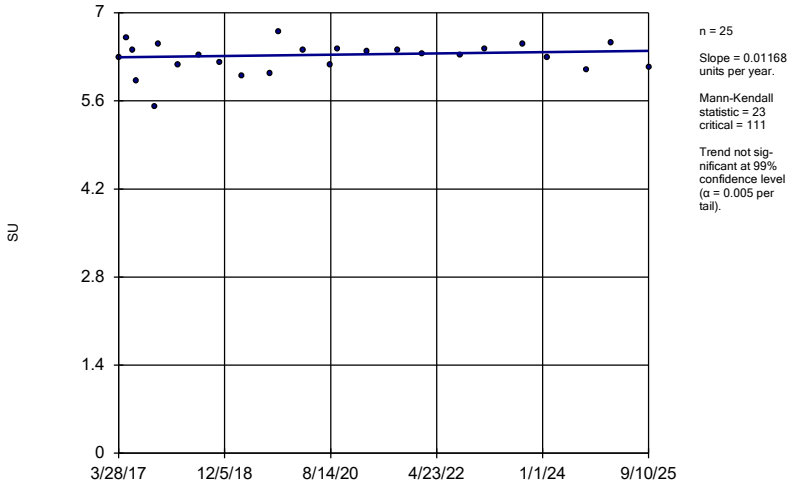
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-53 (bg)



n = 25

Slope = 0.01168 units per year.

Mann-Kendall statistic = 23 critical = 111

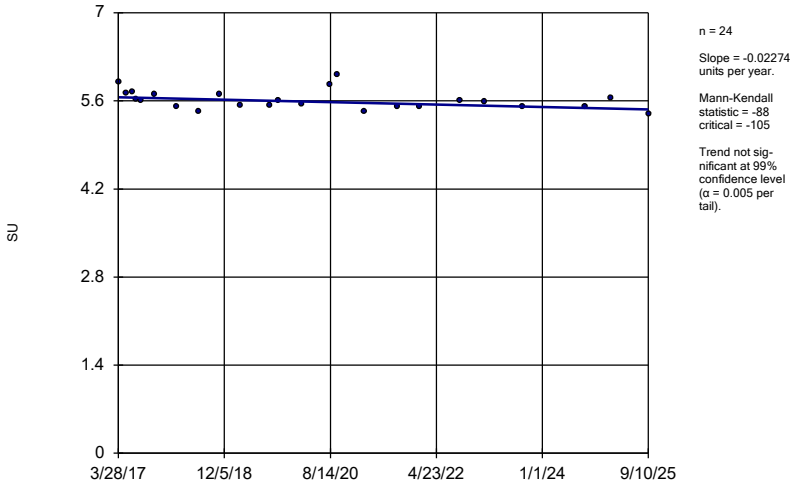
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-70A (bg)



n = 24

Slope = -0.02274 units per year.

Mann-Kendall statistic = -88 critical = -105

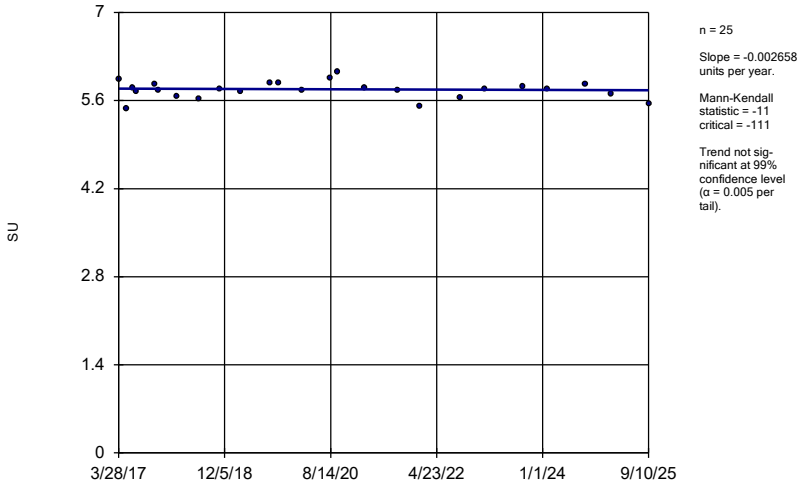
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

DGWA-71 (bg)



n = 25

Slope = -0.002658 units per year.

Mann-Kendall statistic = -11 critical = -111

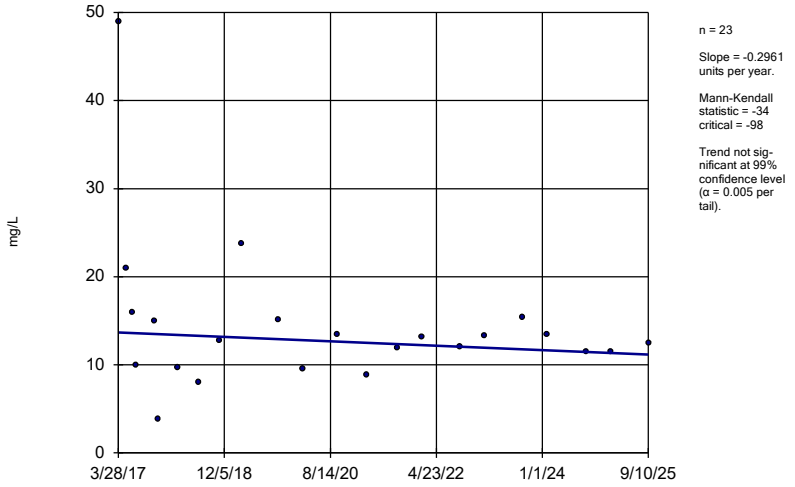
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-53 (bg)



n = 23

Slope = -0.2961 units per year.

Mann-Kendall statistic = -34 critical = -98

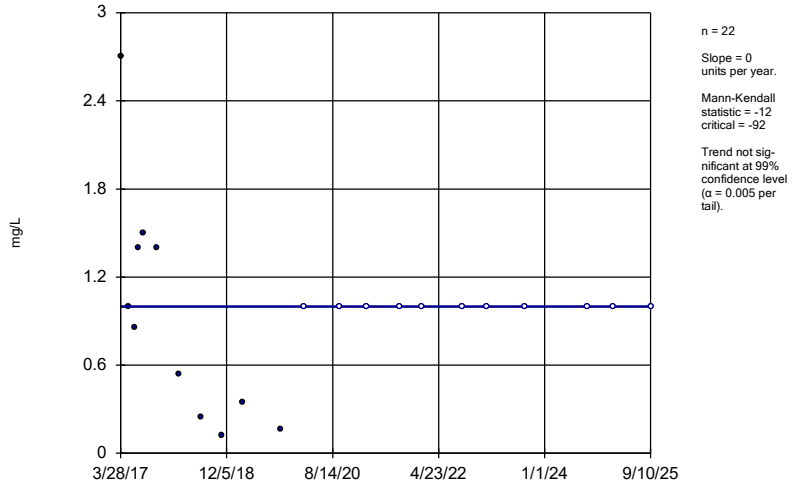
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-70A (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -12
critical = -92

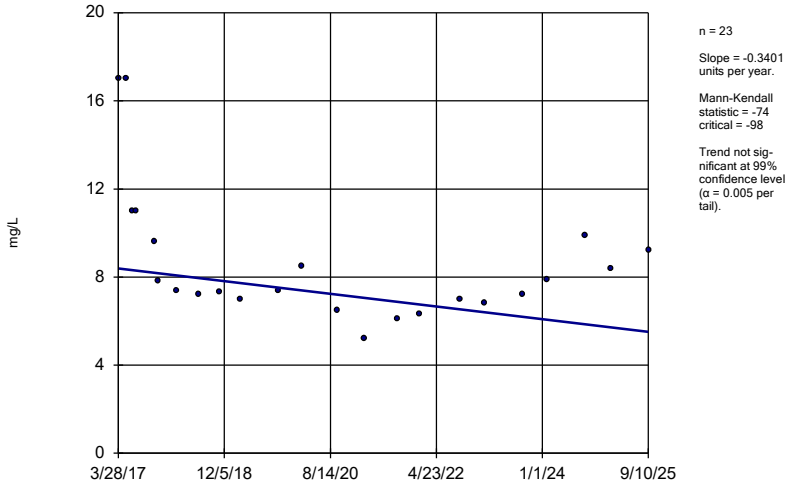
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-71 (bg)



n = 23

Slope = -0.3401 units per year.

Mann-Kendall statistic = -74
critical = -98

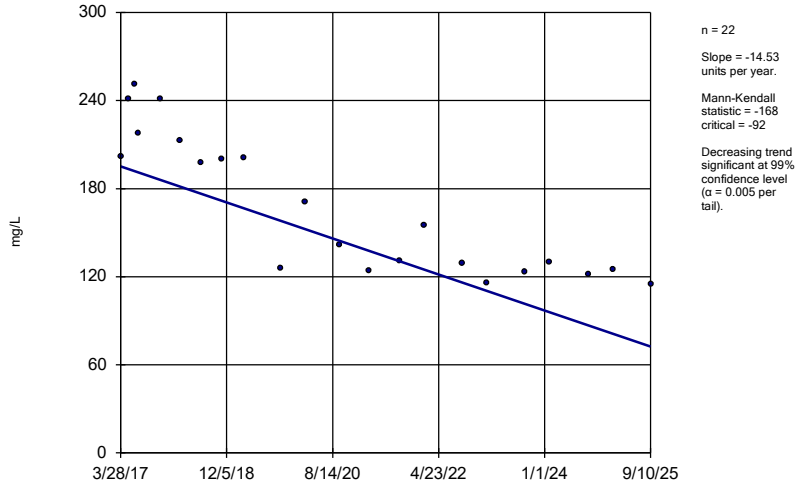
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-53 (bg)



n = 22

Slope = -14.53 units per year.

Mann-Kendall statistic = -168
critical = -92

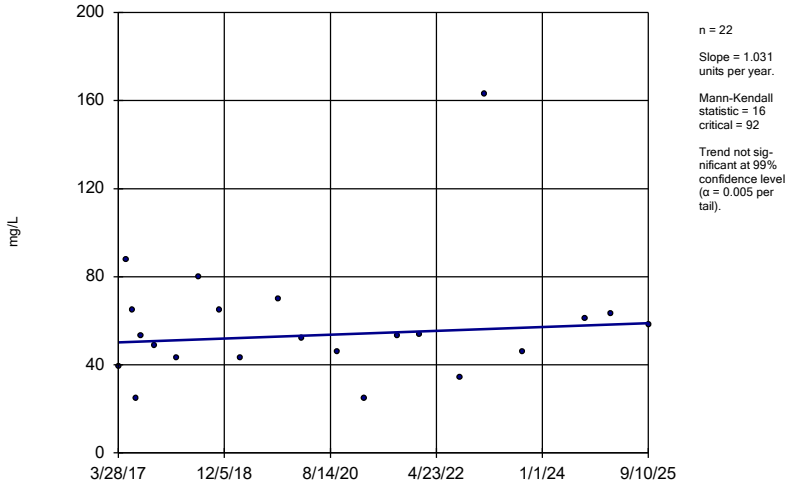
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-70A (bg)



n = 22

Slope = 1.031 units per year.

Mann-Kendall statistic = 16
critical = 92

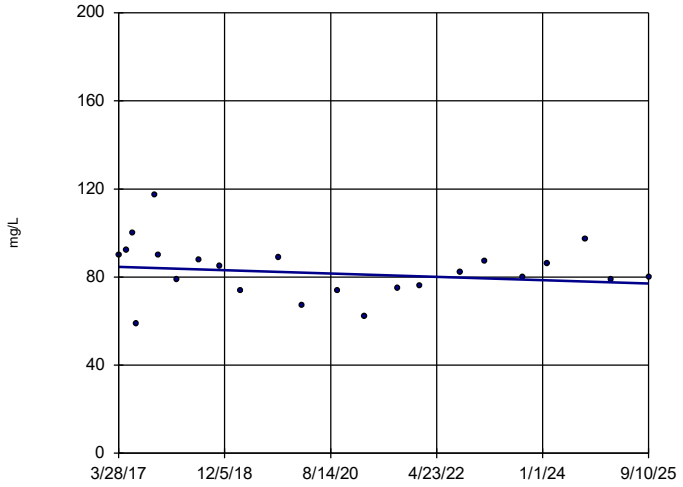
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-71 (bg)



n = 23

Slope = -0.8924 units per year.

Mann-Kendall statistic = -39
critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 11/19/2025 10:13 AM View: Appendix III - Upgradient Trend Testing

Plant McDonough Client: Southern Company Data: McDonough AP-1

Appendix IV Trend Tests - Upgradient Wells - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:17 AM

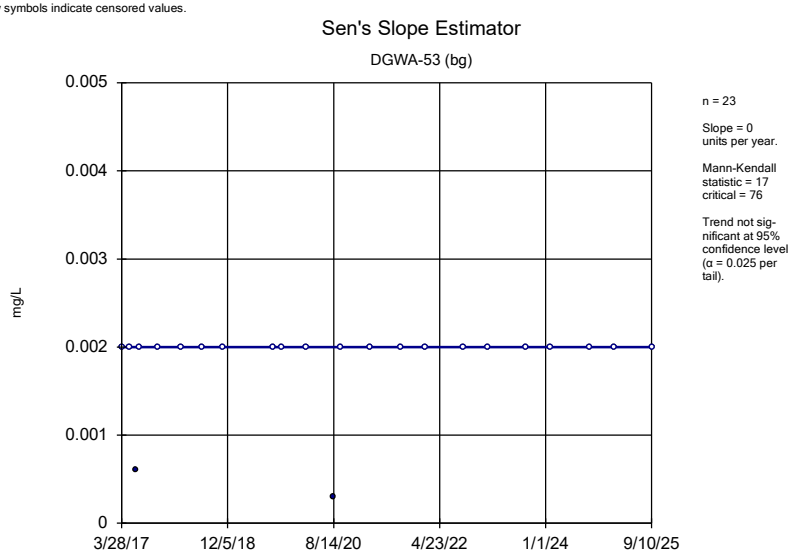
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	**DGWA-53 (bg)**	**-0.007857**	**-110**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**DGWA-70A (bg)**	**0.00201**	**173**	**76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**DGWA-70A (bg)**	**0.0003166**	**109**	**71**	**Yes**	**22**	**54.55**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**DGWA-53 (bg)**	**-0.002826**	**-169**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**DGWA-71 (bg)**	**0**	**80**	**76**	**Yes**	**23**	**78.26**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**DGWA-53 (bg)**	**-0.3583**	**-143**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**DGWA-53 (bg)**	**-0.001775**	**-98**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Upgradient Wells - All Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:17 AM

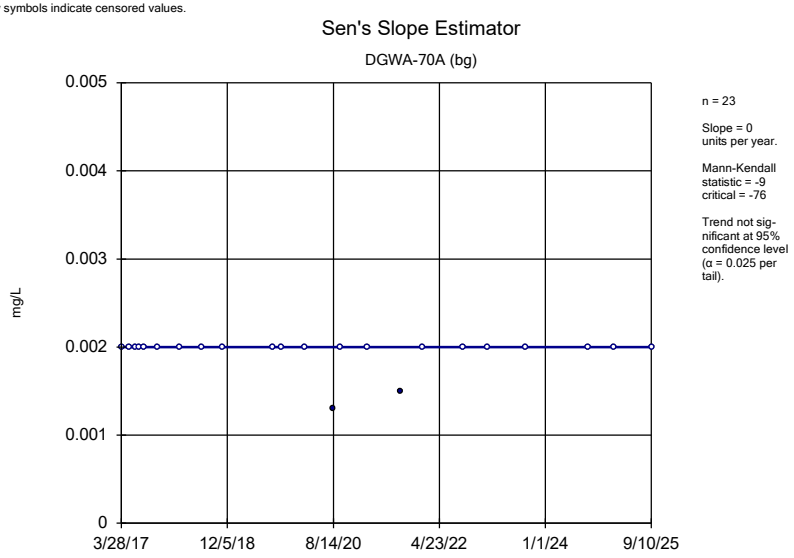
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	DGWA-53 (bg)	0	17	76	No	23	91.3	n/a	n/a	0.05	NP
Antimony (mg/L)	DGWA-70A (bg)	0	-9	-76	No	23	91.3	n/a	n/a	0.05	NP
Antimony (mg/L)	DGWA-71 (bg)	0	55	76	No	23	73.91	n/a	n/a	0.05	NP
Arsenic (mg/L)	DGWA-53 (bg)	0	63	76	No	23	56.52	n/a	n/a	0.05	NP
Arsenic (mg/L)	DGWA-70A (bg)	0	21	76	No	23	86.96	n/a	n/a	0.05	NP
Arsenic (mg/L)	DGWA-71 (bg)	0	31	76	No	23	86.96	n/a	n/a	0.05	NP
Barium (mg/L)	**DGWA-53 (bg)**	**-0.007857**	**-110**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**DGWA-70A (bg)**	**0.00201**	**173**	**76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	DGWA-71 (bg)	-0.000626	-47	-76	No	23	0	n/a	n/a	0.05	NP
Beryllium (mg/L)	DGWA-53 (bg)	0	-13	-81	No	24	95.83	n/a	n/a	0.05	NP
Beryllium (mg/L)	DGWA-70A (bg)	0	-55	-76	No	23	47.83	n/a	n/a	0.05	NP
Beryllium (mg/L)	DGWA-71 (bg)	0	-20	-76	No	23	26.09	n/a	n/a	0.05	NP
Cadmium (mg/L)	DGWA-53 (bg)	0	18	81	No	24	87.5	n/a	n/a	0.05	NP
Cadmium (mg/L)	DGWA-70A (bg)	0	0	76	No	23	95.65	n/a	n/a	0.05	NP
Cadmium (mg/L)	DGWA-71 (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Chromium (mg/L)	DGWA-53 (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Chromium (mg/L)	**DGWA-70A (bg)**	**0.0003166**	**109**	**71**	**Yes**	**22**	**54.55**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	DGWA-71 (bg)	0	73	76	No	23	69.57	n/a	n/a	0.05	NP
Cobalt (mg/L)	**DGWA-53 (bg)**	**-0.002826**	**-169**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	DGWA-70A (bg)	0	71	76	No	23	65.22	n/a	n/a	0.05	NP
Cobalt (mg/L)	**DGWA-71 (bg)**	**0**	**80**	**76**	**Yes**	**23**	**78.26**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**DGWA-53 (bg)**	**-0.3583**	**-143**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	DGWA-70A (bg)	-0.007547	-6	-76	No	23	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	DGWA-71 (bg)	0	0	76	No	23	0	n/a	n/a	0.05	NP
Fluoride (mg/L)	DGWA-53 (bg)	-0.003706	-57	-85	No	25	4	n/a	n/a	0.05	NP
Fluoride (mg/L)	DGWA-70A (bg)	0	24	76	No	23	52.17	n/a	n/a	0.05	NP
Fluoride (mg/L)	DGWA-71 (bg)	0	-28	-85	No	25	68	n/a	n/a	0.05	NP
Lead (mg/L)	DGWA-53 (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Lead (mg/L)	DGWA-70A (bg)	0	71	76	No	23	65.22	n/a	n/a	0.05	NP
Lead (mg/L)	DGWA-71 (bg)	0	20	76	No	23	95.65	n/a	n/a	0.05	NP
Lithium (mg/L)	DGWA-53 (bg)	-0.0000955	-51	-76	No	23	0	n/a	n/a	0.05	NP
Lithium (mg/L)	DGWA-70A (bg)	0	-45	-76	No	23	82.61	n/a	n/a	0.05	NP
Lithium (mg/L)	DGWA-71 (bg)	0	-17	-76	No	23	21.74	n/a	n/a	0.05	NP
Mercury (mg/L)	DGWA-53 (bg)	0	18	76	No	23	95.65	n/a	n/a	0.05	NP
Mercury (mg/L)	DGWA-70A (bg)	0	25	76	No	23	91.3	n/a	n/a	0.05	NP
Mercury (mg/L)	DGWA-71 (bg)	0	58	76	No	23	60.87	n/a	n/a	0.05	NP
Molybdenum (mg/L)	**DGWA-53 (bg)**	**-0.001775**	**-98**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	DGWA-70A (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	DGWA-71 (bg)	0	22	76	No	23	95.65	n/a	n/a	0.05	NP
Selenium (mg/L)	DGWA-53 (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Selenium (mg/L)	DGWA-70A (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Selenium (mg/L)	DGWA-71 (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Thallium (mg/L)	DGWA-53 (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Thallium (mg/L)	DGWA-70A (bg)	0	15	76	No	23	91.3	n/a	n/a	0.05	NP
Thallium (mg/L)	DGWA-71 (bg)	0	22	76	No	23	95.65	n/a	n/a	0.05	NP

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Hollow symbols indicate censored values.



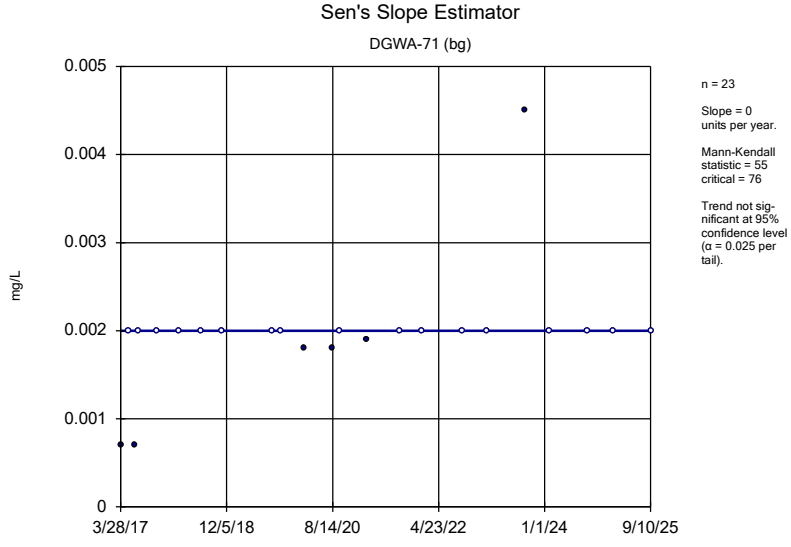
Constituent: Antimony Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.



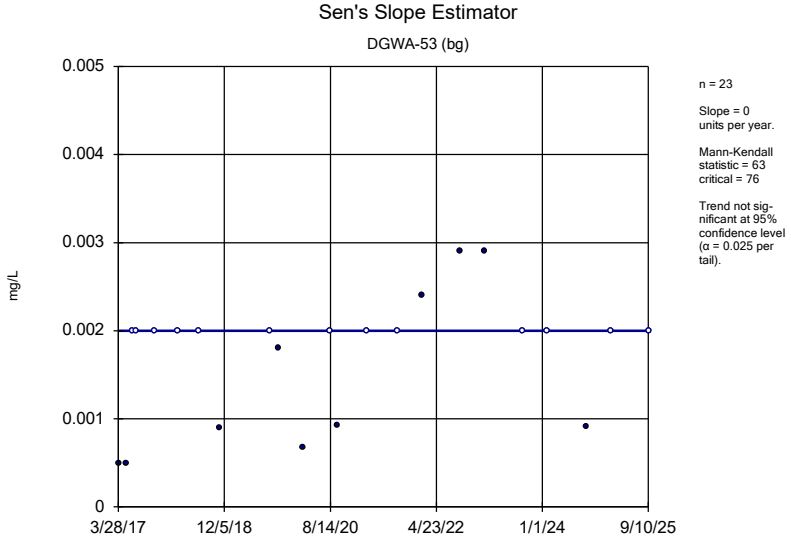
Constituent: Antimony Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Constituent: Antimony Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.

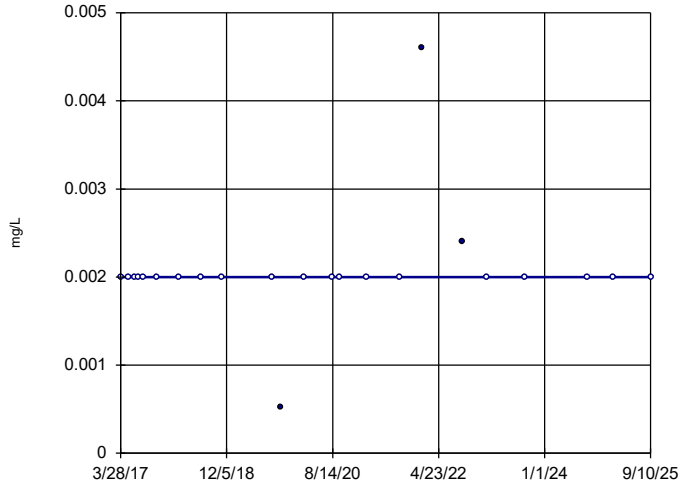


Constituent: Arsenic Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-70A (bg)



n = 23

Slope = 0
units per year.

Mann-Kendall
statistic = 21
critical = 76

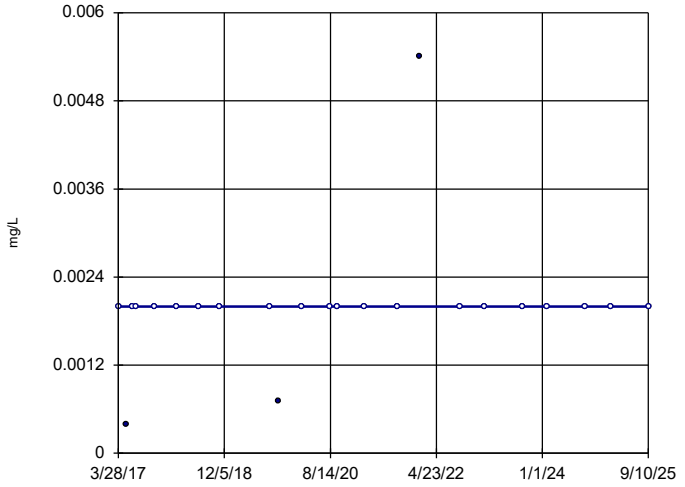
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Arsenic Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-71 (bg)



n = 23

Slope = 0
units per year.

Mann-Kendall
statistic = 31
critical = 76

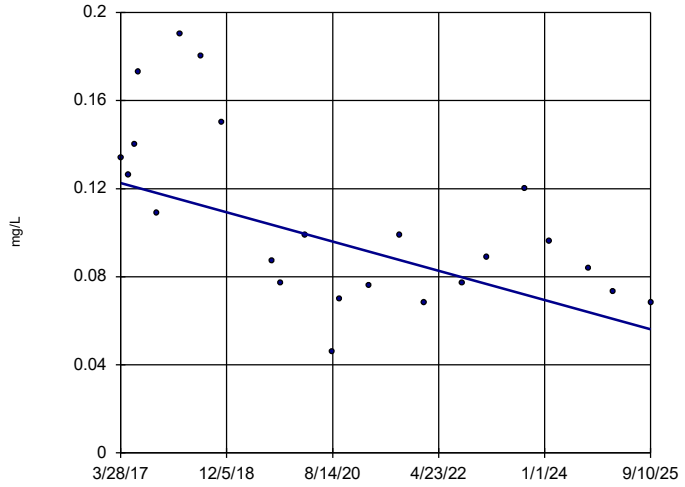
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Arsenic Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-53 (bg)



n = 23

Slope = -0.007857
units per year.

Mann-Kendall
statistic = -110
critical = -76

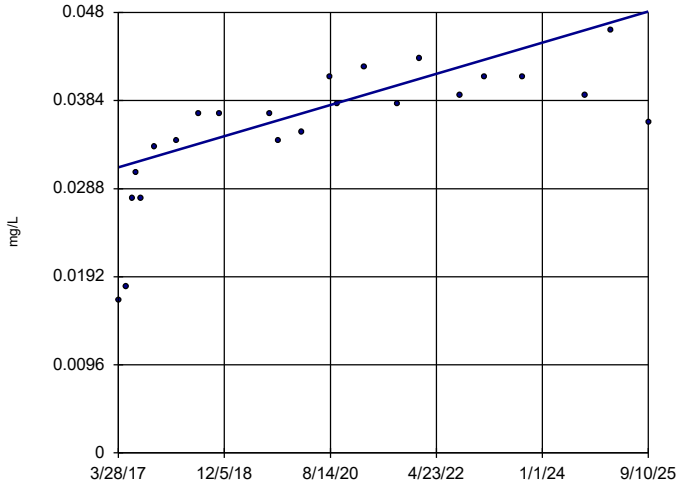
Decreasing trend
significant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Barium Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-70A (bg)



n = 23

Slope = 0.00201
units per year.

Mann-Kendall
statistic = 173
critical = 76

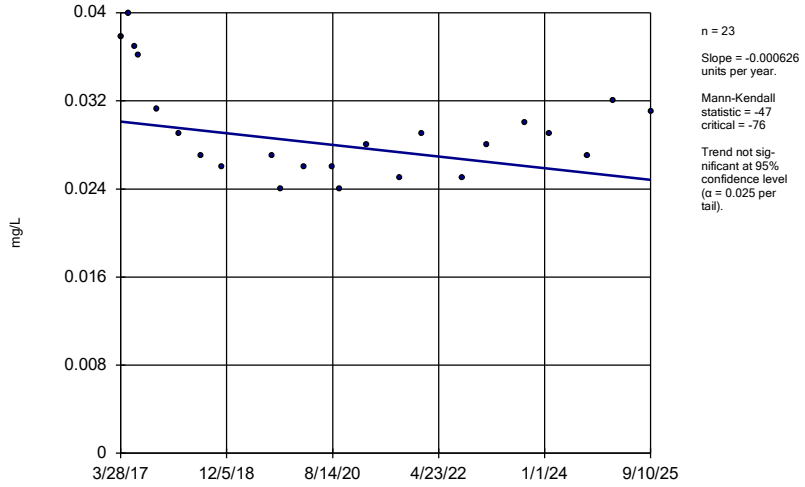
Increasing trend
significant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Barium Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-71 (bg)



n = 23

Slope = -0.000626 units per year.

Mann-Kendall statistic = -47
critical = -76

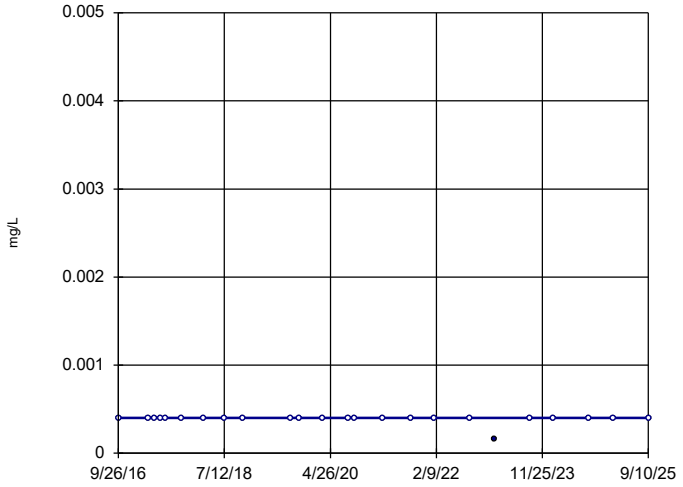
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-53 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -13
critical = -81

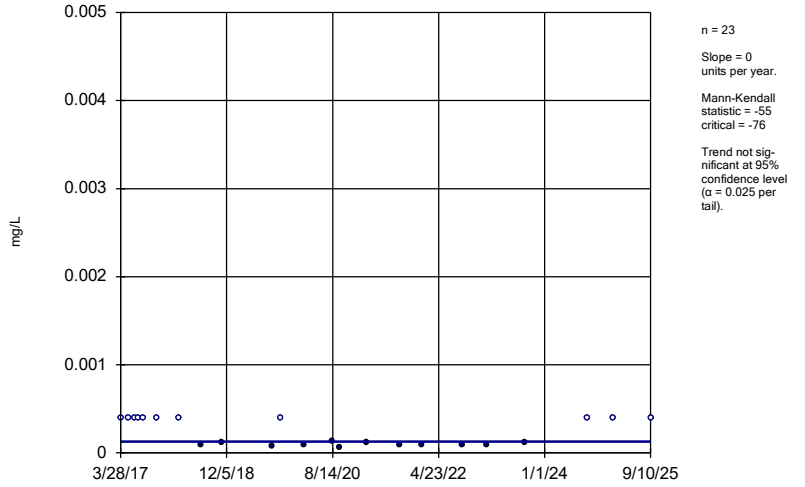
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-70A (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -55
critical = -76

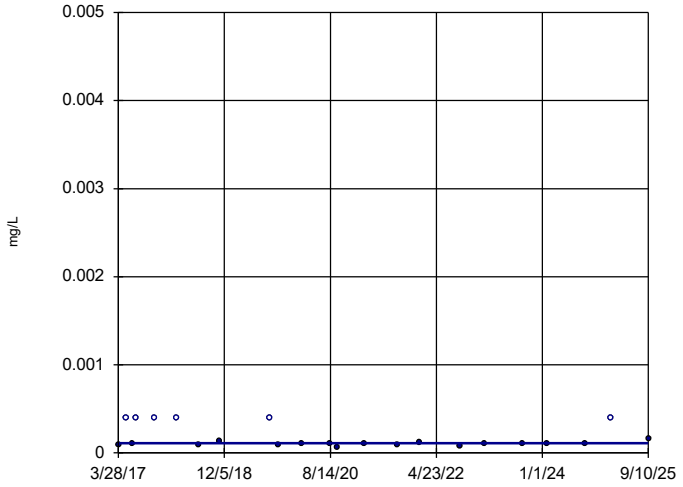
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-71 (bg)



n = 23

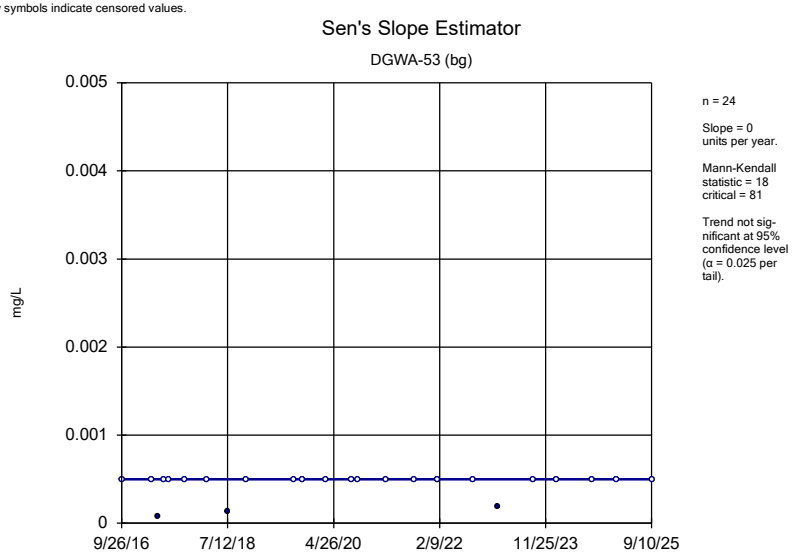
Slope = 0 units per year.

Mann-Kendall statistic = -20
critical = -76

Trend not significant at 95% confidence level (α = 0.025 per tail).

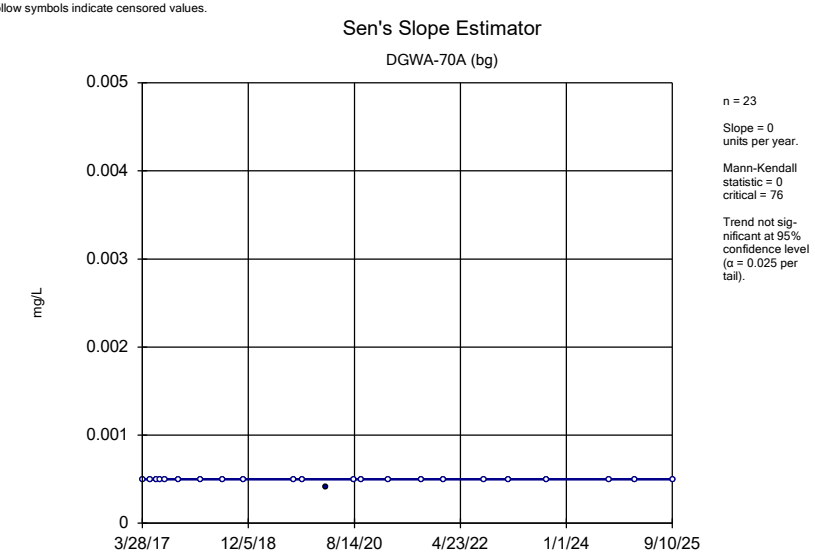
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Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.



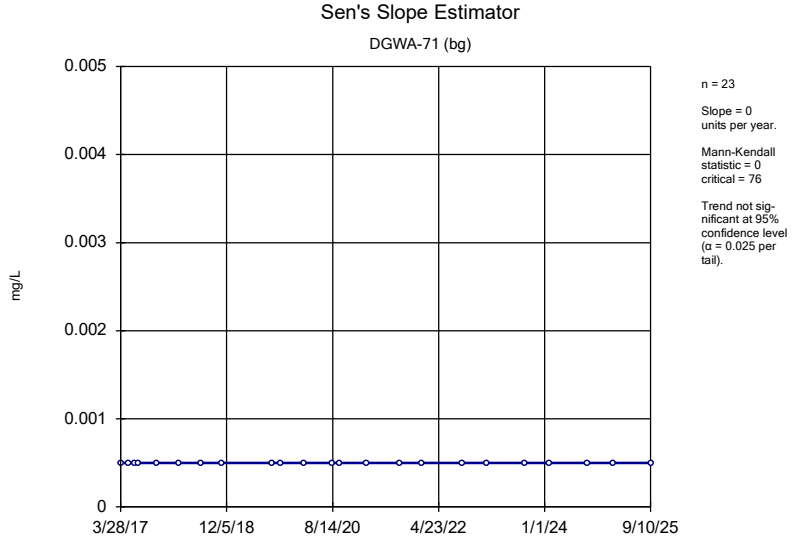
Constituent: Cadmium Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.



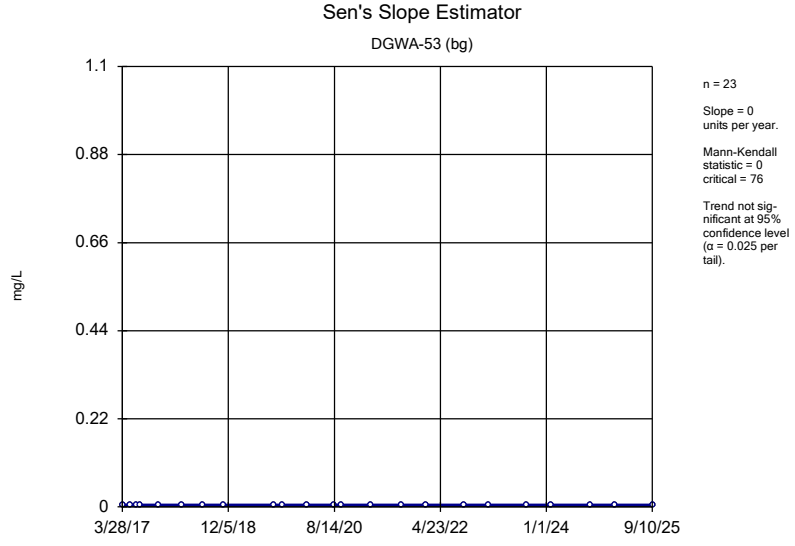
Constituent: Cadmium Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.



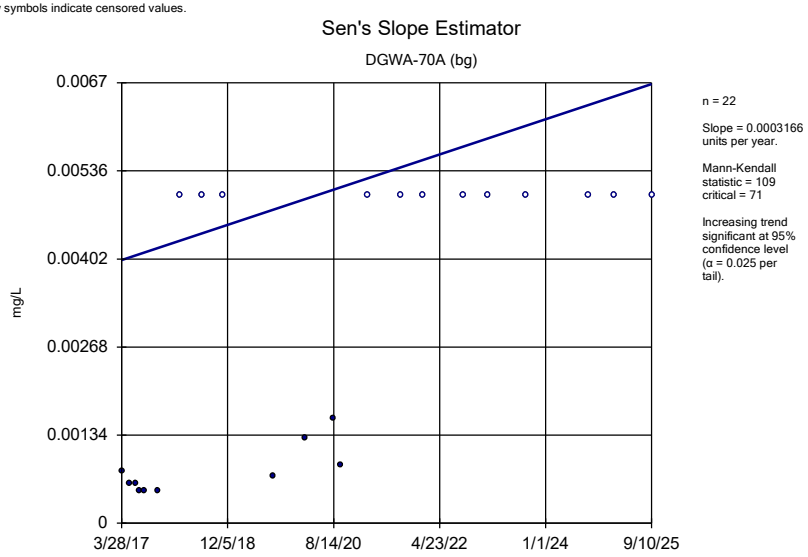
Constituent: Cadmium Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.



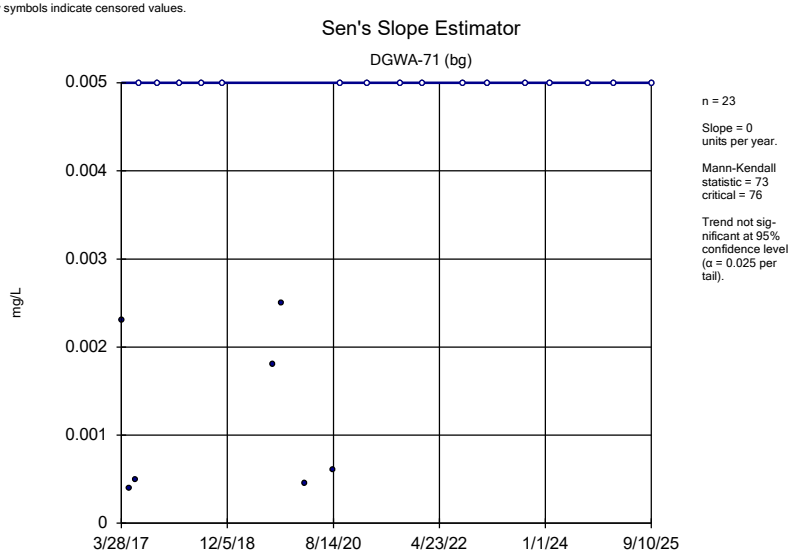
Constituent: Chromium Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.



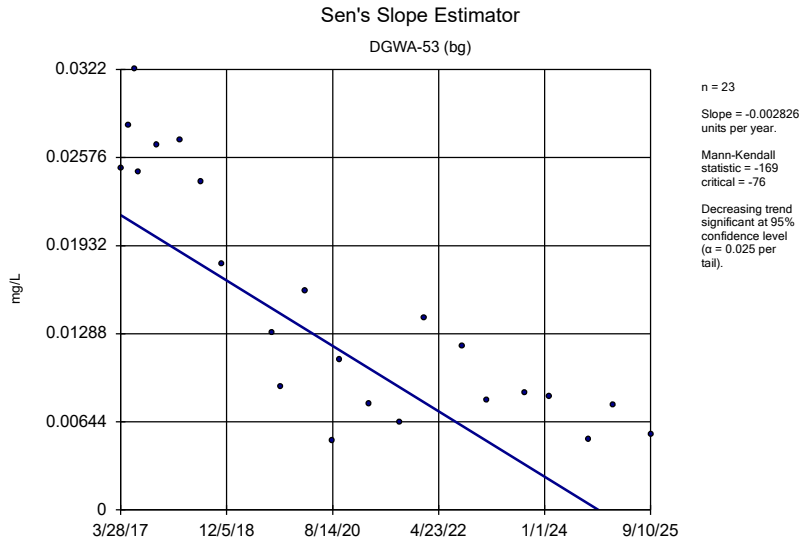
Constituent: Chromium Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



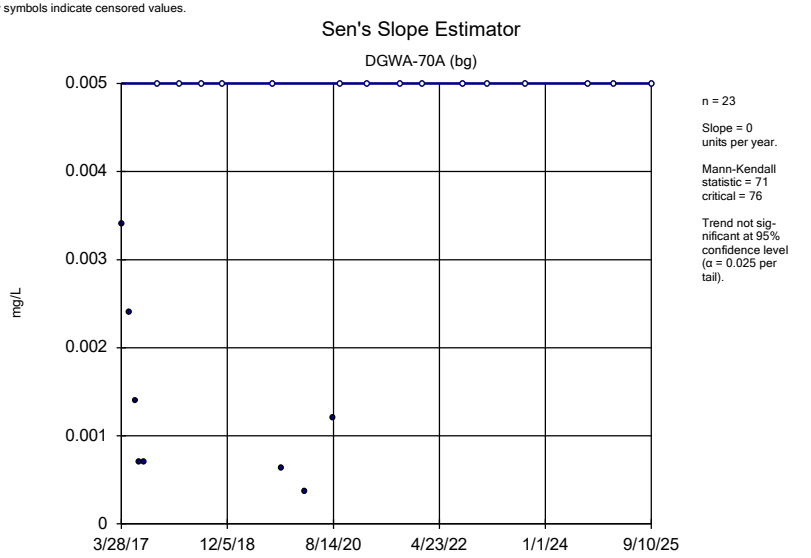
Constituent: Chromium Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG



Constituent: Cobalt Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

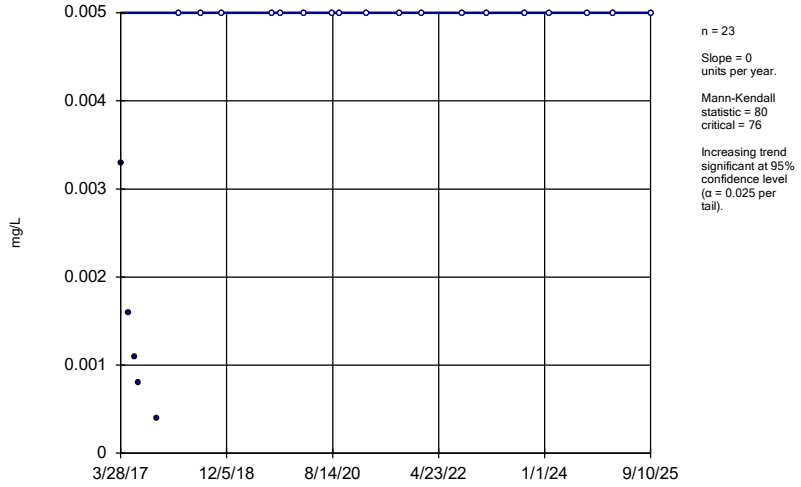


Constituent: Cobalt Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-71 (bg)



n = 23

Slope = 0
units per year.

Mann-Kendall
statistic = 80
critical = 76

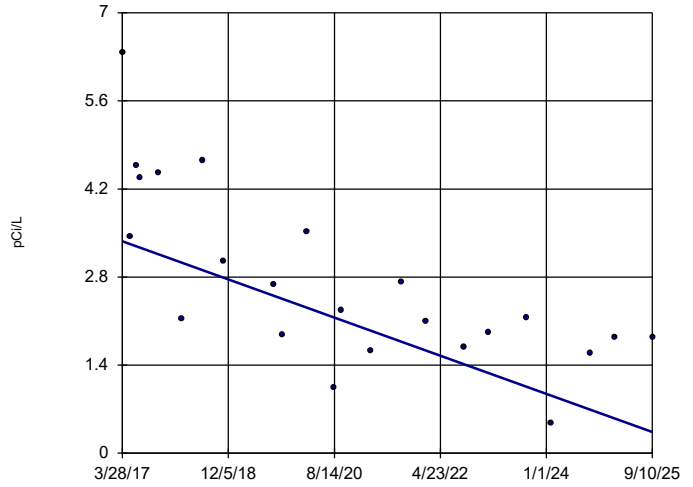
Increasing trend
significant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

DGWA-53 (bg)



n = 23

Slope = -0.3583
units per year.

Mann-Kendall
statistic = -143
critical = -76

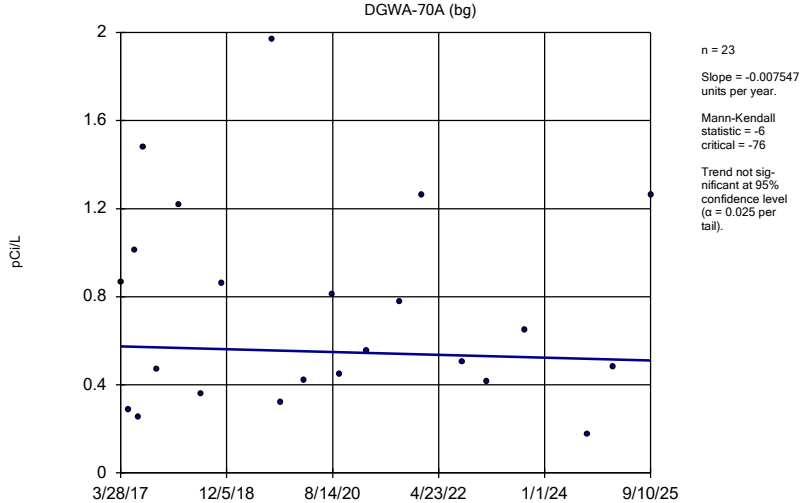
Decreasing trend
significant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Combined Radium 226 + 228 Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgra
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

DGWA-70A (bg)



n = 23

Slope = -0.007547
units per year.

Mann-Kendall
statistic = -6
critical = -76

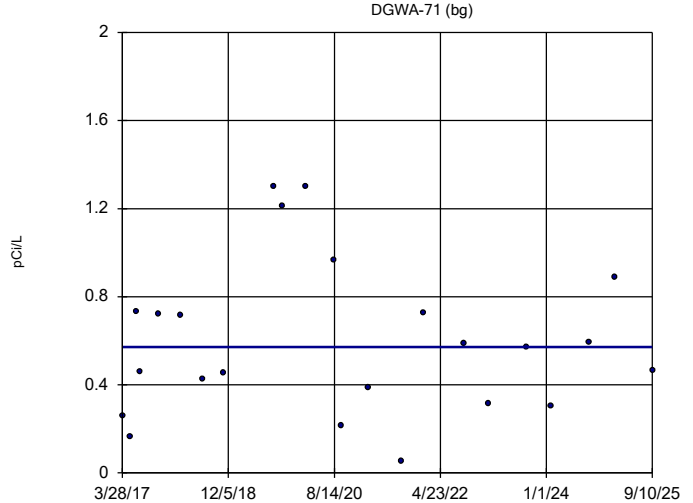
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Combined Radium 226 + 228 Analysis Run 11/19/2025 10:15 AM View: Appendix IV - Upgra
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

DGWA-71 (bg)



n = 23

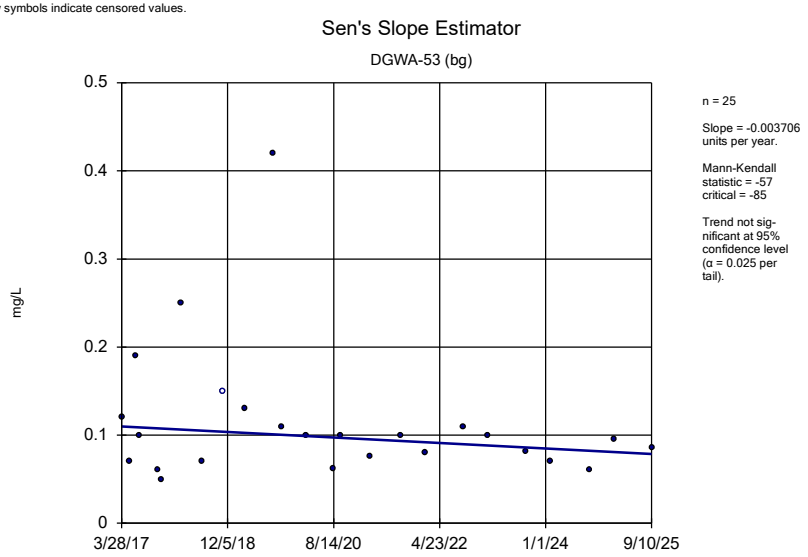
Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 76

Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

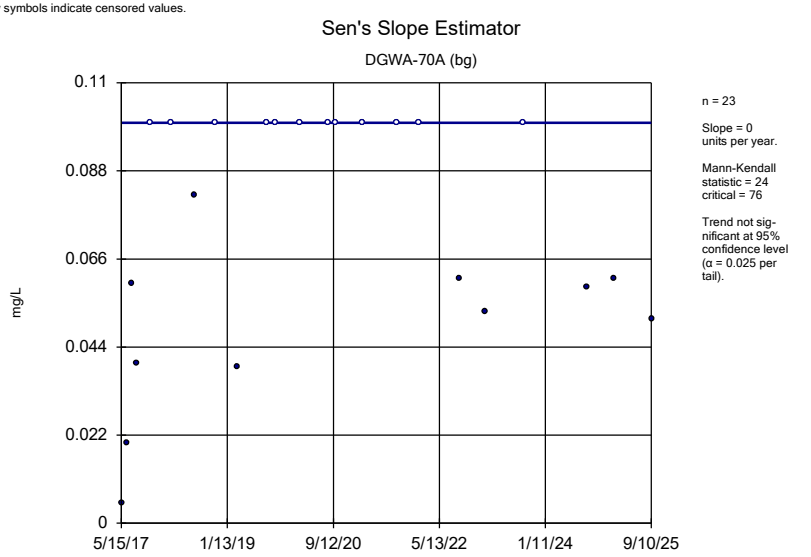
Constituent: Combined Radium 226 + 228 Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgra
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



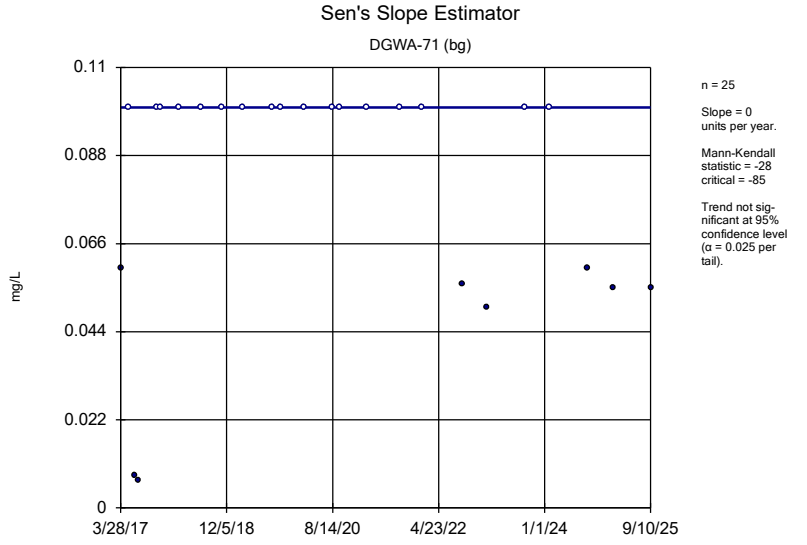
Constituent: Fluoride Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



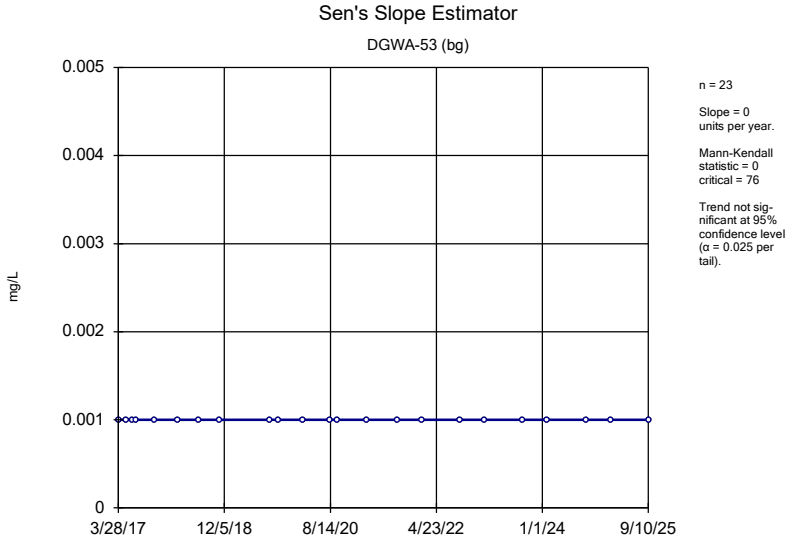
Constituent: Fluoride Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



Constituent: Fluoride Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

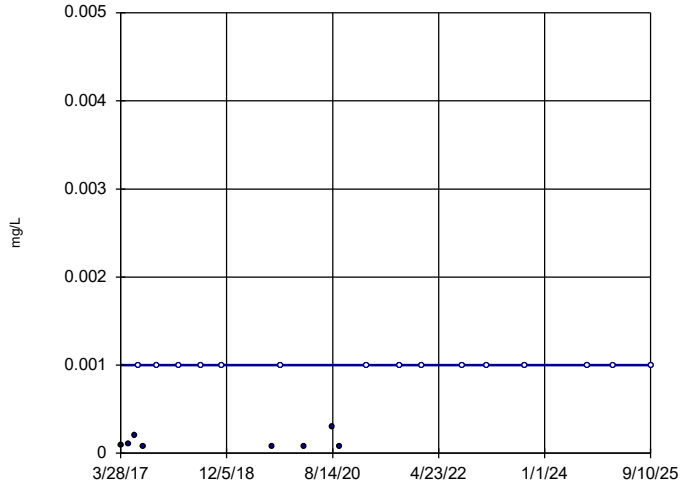


Constituent: Lead Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-70A (bg)



n = 23

Slope = 0
units per year.

Mann-Kendall
statistic = 71
critical = 76

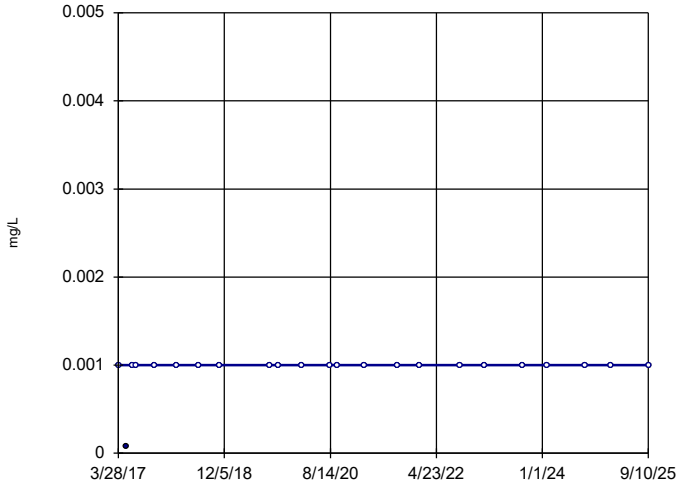
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Lead Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-71 (bg)



n = 23

Slope = 0
units per year.

Mann-Kendall
statistic = 20
critical = 76

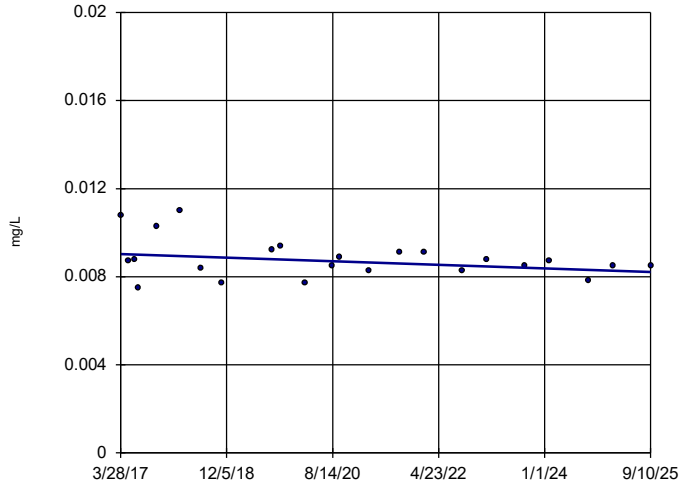
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Lead Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

DGWA-53 (bg)



n = 23

Slope = -0.0000955
units per year.

Mann-Kendall
statistic = -51
critical = -76

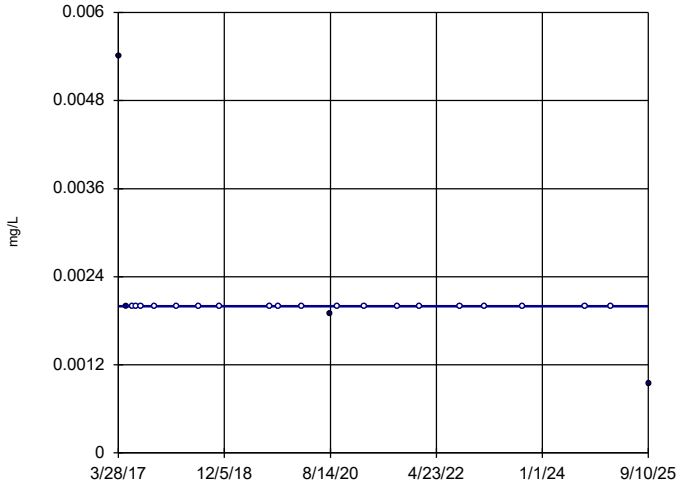
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Lithium Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-70A (bg)



n = 23

Slope = 0
units per year.

Mann-Kendall
statistic = -45
critical = -76

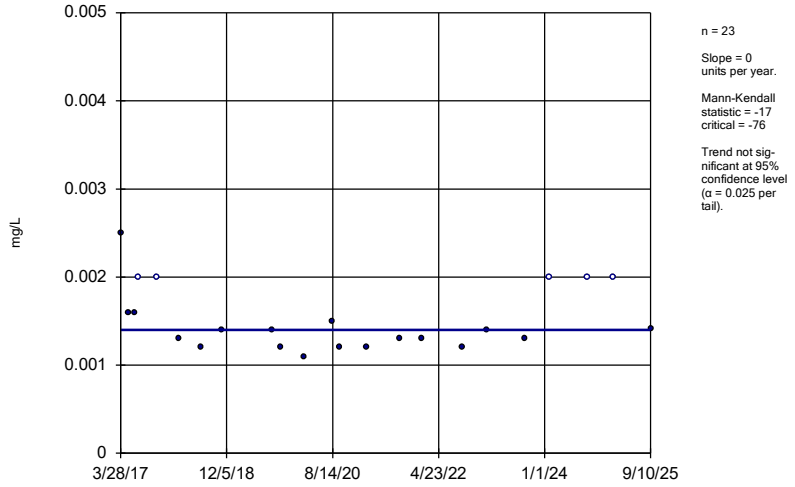
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Lithium Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-71 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -17 critical = -76

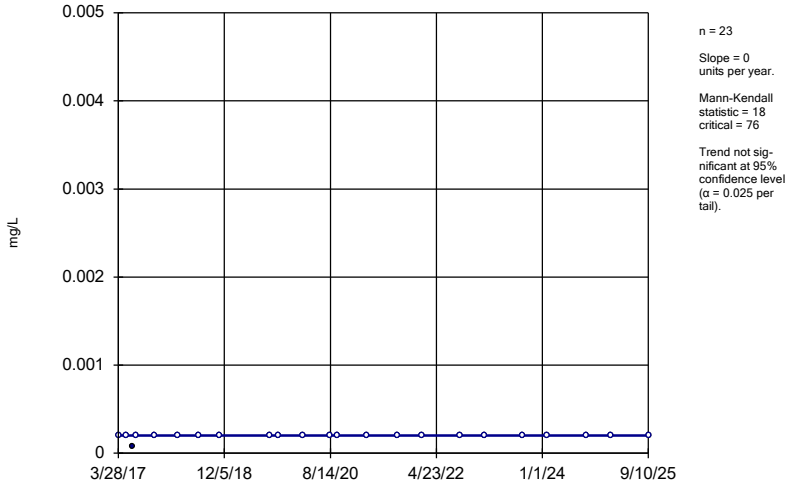
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-53 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 18 critical = 76

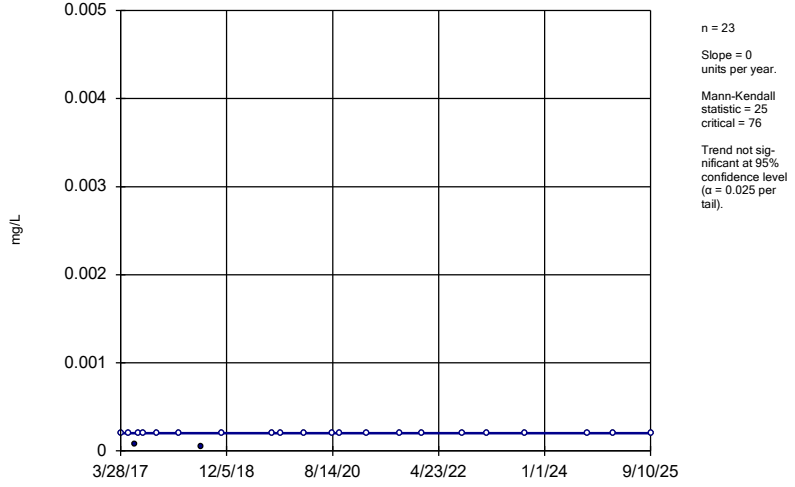
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Mercury Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-70A (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 25 critical = 76

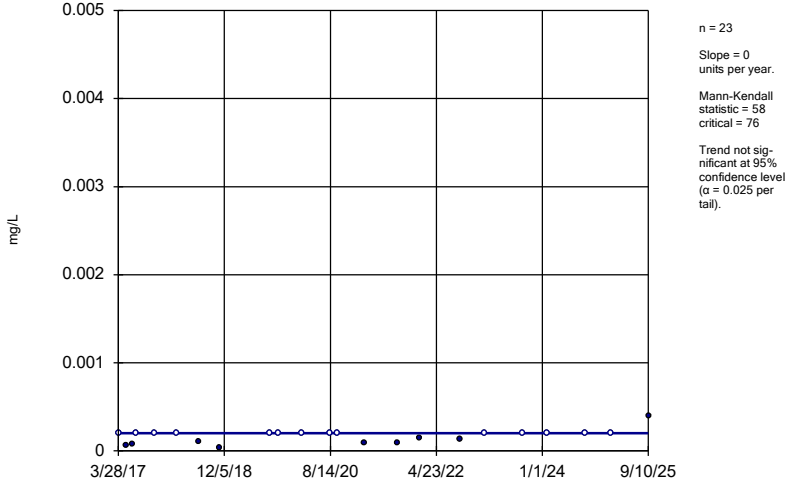
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Mercury Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-71 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 58 critical = 76

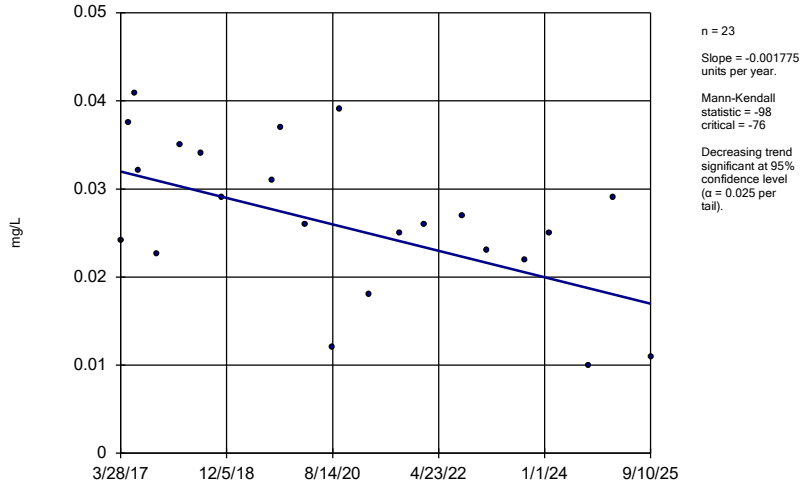
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Mercury Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-53 (bg)



n = 23

Slope = -0.001775 units per year.

Mann-Kendall statistic = -98 critical = -76

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testi

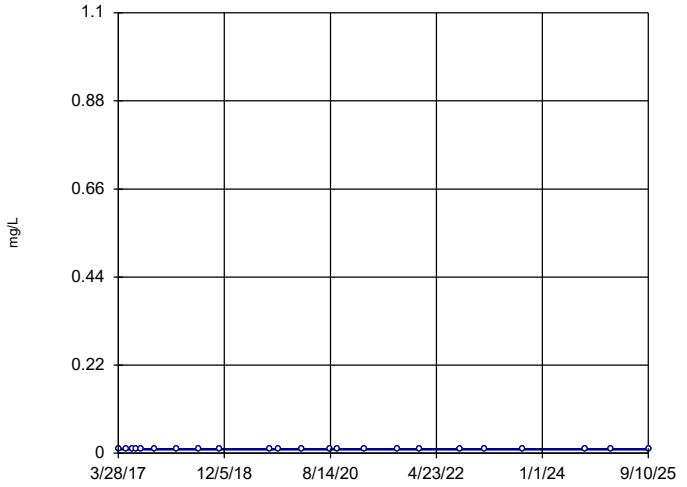
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-70A (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 76

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testi

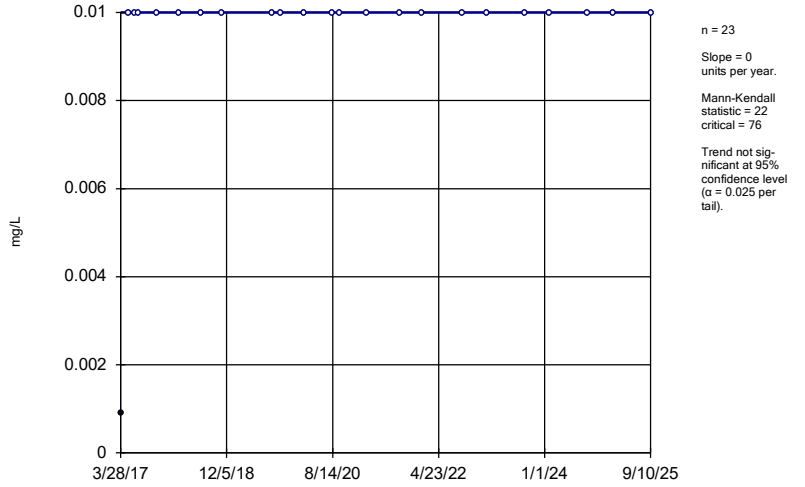
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-71 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 22 critical = 76

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testi

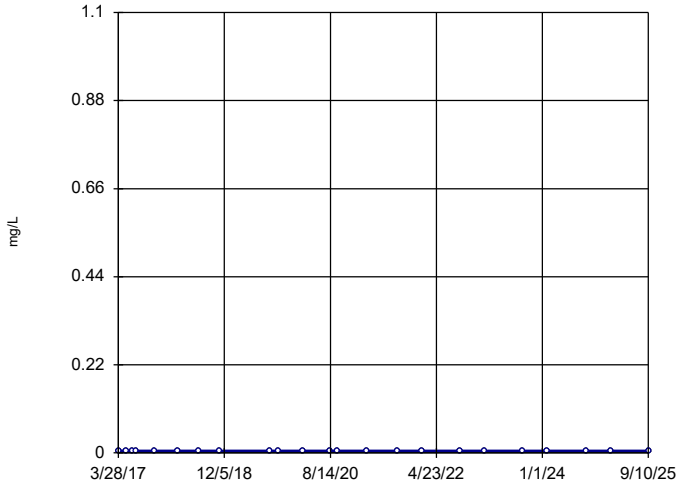
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-53 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 76

Trend not significant at 95% confidence level (α = 0.025 per tail).

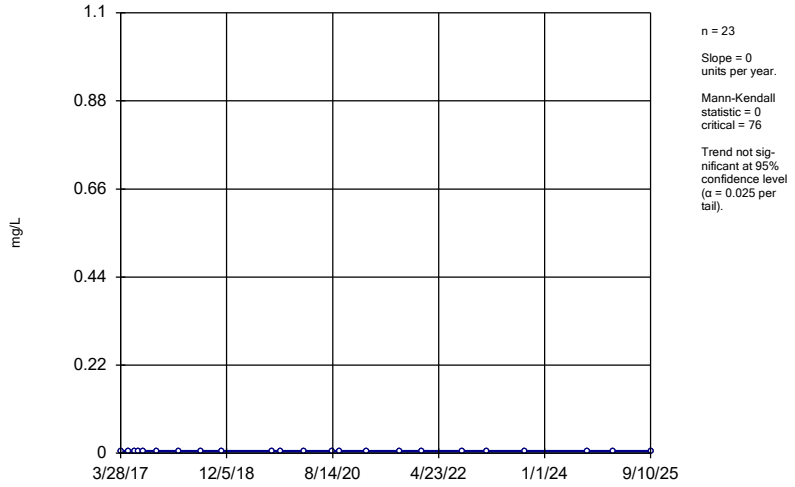
Constituent: Selenium Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing

Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-70A (bg)

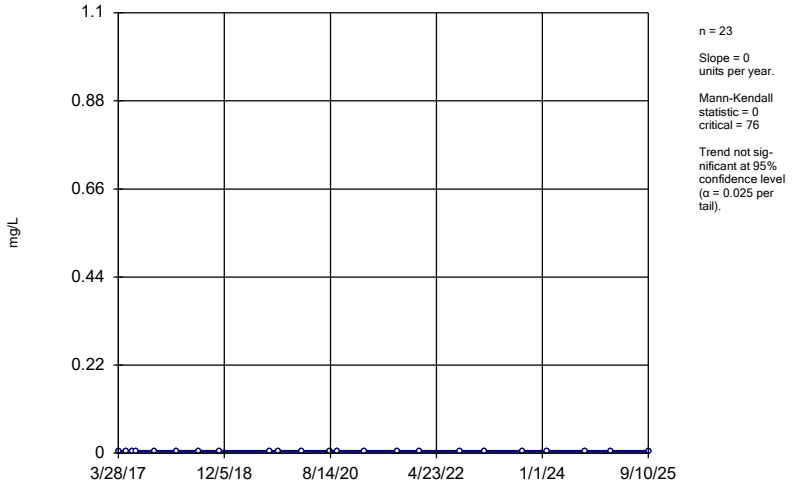


Constituent: Selenium Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-71 (bg)

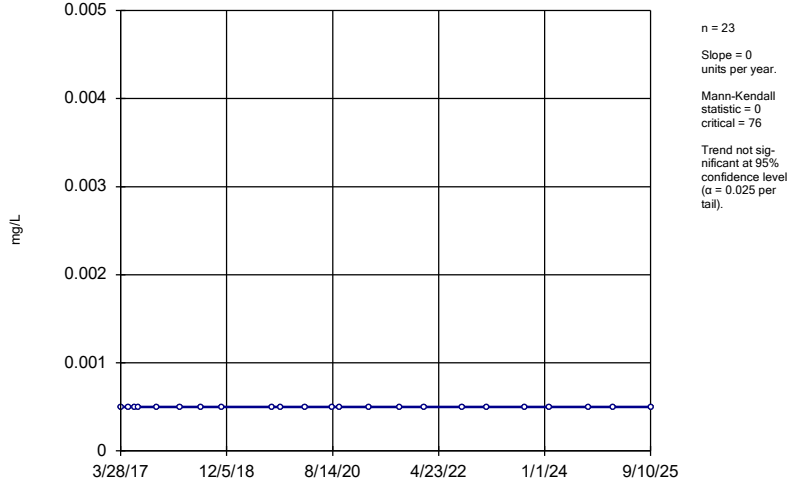


Constituent: Selenium Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-53 (bg)

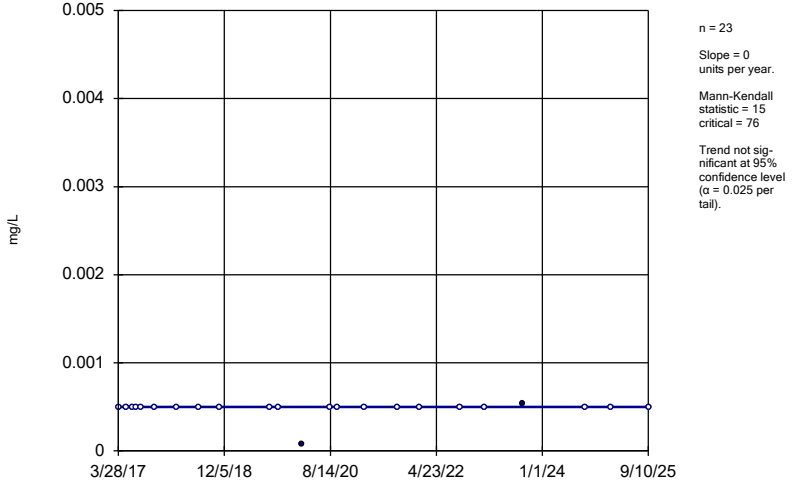


Constituent: Thallium Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

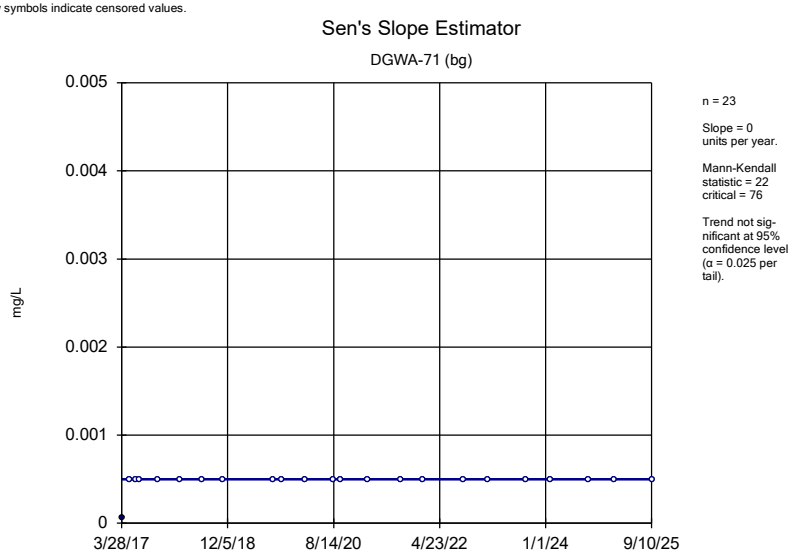
Sen's Slope Estimator

DGWA-70A (bg)



Constituent: Thallium Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



Constituent: Thallium Analysis Run 11/19/2025 10:16 AM View: Appendix IV - Upgradient Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Cobalt DGWA-53 Trend Tests - Truncated Record - All Results (No Significant)

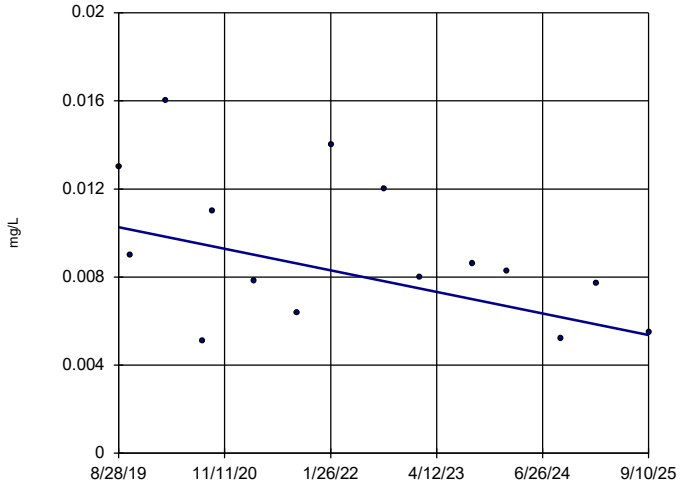
Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:43 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	DGWA-53 (bg)	-0.0008111	-37	-41	No	15	0	n/a	n/a	0.05	NP

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

DGWA-53 (bg)



n = 15

Slope = -0.0008111 units per year.

Mann-Kendall statistic = -37 critical = -41

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 11/19/2025 10:42 AM View: Truncated Record Trend Tests

Plant McDonough Client: Southern Company Data: McDonough AP-1

FIGURE E.

Interwell Prediction Limits - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:26 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Boron (mg/L)	DGWC-37	0.13	n/a	9/16/2025	1.5	Yes	66	24.24	n/a	0.0004392	NP Inter (normality) 1 of 2
Boron (mg/L)	DGWC-38	0.13	n/a	9/15/2025	2.9	Yes	66	24.24	n/a	0.0004392	NP Inter (normality) 1 of 2
Boron (mg/L)	DGWC-39	0.13	n/a	9/16/2025	3	Yes	66	24.24	n/a	0.0004392	NP Inter (normality) 1 of 2
Boron (mg/L)	DGWC-40	0.13	n/a	9/16/2025	0.61	Yes	66	24.24	n/a	0.0004392	NP Inter (normality) 1 of 2
Boron (mg/L)	DGWC-67	0.13	n/a	9/9/2025	4.4	Yes	66	24.24	n/a	0.0004392	NP Inter (normality) 1 of 2
Boron (mg/L)	DGWC-68A	0.13	n/a	9/9/2025	1.8	Yes	66	24.24	n/a	0.0004392	NP Inter (normality) 1 of 2
Boron (mg/L)	DGWC-69	0.13	n/a	9/16/2025	1.5	Yes	66	24.24	n/a	0.0004392	NP Inter (normality) 1 of 2
Boron (mg/L)	DGWC-121	0.13	n/a	9/16/2025	2.1	Yes	66	24.24	n/a	0.0004392	NP Inter (normality) 1 of 2
Calcium (mg/L)	DGWC-37	40.3	n/a	9/16/2025	52.2	Yes	66	0	n/a	0.0004392	NP Inter (normality) 1 of 2
Calcium (mg/L)	DGWC-38	40.3	n/a	9/15/2025	85.7	Yes	66	0	n/a	0.0004392	NP Inter (normality) 1 of 2
Calcium (mg/L)	DGWC-39	40.3	n/a	9/16/2025	97.8	Yes	66	0	n/a	0.0004392	NP Inter (normality) 1 of 2
Calcium (mg/L)	DGWC-67	40.3	n/a	9/9/2025	46.1	Yes	66	0	n/a	0.0004392	NP Inter (normality) 1 of 2
Calcium (mg/L)	DGWC-68A	40.3	n/a	9/9/2025	52.5	Yes	66	0	n/a	0.0004392	NP Inter (normality) 1 of 2
Calcium (mg/L)	DGWC-69	40.3	n/a	9/16/2025	44.4	Yes	66	0	n/a	0.0004392	NP Inter (normality) 1 of 2
Calcium (mg/L)	DGWC-121	40.3	n/a	9/16/2025	44.3	Yes	66	0	n/a	0.0004392	NP Inter (normality) 1 of 2
Chloride (mg/L)	DGWC-40	10.2	n/a	9/16/2025	13	Yes	68	0	n/a	0.0004125	NP Inter (normality) 1 of 2
Chloride (mg/L)	DGWC-67	10.2	n/a	9/9/2025	10.8	Yes	68	0	n/a	0.0004125	NP Inter (normality) 1 of 2
pH, Field (SU)	DGWC-40	6.69	5.4	9/16/2025	4.59	Yes	74	0	n/a	0.0007013	NP Inter (normality) 1 of 2
Sulfate (mg/L)	DGWC-37	49	n/a	9/16/2025	77.9	Yes	68	16.18	n/a	0.0004125	NP Inter (normality) 1 of 2
Sulfate (mg/L)	DGWC-38	49	n/a	9/15/2025	211	Yes	68	16.18	n/a	0.0004125	NP Inter (normality) 1 of 2
Sulfate (mg/L)	DGWC-39	49	n/a	9/16/2025	148	Yes	68	16.18	n/a	0.0004125	NP Inter (normality) 1 of 2
Sulfate (mg/L)	DGWC-40	49	n/a	9/16/2025	152	Yes	68	16.18	n/a	0.0004125	NP Inter (normality) 1 of 2
Sulfate (mg/L)	DGWC-67	49	n/a	9/9/2025	109	Yes	68	16.18	n/a	0.0004125	NP Inter (normality) 1 of 2
Sulfate (mg/L)	DGWC-69	49	n/a	9/16/2025	53.9	Yes	68	16.18	n/a	0.0004125	NP Inter (normality) 1 of 2
Sulfate (mg/L)	DGWC-121	49	n/a	9/16/2025	93.9	Yes	68	16.18	n/a	0.0004125	NP Inter (normality) 1 of 2
TDS (mg/L)	DGWC-37	223.4	n/a	9/16/2025	291	Yes	67	0	sqrt(x)	0.0009403	Param Inter 1 of 2
TDS (mg/L)	DGWC-38	223.4	n/a	9/15/2025	490	Yes	67	0	sqrt(x)	0.0009403	Param Inter 1 of 2
TDS (mg/L)	DGWC-39	223.4	n/a	9/16/2025	489	Yes	67	0	sqrt(x)	0.0009403	Param Inter 1 of 2
TDS (mg/L)	DGWC-40	223.4	n/a	9/16/2025	332	Yes	67	0	sqrt(x)	0.0009403	Param Inter 1 of 2
TDS (mg/L)	DGWC-67	223.4	n/a	9/9/2025	316	Yes	67	0	sqrt(x)	0.0009403	Param Inter 1 of 2
TDS (mg/L)	DGWC-68A	223.4	n/a	9/9/2025	272	Yes	67	0	sqrt(x)	0.0009403	Param Inter 1 of 2
TDS (mg/L)	DGWC-69	223.4	n/a	9/16/2025	274	Yes	67	0	sqrt(x)	0.0009403	Param Inter 1 of 2
TDS (mg/L)	DGWC-121	223.4	n/a	9/16/2025	262	Yes	67	0	sqrt(x)	0.0009403	Param Inter 1 of 2

Interwell Prediction Limits - All Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:26 AM

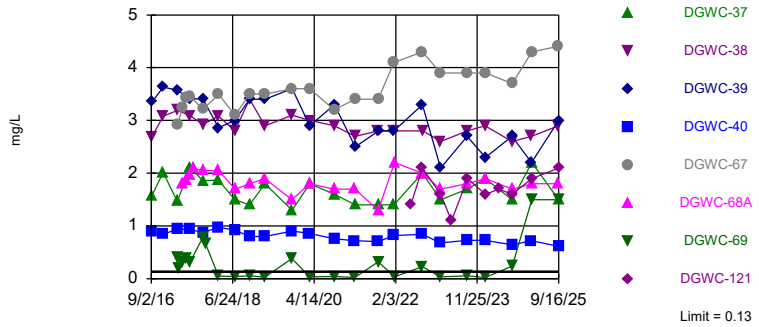
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Boron (mg/L)	**DGWC-37**	**0.13**	**n/a**	**9/16/2025**	**1.5**	**Yes**	**66**	**24.24**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**DGWC-38**	**0.13**	**n/a**	**9/15/2025**	**2.9**	**Yes**	**66**	**24.24**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**DGWC-39**	**0.13**	**n/a**	**9/16/2025**	**3**	**Yes**	**66**	**24.24**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**DGWC-40**	**0.13**	**n/a**	**9/16/2025**	**0.61**	**Yes**	**66**	**24.24**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**DGWC-67**	**0.13**	**n/a**	**9/9/2025**	**4.4**	**Yes**	**66**	**24.24**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**DGWC-68A**	**0.13**	**n/a**	**9/9/2025**	**1.8**	**Yes**	**66**	**24.24**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**DGWC-69**	**0.13**	**n/a**	**9/16/2025**	**1.5**	**Yes**	**66**	**24.24**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**DGWC-121**	**0.13**	**n/a**	**9/16/2025**	**2.1**	**Yes**	**66**	**24.24**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**DGWC-37**	**40.3**	**n/a**	**9/16/2025**	**52.2**	**Yes**	**66**	**0**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**DGWC-38**	**40.3**	**n/a**	**9/15/2025**	**85.7**	**Yes**	**66**	**0**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**DGWC-39**	**40.3**	**n/a**	**9/16/2025**	**97.8**	**Yes**	**66**	**0**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	DGWC-40	40.3	n/a	9/16/2025	39.2	No	66	0	n/a	0.0004392	NP Inter (normality) 1 of 2
Calcium (mg/L)	**DGWC-67**	**40.3**	**n/a**	**9/9/2025**	**46.1**	**Yes**	**66**	**0**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**DGWC-68A**	**40.3**	**n/a**	**9/9/2025**	**52.5**	**Yes**	**66**	**0**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**DGWC-69**	**40.3**	**n/a**	**9/16/2025**	**44.4**	**Yes**	**66**	**0**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**DGWC-121**	**40.3**	**n/a**	**9/16/2025**	**44.3**	**Yes**	**66**	**0**	**n/a**	**0.0004392**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	DGWC-37	10.2	n/a	9/16/2025	5.4	No	68	0	n/a	0.0004125	NP Inter (normality) 1 of 2
Chloride (mg/L)	DGWC-38	10.2	n/a	9/15/2025	8.9	No	68	0	n/a	0.0004125	NP Inter (normality) 1 of 2
Chloride (mg/L)	DGWC-39	10.2	n/a	9/16/2025	8.3	No	68	0	n/a	0.0004125	NP Inter (normality) 1 of 2
Chloride (mg/L)	**DGWC-40**	**10.2**	**n/a**	**9/16/2025**	**13**	**Yes**	**68**	**0**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**DGWC-67**	**10.2**	**n/a**	**9/9/2025**	**10.8**	**Yes**	**68**	**0**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	DGWC-68A	10.2	n/a	9/9/2025	4.5	No	68	0	n/a	0.0004125	NP Inter (normality) 1 of 2
Chloride (mg/L)	DGWC-69	10.2	n/a	9/16/2025	3.2	No	68	0	n/a	0.0004125	NP Inter (normality) 1 of 2
Chloride (mg/L)	DGWC-121	10.2	n/a	9/16/2025	5.2	No	68	0	n/a	0.0004125	NP Inter (normality) 1 of 2
Fluoride (mg/L)	DGWC-37	0.42	n/a	9/16/2025	0.061J	No	73	41.1	n/a	0.0003595	NP Inter (normality) 1 of 2
Fluoride (mg/L)	DGWC-38	0.42	n/a	9/15/2025	0.1	No	73	41.1	n/a	0.0003595	NP Inter (normality) 1 of 2
Fluoride (mg/L)	DGWC-39	0.42	n/a	9/16/2025	0.081J	No	73	41.1	n/a	0.0003595	NP Inter (normality) 1 of 2
Fluoride (mg/L)	DGWC-40	0.42	n/a	9/16/2025	0.1	No	73	41.1	n/a	0.0003595	NP Inter (normality) 1 of 2
Fluoride (mg/L)	DGWC-67	0.42	n/a	9/9/2025	0.067J	No	73	41.1	n/a	0.0003595	NP Inter (normality) 1 of 2
Fluoride (mg/L)	DGWC-68A	0.42	n/a	9/9/2025	0.099J	No	73	41.1	n/a	0.0003595	NP Inter (normality) 1 of 2
Fluoride (mg/L)	DGWC-69	0.42	n/a	9/16/2025	0.23	No	73	41.1	n/a	0.0003595	NP Inter (normality) 1 of 2
Fluoride (mg/L)	DGWC-121	0.42	n/a	9/16/2025	0.1ND	No	73	41.1	n/a	0.0003595	NP Inter (normality) 1 of 2
pH, Field (SU)	DGWC-37	6.69	5.4	9/16/2025	6.28	No	74	0	n/a	0.0007013	NP Inter (normality) 1 of 2
pH, Field (SU)	DGWC-38	6.69	5.4	9/15/2025	6.1	No	74	0	n/a	0.0007013	NP Inter (normality) 1 of 2
pH, Field (SU)	DGWC-39	6.69	5.4	9/16/2025	6.44	No	74	0	n/a	0.0007013	NP Inter (normality) 1 of 2
pH, Field (SU)	**DGWC-40**	**6.69**	**5.4**	**9/16/2025**	**4.59**	**Yes**	**74**	**0**	**n/a**	**0.0007013**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	DGWC-67	6.69	5.4	9/9/2025	6.19	No	74	0	n/a	0.0007013	NP Inter (normality) 1 of 2
pH, Field (SU)	DGWC-68A	6.69	5.4	9/9/2025	6.58	No	74	0	n/a	0.0007013	NP Inter (normality) 1 of 2
pH, Field (SU)	DGWC-69	6.69	5.4	9/16/2025	6.29	No	74	0	n/a	0.0007013	NP Inter (normality) 1 of 2
pH, Field (SU)	DGWC-121	6.69	5.4	9/16/2025	6.14	No	74	0	n/a	0.0007013	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**DGWC-37**	**49**	**n/a**	**9/16/2025**	**77.9**	**Yes**	**68**	**16.18**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**DGWC-38**	**49**	**n/a**	**9/15/2025**	**211**	**Yes**	**68**	**16.18**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**DGWC-39**	**49**	**n/a**	**9/16/2025**	**148**	**Yes**	**68**	**16.18**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**DGWC-40**	**49**	**n/a**	**9/16/2025**	**152**	**Yes**	**68**	**16.18**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**DGWC-67**	**49**	**n/a**	**9/9/2025**	**109**	**Yes**	**68**	**16.18**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	DGWC-68A	49	n/a	9/9/2025	33.4	No	68	16.18	n/a	0.0004125	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**DGWC-69**	**49**	**n/a**	**9/16/2025**	**53.9**	**Yes**	**68**	**16.18**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**DGWC-121**	**49**	**n/a**	**9/16/2025**	**93.9**	**Yes**	**68**	**16.18**	**n/a**	**0.0004125**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**DGWC-37**	**223.4**	**n/a**	**9/16/2025**	**291**	**Yes**	**67**	**0**	**sqrt(x)**	**0.0009403**	**Param Inter 1 of 2**
TDS (mg/L)	**DGWC-38**	**223.4**	**n/a**	**9/15/2025**	**490**	**Yes**	**67**	**0**	**sqrt(x)**	**0.0009403**	**Param Inter 1 of 2**
TDS (mg/L)	**DGWC-39**	**223.4**	**n/a**	**9/16/2025**	**489**	**Yes**	**67**	**0**	**sqrt(x)**	**0.0009403**	**Param Inter 1 of 2**
TDS (mg/L)	**DGWC-40**	**223.4**	**n/a**	**9/16/2025**	**332**	**Yes**	**67**	**0**	**sqrt(x)**	**0.0009403**	**Param Inter 1 of 2**
TDS (mg/L)	**DGWC-67**	**223.4**	**n/a**	**9/9/2025**	**316**	**Yes**	**67**	**0**	**sqrt(x)**	**0.0009403**	**Param Inter 1 of 2**
TDS (mg/L)	**DGWC-68A**	**223.4**	**n/a**	**9/9/2025**	**272**	**Yes**	**67**	**0**	**sqrt(x)**	**0.0009403**	**Param Inter 1 of 2**
TDS (mg/L)	**DGWC-69**	**223.4**	**n/a**	**9/16/2025**	**274**	**Yes**	**67**	**0**	**sqrt(x)**	**0.0009403**	**Param Inter 1 of 2**
TDS (mg/L)	**DGWC-121**	**223.4**	**n/a**	**9/16/2025**	**262**	**Yes**	**67**	**0**	**sqrt(x)**	**0.0009403**	**Param Inter 1 of 2**

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Exceeds Limit: DGWC-37, DGWC-38, DGWC-39, DGWC-40, DGWC-67, DGWC-68A, DGWC-69, DGWC-121

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 66 background values. 24.24% NDs. Annual per-constituent alpha = 0.007004. Individual comparison alpha = 0.0004392 (1 of 2). Comparing 8 points to limit.

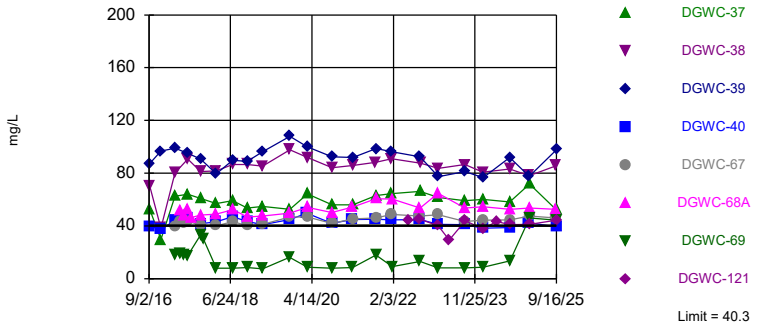
Constituent: Boron Analysis Run 11/19/2025 10:26 AM View: Appendix III - Interwell PLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Exceeds Limit: DGWC-37, DGWC-38, DGWC-39, DGWC-67, DGWC-68A, DGWC-69. DGWC-121

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 66 background values. Annual per-constituent alpha = 0.007004. Individual comparison alpha = 0.0004392 (1 of 2). Comparing 8 points to limit.

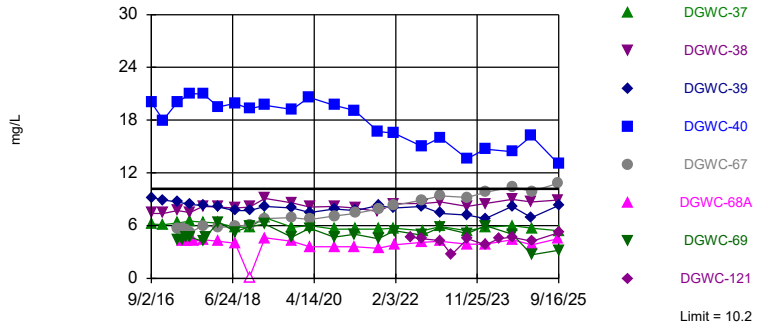
Constituent: Calcium Analysis Run 11/19/2025 10:26 AM View: Appendix III - Interwell PLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.

Exceeds Limit: DGWC-40, DGWC-67

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 68 background values. Annual per-constituent alpha = 0.00658. Individual comparison alpha = 0.0004125 (1 of 2). Comparing 8 points to limit.

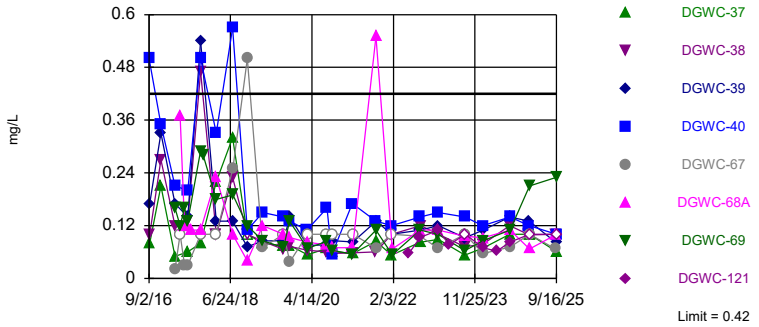
Constituent: Chloride Analysis Run 11/19/2025 10:26 AM View: Appendix III - Interwell PLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.

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 73 background values. 41.1% NDs. Annual per-constituent alpha = 0.005736. Individual comparison alpha = 0.0003595 (1 of 2). Comparing 8 points to limit.

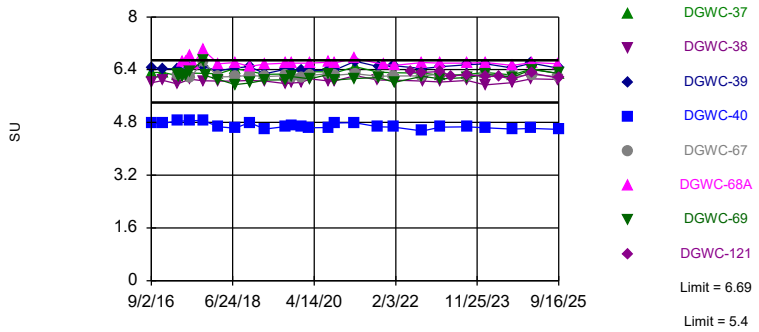
Constituent: Fluoride Analysis Run 11/19/2025 10:26 AM View: Appendix III - Interwell PLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Exceeds Limits: DGWC-40

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 74 background values. Annual per-constituent alpha = 0.01119. Individual comparison alpha = 0.0007013 (1 of 2). Comparing 8 points to limit.

Constituent: pH, Field Analysis Run 11/19/2025 10:26 AM View: Appendix III - Interwell PLs

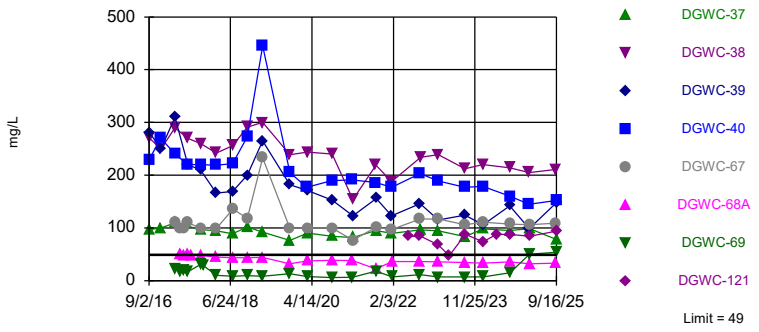
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Exceeds Limit: DGWC-37, DGWC-38, DGWC-39, DGWC-40, DGWC-67, DGWC-69. DGWC-121

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 68 background values. 16.18% NDs. Annual per-constituent alpha = 0.00658. Individual comparison alpha = 0.0004125 (1 of 2). Comparing 8 points to limit.

Constituent: Sulfate Analysis Run 11/19/2025 10:26 AM View: Appendix III - Interwell PLs

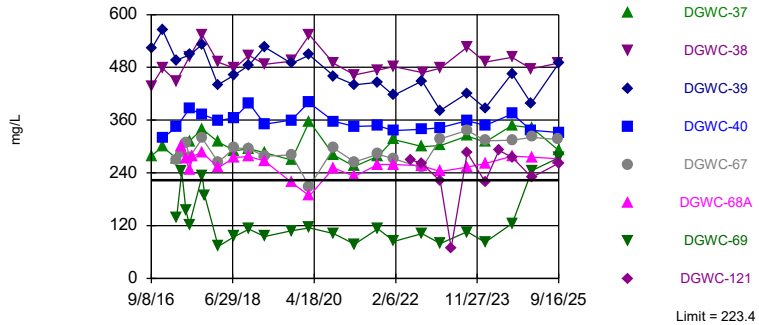
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Exceeds Limit: DGWC-37, DGWC-38, DGWC-39, DGWC-40, DGWC-67, DGWC-68A, DGWC-69, DGWC-121

Prediction Limit

Interwell Parametric



Background Data Summary (based on square root transformation): Mean=9.767, Std. Dev.=2.655, n=67. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9588, critical = 0.949. Kappa = 1.951 (c=7, w=8, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0009403. Comparing 8 points to limit.

Constituent: TDS Analysis Run 11/19/2025 10:26 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-40	DGWC-37	DGWC-38	DGWC-39	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-69	DGWC-67
9/2/2016	0.895								
9/8/2016		1.58	2.69	3.35					
9/26/2016					0.0607 (J)				
12/7/2016		2.01	3.08	3.63					
12/8/2016	0.841								
3/28/2017					0.0612	0.0067 (J)	0.0097 (J)		
3/30/2017	0.937	1.47	3.19	3.57					
3/31/2017								0.407	2.91
4/12/2017								0.207	
5/11/2017					0.0805				
5/12/2017							0.0082 (J)	0.311	3.24
5/15/2017						0.0073 (J)			
6/15/2017					0.0725	<0.04			
6/16/2017							0.0085 (J)	0.381	3.42
7/11/2017						<0.04	0.0077 (J)		
7/12/2017					0.0735				
7/13/2017	0.933	2.1	3.09	3.41				0.323	3.46
8/8/2017						<0.04			
10/24/2017					0.077	0.0082 (J)	0.0083 (J)		
10/26/2017	0.873	1.86	2.92	3.41				0.779	3.21
11/15/2017								0.667	
2/27/2018						0.0062 (J)	0.0069 (J)		
3/1/2018		1.87	3.08	2.86					
3/2/2018	0.974							0.0478	3.49
3/8/2018					0.13 (J)				
7/10/2018						0.0077 (J)	0.0059 (J)		
7/12/2018	0.92	1.5	2.8	3	0.076				
7/13/2018								0.043	3.1
11/6/2018						0.0065 (J)	0.0067 (J)		
11/7/2018					0.073				
11/8/2018	0.8	1.4	3.4	3.4				0.054	3.5
3/12/2019						0.0073 (J)	0.0068 (J)		
3/13/2019	0.8	1.8	2.9	3.4	0.08			0.028 (J)	3.5
10/15/2019						<0.04	0.0054 (J)		
10/16/2019					0.059			0.38	
10/17/2019									3.6
10/18/2019	0.9	1.3	3.1	3.6					
3/2/2020						0.0055 (J)	0.01 (J)		
3/4/2020	0.86								
3/9/2020		1.8	3	2.9	0.08 (J)			0.035 (J)	3.6
9/22/2020					0.056 (J)	<0.04	<0.04		
9/23/2020	0.76							0.041 (J)	3.2
9/24/2020		1.6	2.9						
9/25/2020				3.3					
3/1/2021						<0.04	0.0054 (J)		
3/8/2021	0.72								
3/10/2021								0.024 (J)	
3/11/2021		1.4	2.7	2.5					3.4
3/12/2021					0.064				
9/8/2021							<0.04		
9/9/2021					0.065	<0.04			
9/14/2021	0.7								

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-40	DGWC-37	DGWC-38	DGWC-39	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-69	DGWC-67
9/15/2021			2.8						
9/16/2021		1.4						0.32	3.4
9/17/2021				2.8					
1/18/2022						0.024 (J)	0.015 (J)		
1/19/2022	0.82								4.1
1/20/2022				2.8					
1/21/2022		1.4	2.8						
1/25/2022								0.035 (J)	
1/28/2022					0.062				
6/6/2022									
9/7/2022	0.84			3.3		<0.04	<0.04	0.23	
9/8/2022					0.054				4.3
9/9/2022		2							
9/12/2022			2.8						
1/31/2023						0.011 (J)	0.0097 (J)		
2/1/2023	0.68				0.051			0.035 (J)	
2/2/2023		1.5	2.6						3.9
2/3/2023				2.1					
5/2/2023									
9/6/2023		1.7				0.012 (J)	0.015 (J)		
9/7/2023	0.73		2.8	2.7	0.052			0.052	3.9
9/8/2023									
1/30/2024	0.73		2.9		0.065		0.015 (J)		
1/31/2024		1.9		2.3				0.025 (J)	
2/1/2024									3.9
5/20/2024									
9/4/2024		1.5	2.6	2.7		<0.04	<0.04		
9/5/2024	0.64							0.24	3.7
9/11/2024					0.042				
2/4/2025					<0.04		<0.5 (oX)		
2/6/2025						<0.04			
2/7/2025	0.72		2.7	2.2					
2/10/2025		2.2						1.5	4.3
9/9/2025									4.4
9/10/2025					0.048	<0.04	0.009 (J)		
9/15/2025			2.9						
9/16/2025	0.61	1.5		3				1.5	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-68A	DGWC-121
9/2/2016		
9/8/2016		
9/26/2016		
12/7/2016		
12/8/2016		
3/28/2017		
3/30/2017		
3/31/2017		
4/12/2017		
5/11/2017		
5/12/2017	1.8	
5/15/2017		
6/15/2017		
6/16/2017	1.88	
7/11/2017		
7/12/2017		
7/13/2017	1.97	
8/8/2017	2.1	
10/24/2017		
10/26/2017	2.05	
11/15/2017		
2/27/2018		
3/1/2018		
3/2/2018	2.05	
3/8/2018		
7/10/2018		
7/12/2018		
7/13/2018	1.7	
11/6/2018		
11/7/2018		
11/8/2018	1.8	
3/12/2019		
3/13/2019	1.9	
10/15/2019		
10/16/2019	1.5	
10/17/2019		
10/18/2019		
3/2/2020		
3/4/2020		
3/9/2020	1.8	
9/22/2020		
9/23/2020	1.7	
9/24/2020		
9/25/2020		
3/1/2021		
3/8/2021		
3/10/2021	1.7	
3/11/2021		
3/12/2021		
9/8/2021		
9/9/2021		
9/14/2021		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-68A	DGWC-121
9/15/2021		
9/16/2021	1.3	
9/17/2021		
1/18/2022		
1/19/2022		
1/20/2022		
1/21/2022		
1/25/2022	2.2	
1/28/2022		
6/6/2022		1.4
9/7/2022	2	
9/8/2022		2.1
9/9/2022		
9/12/2022		
1/31/2023		
2/1/2023	1.7	
2/2/2023		1.6
2/3/2023		
5/2/2023		1.1
9/6/2023		
9/7/2023	1.8	
9/8/2023		1.9
1/30/2024		
1/31/2024	1.9	1.6
2/1/2024		
5/20/2024		1.7
9/4/2024		1.6
9/5/2024	1.7	
9/11/2024		
2/4/2025		
2/6/2025		
2/7/2025		
2/10/2025	1.8	1.9
9/9/2025	1.8	
9/10/2025		
9/15/2025		
9/16/2025		2.1

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-40	DGWC-37	DGWC-38	DGWC-39	DGWA-71 (bg)	DGWA-70A (bg)	DGWA-53 (bg)	DGWC-69	DGWC-67
9/2/2016	39.6								
9/8/2016		52.5	70.3	87.2					
12/7/2016		29.7	38.4	96.7					
12/8/2016	37.9								
3/28/2017					8.31	5.14	30.8		
3/30/2017	43.9	62.6	80.3	98.9					
3/31/2017								18.6 (J)	39.9
5/11/2017							35.8		
5/12/2017					8.04			18.9 (J)	43.6
5/15/2017						6.5			
6/15/2017						5.38	36		
6/16/2017					7.66			17.7	42.5
7/11/2017					7.71	5.96			
7/12/2017							40.3		
7/13/2017	46.2	64.1	90.8	95				17.6	43.7
8/8/2017						5.2			
10/24/2017					6.86	4.93	30.3		
10/26/2017	41.8	60.8	81.3	90.6				33.3	40.4
11/15/2017								30.6	
2/27/2018					6.1	5.6			
3/1/2018		57	81.8	79.6					
3/2/2018	43.2							8.09	40.1
3/8/2018							39.8		
7/10/2018					5.7	5			
7/12/2018	47.1	59.1	86.7	89.8			34.7		
7/13/2018								7.9	43.3
11/6/2018					5.7	5.5			
11/7/2018							28.6		
11/8/2018	43.5	53.6	86.6	89				8.5	40.1
3/12/2019					5.5	5.1			
3/13/2019	41	54.8	85.3	96.3			26.7	7.6	41.2
10/15/2019					5.1	5.1			
10/16/2019							17.7	16.2	
10/17/2019									46.9
10/18/2019	44.9	52.5	97.8	108					
3/2/2020					5.8	5.3			
3/4/2020	49.6								
3/9/2020		64.2	91.9	100			23.7	8.6	46.9
9/22/2020					5.4	5	15.5		
9/23/2020	41.9							8	42
9/24/2020		55.9	84.1						
9/25/2020				92.5					
3/1/2021					5.9	4.1			
3/8/2021	44.9								
3/10/2021								8.5	
3/11/2021		56	85.8	91.9					45.4
3/12/2021							18.4		
9/8/2021					6.1				
9/9/2021						5.3	18.3		
9/14/2021	45.1								
9/15/2021			88.3						
9/16/2021		63						18	46

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-40	DGWC-37	DGWC-38	DGWC-39	DGWA-71 (bg)	DGWA-70A (bg)	DGWA-53 (bg)	DGWC-69	DGWC-67
9/17/2021				98.6					
1/18/2022					6.6	6.1			
1/19/2022	44.7								48.8
1/20/2022				96.2					
1/21/2022		64.4	91						
1/25/2022								9.2	
1/28/2022							19.5		
6/6/2022									
9/7/2022	44.8			92.5	6.4	5.9		13.1	
9/8/2022							17.2		47.4
9/9/2022		66.2							
9/12/2022			87.6						
1/31/2023					5.7	6.2			
2/1/2023	41.1						14.1	8.3	
2/2/2023		61.7	83.6						48.6
2/3/2023				77.4					
5/2/2023									
9/6/2023		59.1			7	6.6			
9/7/2023	41		86.5	81.2			16.3	8.1	43.3
9/8/2023									
1/30/2024	38.2		80.8		6.1		13.7		
1/31/2024		60.1		76.6				8.8	
2/1/2024									44.4
5/20/2024									
9/4/2024		58.1	83.2	92	6.5	6.3			
9/5/2024	38.8							13.6	44.6
9/11/2024							10.6		
2/4/2025					7.6 (J)		13.7		
2/6/2025						7.3 (J)			
2/7/2025	42.5		78.2 (M1)	77.7					
2/10/2025		71.7						46	47.5
9/9/2025									46.1
9/10/2025					7.3	5.9	10.7		
9/15/2025			85.7						
9/16/2025	39.2	52.2		97.8				44.4	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-68A	DGWC-121
9/2/2016		
9/8/2016		
12/7/2016		
12/8/2016		
3/28/2017		
3/30/2017		
3/31/2017		
5/11/2017		
5/12/2017	51.7	
5/15/2017		
6/15/2017		
6/16/2017	47.9	
7/11/2017		
7/12/2017		
7/13/2017	52.3	
8/8/2017	46.3	
10/24/2017		
10/26/2017	48.2	
11/15/2017		
2/27/2018		
3/1/2018		
3/2/2018	48.9	
3/8/2018		
7/10/2018		
7/12/2018		
7/13/2018	52.4	
11/6/2018		
11/7/2018		
11/8/2018	46.8	
3/12/2019		
3/13/2019	47.5	
10/15/2019		
10/16/2019	49.7	
10/17/2019		
10/18/2019		
3/2/2020		
3/4/2020		
3/9/2020	54	
9/22/2020		
9/23/2020	50.2	
9/24/2020		
9/25/2020		
3/1/2021		
3/8/2021		
3/10/2021	54.2	
3/11/2021		
3/12/2021		
9/8/2021		
9/9/2021		
9/14/2021		
9/15/2021		
9/16/2021	60.6	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-68A	DGWC-121
9/17/2021		
1/18/2022		
1/19/2022		
1/20/2022		
1/21/2022		
1/25/2022	60.4	
1/28/2022		
6/6/2022		44.1
9/7/2022	53.5	
9/8/2022		45
9/9/2022		
9/12/2022		
1/31/2023		
2/1/2023	64.8	
2/2/2023		40.1
2/3/2023		
5/2/2023		29.4
9/6/2023		
9/7/2023	53.6	
9/8/2023		43.9
1/30/2024		
1/31/2024	54.6	37.8
2/1/2024		
5/20/2024		43.4
9/4/2024		41
9/5/2024	52.7	
9/11/2024		
2/4/2025		
2/6/2025		
2/7/2025		
2/10/2025	53.6	41.2
9/9/2025	52.5	
9/10/2025		
9/15/2025		
9/16/2025		44.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-40	DGWC-37	DGWC-39	DGWC-38	DGWA-70A (bg)	DGWA-53 (bg)	DGWA-71 (bg)	DGWC-67	DGWC-69
9/2/2016	20								
9/8/2016		6.2	9.2	7.4					
12/7/2016		6.1	8.9	7.4					
12/8/2016	18								
3/28/2017					3.8	3.7	3.6		
3/30/2017	20	6.3	8.7	7.7					
3/31/2017								5.7	4.4
5/11/2017						2.3			
5/12/2017							3.8	5.6	4.4
5/15/2017					2.2				
6/15/2017					2	2.6			
6/16/2017							3.4	5.5	4.7
7/11/2017					2.1		3.1		
7/12/2017						2.3			
7/13/2017	21	6.5	8.4	7.5				5.2	4.7
8/8/2017					2.2				
10/24/2017					2.4	2.7	3.2		
10/26/2017	21	6.4	8.3	8.2				6	4.2
11/15/2017						2.2	3.1		4.7
2/27/2018					2.5		3.2		
3/1/2018		6.3	8.1	8.1					
3/2/2018	19.5							5.8	6.4
3/8/2018						2.4			
7/10/2018					1.9		2.5		
7/12/2018	19.9	5.8	7.7	8		2.2			
7/13/2018								5.9	5.3
11/6/2018					2.3		2.6		
11/7/2018						2.3			
11/8/2018	19.3	5.8	7.7	8.1				6.1	5.9
3/12/2019					2.5		3.3		
3/13/2019	19.7	6.9	8.2	9.1		3.6		6.8	6.2
10/15/2019					2.2		3.3		
10/16/2019						2			4.7
10/17/2019								6.9	
10/18/2019	19.2	5.8	8	8.6					
3/2/2020					1.9		3		
3/4/2020	20.6								
3/9/2020		6	7.5	8.1		1.8		6.7	5.7
9/22/2020					1.9	1.6	5.2		
9/23/2020	19.7							7.1	4.7
9/24/2020		5.6		8.2					
9/25/2020			7.9						
3/1/2021					1.9		3.9		
3/8/2021	19.1								
3/10/2021									5
3/11/2021		5.6	7.7	8				7.4	
3/12/2021						2			
9/8/2021							5.9		
9/9/2021					1.9	1.8			
9/14/2021	16.7								
9/15/2021				7.6					
9/16/2021		5.6						7.9	4.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-40	DGWC-37	DGWC-39	DGWC-38	DGWA-70A (bg)	DGWA-53 (bg)	DGWA-71 (bg)	DGWC-67	DGWC-69
9/17/2021			8.3						
1/18/2022					1.9		5.9		
1/19/2022	16.5							8.3	
1/20/2022			8						
1/21/2022		5.7		8.5					
1/25/2022									5.4
1/28/2022						1.8			
6/6/2022									
9/7/2022	15		8.2		2.1		8.2		4.9
9/8/2022						1.6		8.9	
9/9/2022		5.4							
9/12/2022				8.5					
1/31/2023					2.2		7.3		
2/1/2023	16					1.9			5.8
2/2/2023		5.9		8.7				9.4	
2/3/2023			7.4						
5/2/2023									
9/6/2023		5.4			2.2		7.8		
9/7/2023	13.6		7.2	8.2		1.7		9.2	5.1
9/8/2023									
1/30/2024	14.7			8.5		1.6	8.2		
1/31/2024		5.8	6.8						6
2/1/2024								9.8	
5/20/2024									
9/4/2024		6	8.2	9	2.2		9.4		
9/5/2024	14.4							10.4	5
9/11/2024						1.8			
2/4/2025						1.6	9.3		
2/6/2025					1.8				
2/7/2025	16.2		6.9	8.7					
2/10/2025		5.7						9.9	2.7
9/9/2025								10.8	
9/10/2025					2.1	1.9	10.2		
9/15/2025				8.9					
9/16/2025	13	5.4	8.3						3.2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-68A	DGWC-121
9/2/2016		
9/8/2016		
12/7/2016		
12/8/2016		
3/28/2017		
3/30/2017		
3/31/2017		
5/11/2017		
5/12/2017	4.2	
5/15/2017		
6/15/2017		
6/16/2017	4.2	
7/11/2017		
7/12/2017		
7/13/2017	4.4	
8/8/2017	4.2	
10/24/2017		
10/26/2017	4.4	
11/15/2017		
2/27/2018		
3/1/2018		
3/2/2018	4.2	
3/8/2018		
7/10/2018		
7/12/2018		
7/13/2018	4	
11/6/2018		
11/7/2018		
11/8/2018	<0.25	
3/12/2019		
3/13/2019	4.6	
10/15/2019		
10/16/2019	4.2	
10/17/2019		
10/18/2019		
3/2/2020		
3/4/2020		
3/9/2020	3.6	
9/22/2020		
9/23/2020	3.6	
9/24/2020		
9/25/2020		
3/1/2021		
3/8/2021		
3/10/2021	3.6	
3/11/2021		
3/12/2021		
9/8/2021		
9/9/2021		
9/14/2021		
9/15/2021		
9/16/2021	3.4	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-68A	DGWC-121
9/17/2021		
1/18/2022		
1/19/2022		
1/20/2022		
1/21/2022		
1/25/2022	3.8	
1/28/2022		
6/6/2022		4.7
9/7/2022	4.1	
9/8/2022		4.5
9/9/2022		
9/12/2022		
1/31/2023		
2/1/2023	4.2	
2/2/2023		4.3
2/3/2023		
5/2/2023		2.7
9/6/2023		
9/7/2023	3.9	
9/8/2023		4.5
1/30/2024		
1/31/2024	3.9	3.8
2/1/2024		
5/20/2024		4.5
9/4/2024		4.7
9/5/2024	4.4	
9/11/2024		
2/4/2025		
2/6/2025		
2/7/2025		
2/10/2025	3.8	4.2
9/9/2025	4.5	
9/10/2025		
9/15/2025		
9/16/2025		5.2

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-40	DGWC-37	DGWC-38	DGWC-39	DGWA-53 (bg)	DGWA-71 (bg)	DGWC-67	DGWC-69	DGWC-68A
9/2/2016	0.5								
9/8/2016		0.08 (J)	0.1 (J)	0.17 (J)					
12/7/2016		0.21 (J)	0.27 (J)	0.33					
12/8/2016	0.35								
3/28/2017					0.12 (J)	0.06 (J)			
3/30/2017	0.21 (J)	0.05 (J)	0.12 (J)	0.17 (J)					
3/31/2017							0.02 (J)	0.16 (J)	
5/11/2017					0.07 (J)				
5/12/2017						<0.1	<0.1	0.12 (J)	0.37
5/15/2017									
6/15/2017					0.19 (J)				
6/16/2017						0.008 (J)	0.03 (J)	0.16 (J)	0.12 (J)
7/11/2017						0.007 (J)			
7/12/2017					0.1 (J)				
7/13/2017	0.2 (J)	0.06 (J)	0.13 (J)	0.14 (J)			0.03 (J)	0.13 (J)	0.12 (J)
8/8/2017									0.11 (J)
10/24/2017					0.06 (J)	<0.1			
10/26/2017	0.5	0.08 (J)	0.47	0.54			<0.1	0.29 (J)	0.11 (J)
11/15/2017					0.05 (J)	<0.1		0.28 (J)	
2/27/2018						<0.1			
3/1/2018		0.22 (J)	<0.1	0.13 (J)					
3/2/2018	0.33						<0.1	0.18 (J)	0.23 (J)
3/8/2018					0.25 (J)				
7/10/2018						<0.1			
7/12/2018	0.57	0.32	0.23 (J)	0.13 (J)	0.071 (J)				
7/13/2018							0.25 (J)	0.19 (J)	0.099 (J)
11/6/2018						<0.1			
11/7/2018					<0.1				
11/8/2018	0.11 (J)	<0.1	<0.1	0.072 (J)			0.5	0.12 (J)	0.04 (J)
3/12/2019						<0.1			
3/13/2019	0.15 (J)	0.08 (J)	0.084 (J)	0.085 (J)	0.13 (J)		0.07 (J)	0.086 (J)	0.12 (J)
8/27/2019						<0.1			
8/28/2019	0.14	0.074 (J)	0.066 (J)	0.086 (J)	0.42		<0.1	0.07 (J)	0.1
10/15/2019						<0.1			
10/16/2019					0.11 (J)			0.13 (J)	0.093 (J)
10/17/2019							0.038 (J)		
10/18/2019	0.13 (J)	0.075 (J)	0.073 (J)	0.14 (J)					
3/2/2020						<0.1			
3/4/2020	0.11 (J)								
3/9/2020		0.054 (J)	0.064 (J)	0.075 (J)	0.1 (J)		<0.1	0.068 (J)	0.082 (J)
8/11/2020						<0.1			
8/13/2020	0.16	0.068 (J)	0.06 (J)	0.076 (J)	0.062 (J)		<0.1	0.084 (J)	0.076 (J)
9/22/2020					0.099 (J)	<0.1			
9/23/2020	0.054 (J)						<0.1	0.064 (J)	0.07 (J)
9/24/2020		0.061 (J)	0.057 (J)						
9/25/2020				0.086 (J)					
3/1/2021						<0.1			
3/8/2021	0.17								
3/10/2021								0.055 (J)	0.07 (J)
3/11/2021		0.057 (J)	0.058 (J)	0.083 (J)			<0.1		
3/12/2021					0.076 (J)				
9/8/2021						<0.1			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-40	DGWC-37	DGWC-38	DGWC-39	DGWA-53 (bg)	DGWA-71 (bg)	DGWC-67	DGWC-69	DGWC-68A
9/9/2021					0.099 (J)				
9/14/2021	0.13								
9/15/2021			0.06 (J)						
9/16/2021		0.084 (J)					0.069 (J)	0.11	0.55
9/17/2021				0.13					
1/18/2022						<0.1			
1/19/2022	0.12						<0.1		
1/20/2022				0.1					
1/21/2022		0.053 (J)	0.1						
1/25/2022								0.054 (J)	0.067 (J)
1/28/2022					0.08 (J)				
6/6/2022									
9/7/2022	0.14			0.11		0.056 (J)		0.11	0.11
9/8/2022					0.11		0.096 (J)		
9/9/2022		0.082 (J)							
9/12/2022			0.12						
1/31/2023						0.05 (J)			
2/1/2023	0.15				0.1			0.1	0.11
2/2/2023		0.089 (J)	0.1				0.068 (J)		
2/3/2023				0.12					
5/2/2023									
9/6/2023		0.053 (J)				<0.1			
9/7/2023	0.14		0.072 (J)	0.092 (J)	0.082 (J)		<0.1	0.063 (J)	0.096 (J)
9/8/2023									
1/30/2024	0.12		0.078 (J)		0.07 (J)	<0.1			
1/31/2024		0.069 (J)		0.11				0.086 (J)	0.092 (J)
2/1/2024							0.057 (J)		
5/20/2024									
9/4/2024		0.1	0.12	0.14		0.06 (J)			
9/5/2024	0.14						0.071 (J)	0.11	0.11
9/11/2024					0.06 (J)				
2/4/2025					0.096 (J)	0.055 (J)			
2/6/2025									
2/7/2025	0.12		0.099 (J)	0.13					
2/10/2025		<0.1					<0.1	0.21	0.067 (J)
9/9/2025							0.067 (J)		0.099 (J)
9/10/2025					0.085 (J)	0.055 (J)			
9/15/2025			0.1						
9/16/2025	0.1	0.061 (J)		0.081 (J)				0.23	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-70A (bg)	DGWC-121
9/2/2016		
9/8/2016		
12/7/2016		
12/8/2016		
3/28/2017	1.2 (O)	
3/30/2017		
3/31/2017		
5/11/2017		
5/12/2017		
5/15/2017	0.005 (J)	
6/15/2017	0.02 (J)	
6/16/2017		
7/11/2017	0.06 (J)	
7/12/2017		
7/13/2017		
8/8/2017	0.04 (J)	
10/24/2017	<0.1	
10/26/2017		
11/15/2017		
2/27/2018	<0.1	
3/1/2018		
3/2/2018		
3/8/2018		
7/10/2018	0.082 (J)	
7/12/2018		
7/13/2018		
11/6/2018	<0.1	
11/7/2018		
11/8/2018		
3/12/2019	0.039 (J)	
3/13/2019		
8/27/2019	<0.1	
8/28/2019		
10/15/2019	<0.1	
10/16/2019		
10/17/2019		
10/18/2019		
3/2/2020	<0.1	
3/4/2020		
3/9/2020		
8/11/2020	<0.1	
8/13/2020		
9/22/2020	<0.1	
9/23/2020		
9/24/2020		
9/25/2020		
3/1/2021	<0.1	
3/8/2021		
3/10/2021		
3/11/2021		
3/12/2021		
9/8/2021		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWA-70A (bg)	DGWC-121
9/9/2021	<0.1	
9/14/2021		
9/15/2021		
9/16/2021		
9/17/2021		
1/18/2022	<0.1	
1/19/2022		
1/20/2022		
1/21/2022		
1/25/2022		
1/28/2022		
6/6/2022		0.056 (J)
9/7/2022	0.061 (J)	
9/8/2022		0.093 (J)
9/9/2022		
9/12/2022		
1/31/2023	0.053 (J)	
2/1/2023		
2/2/2023		0.11
2/3/2023		
5/2/2023		0.076 (J)
9/6/2023	<0.1	
9/7/2023		
9/8/2023		<0.1
1/30/2024		
1/31/2024		0.07 (J)
2/1/2024		
5/20/2024		0.062 (J)
9/4/2024	0.059 (J)	0.082 (J)
9/5/2024		
9/11/2024		
2/4/2025		
2/6/2025	0.061 (J)	
2/7/2025		
2/10/2025		<0.1
9/9/2025		
9/10/2025	0.051 (J)	
9/15/2025		
9/16/2025		<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-40	DGWC-37	DGWC-38	DGWC-39	DGWA-71 (bg)	DGWA-70A (bg)	DGWA-53 (bg)	DGWC-69	DGWC-67
9/2/2016	4.77								
9/8/2016		6.32	6.01	6.47					
12/7/2016		6.32	6.07	6.43					
12/8/2016	4.77								
3/28/2017					5.94	5.9	6.29		
3/30/2017	4.84	6.22	5.97	6.42					
3/31/2017								6.26	6.25
4/12/2017								6.19	
5/11/2017							6.6		
5/12/2017					5.46			6.2	6.23
5/15/2017						5.72			
6/15/2017						5.74	6.41		
6/16/2017					5.81			6.22	6.22
7/11/2017					5.74	5.62			
7/12/2017							5.91		
7/13/2017	4.85	6.3	6.11	6.47				6.35	6.15
8/8/2017						5.6			
10/24/2017					5.86	5.71	5.51		
10/26/2017	4.86		6.06	6.49				6.69	6.64
11/15/2017					5.77		6.5	6.22	
2/27/2018					5.66	5.5			
3/1/2018		6.28	6.05	6.37					
3/2/2018	4.67							6.1	6.18
3/8/2018							6.18		
7/10/2018					5.63	5.44			
7/12/2018	4.63	6.43	6.05	6.45			6.33		
7/13/2018								5.95	6.19
11/6/2018					5.79	5.71			
11/7/2018							6.22		
11/8/2018	4.79	6.36	6.07	6.49				6	6.23
3/12/2019					5.74	5.52			
3/13/2019	4.6	6.26	6.05	6.28			6	6.08	6.19
8/27/2019					5.87	5.53			
8/28/2019	4.68	6.27	5.98	6.41			6.04	6.09	6.22
10/15/2019					5.88	5.61			
10/16/2019							6.69	6.19	
10/17/2019									6.14
10/18/2019	4.71	6.26	6	6.35					
1/6/2020	4.68	6.26	6.02	6.4					6.15
3/2/2020					5.77	5.54			
3/4/2020	4.64								
3/9/2020		6.34	6.12	6.37			6.41	6.12	6.23
8/11/2020					5.96	5.86			
8/13/2020	4.65	6.34	6.05	6.39			6.17	6.26	6.28
9/22/2020					6.06	6.01	6.43		
9/23/2020	4.78							6.08	6.23
9/24/2020		6.3	6.05						
9/25/2020				6.38					
3/1/2021					5.8	5.43			
3/8/2021	4.79								
3/10/2021								6.13	
3/11/2021		6.49	6.22	6.66					6.28

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-40	DGWC-37	DGWC-38	DGWC-39	DGWA-71 (bg)	DGWA-70A (bg)	DGWA-53 (bg)	DGWC-69	DGWC-67
3/12/2021							6.38		
9/8/2021					5.76				
9/9/2021						5.5	6.41		
9/14/2021	4.67								
9/15/2021			6.08						
9/16/2021		6.33						6.16	6.2
9/17/2021				6.49					
10/27/2021									
1/18/2022					5.51	5.5			
1/19/2022	4.66								6.21
1/20/2022				6.52					
1/21/2022		6.31	6.08						
1/25/2022								6.02	
1/28/2022							6.35		
6/6/2022									
9/7/2022	4.54			6.43	5.65	5.6		6.2	
9/8/2022		6.3					6.32		6.21
9/9/2022		6.3							
9/12/2022			6.05						
1/31/2023					5.78	5.59			
2/1/2023	4.66						6.42	6.12	
2/2/2023		6.23	6.03						6.27
2/3/2023				6.49					
5/2/2023									
9/6/2023		6.26			5.82	5.5			
9/7/2023	4.67		6.07	6.55			6.51	6.16	6.21
9/8/2023									
1/30/2024	4.64		5.94		5.79		6.28		
1/31/2024		6.32		6.58				6.26	
2/1/2024									6.27
5/20/2024									
9/4/2024		6.24	6.01	6.45	5.85	5.51			
9/5/2024	4.6							6.17	6.19
9/11/2024							6.1		
2/4/2025					5.7		6.52		
2/6/2025						5.64			
2/7/2025	4.62		6.12	6.6					
2/10/2025		6.42						6.4	6.25
9/9/2025									6.19
9/10/2025					5.55	5.4	6.14		
9/15/2025			6.1						
9/16/2025	4.59	6.28		6.44				6.29	

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-68A	DGWC-121
9/2/2016		
9/8/2016		
12/7/2016		
12/8/2016		
3/28/2017		
3/30/2017		
3/31/2017		
4/12/2017		
5/11/2017		
5/12/2017	6.63	
5/15/2017		
6/15/2017		
6/16/2017	6.63	
7/11/2017		
7/12/2017		
7/13/2017	6.84	
8/8/2017	6.57	
10/24/2017		
10/26/2017	7.01	
11/15/2017		
2/27/2018		
3/1/2018		
3/2/2018	6.58	
3/8/2018		
7/10/2018		
7/12/2018		
7/13/2018	6.62	
11/6/2018		
11/7/2018		
11/8/2018	6.5	
3/12/2019		
3/13/2019	6.57	
8/27/2019		
8/28/2019	6.6	
10/15/2019		
10/16/2019	6.6	
10/17/2019		
10/18/2019		
1/6/2020		
3/2/2020		
3/4/2020		
3/9/2020	6.6	
8/11/2020		
8/13/2020	6.63	
9/22/2020		
9/23/2020	6.6	
9/24/2020		
9/25/2020		
3/1/2021		
3/8/2021		
3/10/2021	6.74	
3/11/2021		

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-68A	DGWC-121
3/12/2021		
9/8/2021		
9/9/2021		
9/14/2021		
9/15/2021		
9/16/2021	6.79 (O)	
9/17/2021		
10/27/2021	6.56	
1/18/2022		
1/19/2022		
1/20/2022		
1/21/2022		
1/25/2022	6.53	
1/28/2022		
6/6/2022		6.33
9/7/2022	6.62	
9/8/2022		6.32
9/9/2022		
9/12/2022		
1/31/2023		
2/1/2023	6.6	
2/2/2023		6.35
2/3/2023		
5/2/2023		6.21
9/6/2023		
9/7/2023	6.6	
9/8/2023		6.25
1/30/2024		
1/31/2024	6.62	6.19
2/1/2024		
5/20/2024		6.2
9/4/2024		6.11
9/5/2024	6.53	
9/11/2024		
2/4/2025		
2/6/2025		
2/7/2025		
2/10/2025	6.62	6.3
9/9/2025	6.58	
9/10/2025		
9/15/2025		
9/16/2025		6.14

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-40	DGWC-37	DGWC-39	DGWC-38	DGWA-70A (bg)	DGWA-53 (bg)	DGWA-71 (bg)	DGWC-67	DGWC-69
9/2/2016	230								
9/8/2016		97	280	270					
12/7/2016		100	250	250					
12/8/2016	270								
3/28/2017					2.7	49	17		
3/30/2017	240	110	310	290					
3/31/2017								110	21
5/11/2017						21			
5/12/2017							17	100	17
5/15/2017					1				
6/15/2017					0.86 (J)	16			
6/16/2017							11	100	20
7/11/2017					1.4		11		
7/12/2017						10			
7/13/2017	220	200 (O)	220	270				110	17
8/8/2017					1.5				
10/24/2017					1.4	15	9.6		
10/26/2017	220	97	210	260				100	31
11/15/2017						3.8	7.8		29
2/27/2018					0.54 (J)		7.4		
3/1/2018		94.6	166	242					
3/2/2018	219							98.5	10.1
3/8/2018						9.7			
7/10/2018					0.25 (J)		7.2		
7/12/2018	222	89.2	169	256		8			
7/13/2018								136	8.6
11/6/2018					0.12 (J)		7.3		
11/7/2018						12.8			
11/8/2018	273	102	200	291				118	9.7
3/12/2019					0.35 (J)		7		
3/13/2019	445	92.2	265	300		23.7		233	8.4
10/15/2019					0.16 (J)		7.4		
10/16/2019						15.1			13.3
10/17/2019								99.4	
10/18/2019	205	76.4	182	239					
3/2/2020					<1		8.5		
3/4/2020	177								
3/9/2020		90.3	171	244		9.5		100	7.6
9/22/2020					<1	13.5	6.5		
9/23/2020	190							99.8	5.9
9/24/2020		84.1		240					
9/25/2020			153						
3/1/2021					<1		5.2		
3/8/2021	191								
3/10/2021									6.4
3/11/2021		81.9	123	154				76.7	
3/12/2021						8.8			
9/8/2021							6.1		
9/9/2021					<1	11.9			
9/14/2021	186								
9/15/2021				219					
9/16/2021		95						101	17.9

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-40	DGWC-37	DGWC-39	DGWC-38	DGWA-70A (bg)	DGWA-53 (bg)	DGWA-71 (bg)	DGWC-67	DGWC-69
9/17/2021			156						
1/18/2022					<1		6.3		
1/19/2022	177							97.2	
1/20/2022			123						
1/21/2022		89.8		188					
1/25/2022									7.1
1/28/2022						13.1			
6/6/2022									
9/7/2022	203		146		<1		7		11.6
9/8/2022						12		117	
9/9/2022		96.6							
9/12/2022				234					
1/31/2023					<1		6.8		
2/1/2023	189					13.3			6.9
2/2/2023		94.3		239				117	
2/3/2023			115						
5/2/2023									
9/6/2023		83.4			<1		7.2		
9/7/2023	177		124	212		15.4		106	6.9
9/8/2023									
1/30/2024	179			220		13.4	7.9		
1/31/2024		98.4	106						7.2
2/1/2024								111	
5/20/2024									
9/4/2024		95.2	142	214	<1		9.9		
9/5/2024	160							107	14.9
9/11/2024						11.5			
2/4/2025						11.5	8.4		
2/6/2025					<1				
2/7/2025	145		98.7	205					
2/10/2025		98.6						106	50.1
9/9/2025								109	
9/10/2025					<1	12.5	9.2		
9/15/2025				211					
9/16/2025	152	77.9	148						53.9

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-68A	DGWC-121
9/2/2016		
9/8/2016		
12/7/2016		
12/8/2016		
3/28/2017		
3/30/2017		
3/31/2017		
5/11/2017		
5/12/2017	50	
5/15/2017		
6/15/2017		
6/16/2017	47	
7/11/2017		
7/12/2017		
7/13/2017	49	
8/8/2017	48	
10/24/2017		
10/26/2017	48	
11/15/2017		
2/27/2018		
3/1/2018		
3/2/2018	44.7	
3/8/2018		
7/10/2018		
7/12/2018		
7/13/2018	43.3	
11/6/2018		
11/7/2018		
11/8/2018	43.5	
3/12/2019		
3/13/2019	44.1	
10/15/2019		
10/16/2019	32.1	
10/17/2019		
10/18/2019		
3/2/2020		
3/4/2020		
3/9/2020	37.4	
9/22/2020		
9/23/2020	38.7	
9/24/2020		
9/25/2020		
3/1/2021		
3/8/2021		
3/10/2021	38.4	
3/11/2021		
3/12/2021		
9/8/2021		
9/9/2021		
9/14/2021		
9/15/2021		
9/16/2021	22.3	

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-68A	DGWC-121
9/17/2021		
1/18/2022		
1/19/2022		
1/20/2022		
1/21/2022		
1/25/2022	36.3	
1/28/2022		
6/6/2022		83.9
9/7/2022	36.5	
9/8/2022		84.8
9/9/2022		
9/12/2022		
1/31/2023		
2/1/2023	35.6	
2/2/2023		67.6
2/3/2023		
5/2/2023		47.3
9/6/2023		
9/7/2023	34.2	
9/8/2023		87.8
1/30/2024		
1/31/2024	33.2	73.7
2/1/2024		
5/20/2024		88
9/4/2024		87.8
9/5/2024	35.9	
9/11/2024		
2/4/2025		
2/6/2025		
2/7/2025		
2/10/2025	31.9	84
9/9/2025	33.4	
9/10/2025		
9/15/2025		
9/16/2025		93.9

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-37	DGWC-38	DGWC-40	DGWA-70A (bg)	DGWA-53 (bg)	DGWA-71 (bg)	DGWC-67	DGWC-69
9/2/2016				583 (O)					
9/8/2016	522	279	437						
12/7/2016	565	300	478						
12/8/2016				319					
3/28/2017					39	202	90		
3/30/2017	496	273	448	344					
3/31/2017								270	138
5/11/2017						241			
5/12/2017							92	287	243
5/15/2017					88				
6/15/2017					65	251			
6/16/2017							100	309	155
7/11/2017					25		59		
7/12/2017						218			
7/13/2017	508	312	504	386				275	122
8/8/2017					53				
10/24/2017					49	671 (O)	117		
10/26/2017	532	340	554	373				319	234
11/15/2017						241	90		188
2/27/2018					43		79		
3/1/2018	440	311	492						
3/2/2018				359				264	73
3/8/2018						213			
7/10/2018					80		88		
7/12/2018	463	290	478	365		198			
7/13/2018								297	95
11/6/2018					65		85		
11/7/2018						200			
11/8/2018	485	295	507	399				295	112
3/12/2019					43		74		
3/13/2019	526	286	487	351		201		278	95
10/15/2019					70		89		
10/16/2019						126			108
10/17/2019								281	
10/18/2019	489	269	494	360					
3/2/2020					52		67		
3/4/2020				400					
3/9/2020	508	357	554			171		209	115
9/22/2020					46	142	74		
9/23/2020				357				296	102
9/24/2020		280	489						
9/25/2020	460								
3/1/2021					25		62		
3/8/2021				346					
3/10/2021									78
3/11/2021	440	255	463					265	
3/12/2021						124			
9/8/2021							75		
9/9/2021					53	131			
9/14/2021				347					
9/15/2021			474						
9/16/2021		278						282	113

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-39	DGWC-37	DGWC-38	DGWC-40	DGWA-70A (bg)	DGWA-53 (bg)	DGWA-71 (bg)	DGWC-67	DGWC-69
9/17/2021	446								
1/18/2022					54		76		
1/19/2022				336				272	
1/20/2022	416								
1/21/2022		316	482						
1/25/2022									84
1/28/2022						155			
6/6/2022									
9/7/2022	449			339	34		82		102
9/8/2022						129		252	
9/9/2022		300							
9/12/2022			468						
1/31/2023					163		87		
2/1/2023				343		116			79
2/2/2023		302	478					317	
2/3/2023	382								
5/2/2023									
9/6/2023		324			46		80		
9/7/2023	421		526	359		123		337	106
9/8/2023									
1/30/2024			492	348		130	86		
1/31/2024	387	310							82
2/1/2024								313	
5/20/2024									
9/4/2024	466	348	503		61		97		
9/5/2024				374				314	125
9/11/2024						122			
2/4/2025						125	79		
2/6/2025					63				
2/7/2025	398		477	337					
2/10/2025		343						321	245
9/9/2025								316	
9/10/2025					58	115	80		
9/15/2025			490						
9/16/2025	489	291		332					274

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-68A	DGWC-121
9/2/2016		
9/8/2016		
12/7/2016		
12/8/2016		
3/28/2017		
3/30/2017		
3/31/2017		
5/11/2017		
5/12/2017	300	
5/15/2017		
6/15/2017		
6/16/2017	271	
7/11/2017		
7/12/2017		
7/13/2017	246	
8/8/2017	278	
10/24/2017		
10/26/2017	287	
11/15/2017		
2/27/2018		
3/1/2018		
3/2/2018	252	
3/8/2018		
7/10/2018		
7/12/2018		
7/13/2018	275	
11/6/2018		
11/7/2018		
11/8/2018	277	
3/12/2019		
3/13/2019	267	
10/15/2019		
10/16/2019	218	
10/17/2019		
10/18/2019		
3/2/2020		
3/4/2020		
3/9/2020	188	
9/22/2020		
9/23/2020	251	
9/24/2020		
9/25/2020		
3/1/2021		
3/8/2021		
3/10/2021	232	
3/11/2021		
3/12/2021		
9/8/2021		
9/9/2021		
9/14/2021		
9/15/2021		
9/16/2021	259	

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 11/19/2025 10:27 AM View: Appendix III - Interwell PLs

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-68A	DGWC-121
9/17/2021		
1/18/2022		
1/19/2022		
1/20/2022		
1/21/2022		
1/25/2022	259	
1/28/2022		
6/6/2022		270
9/7/2022	256	
9/8/2022		261
9/9/2022		
9/12/2022		
1/31/2023		
2/1/2023	243	
2/2/2023		221
2/3/2023		
5/2/2023		69
9/6/2023		
9/7/2023	253	
9/8/2023		286
1/30/2024		
1/31/2024	261	220
2/1/2024		
5/20/2024		291
9/4/2024		276
9/5/2024	278	
9/11/2024		
2/4/2025		
2/6/2025		
2/7/2025		
2/10/2025	276	230
9/9/2025	272	
9/10/2025		
9/15/2025		
9/16/2025		262

FIGURE F.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:31 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**DGWA-53 (bg)**	**-0.003651**	**-121**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**DGWC-39**	**-0.1153**	**-129**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**DGWC-40**	**-0.02916**	**-146**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**DGWC-67**	**0.1127**	**140**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**DGWA-53 (bg)**	**-2.925**	**-178**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**DGWC-67**	**0.6575**	**104**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**DGWC-68A**	**0.7604**	**102**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**DGWA-53 (bg)**	**-0.1099**	**-153**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**DGWA-71 (bg)**	**0.7835**	**152**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**DGWC-40**	**-0.7825**	**-156**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**DGWC-67**	**0.6282**	**207**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**DGWC-40**	**-0.01993**	**-137**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**DGWC-38**	**-7.212**	**-135**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**DGWC-39**	**-16.46**	**-160**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**DGWC-40**	**-9.375**	**-155**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**DGWA-53 (bg)**	**-14.53**	**-168**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**DGWC-39**	**-14.13**	**-114**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

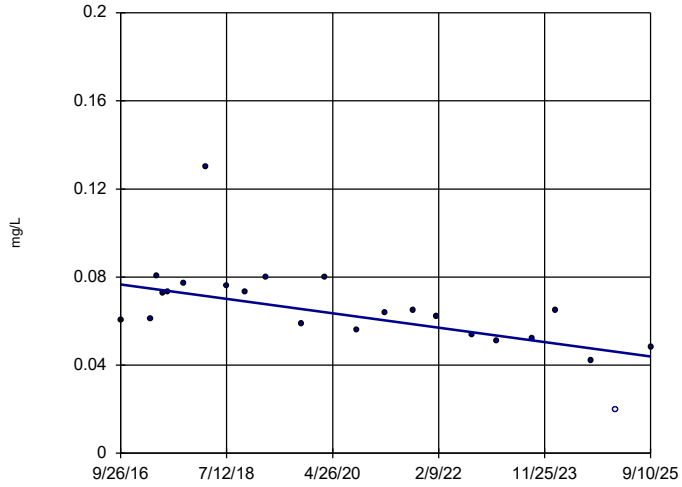
Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:31 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**DGWA-53 (bg)**	**-0.003651**	**-121**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	DGWA-70A (bg)	0	53	92	No	22	50	n/a	n/a	0.01	NP
Boron (mg/L)	DGWA-71 (bg)	0.0007332	53	87	No	21	19.05	n/a	n/a	0.01	NP
Boron (mg/L)	DGWC-37	0	-12	-92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	DGWC-38	-0.03525	-88	-92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	**DGWC-39**	**-0.1153**	**-129**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**DGWC-40**	**-0.02916**	**-146**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**DGWC-67**	**0.1127**	**140**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	DGWC-68A	-0.01539	-42	-92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	DGWC-69	-0.004893	-42	-105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	DGWC-121	0.1482	14	30	No	10	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**DGWA-53 (bg)**	**-2.925**	**-178**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	DGWA-70A (bg)	0.105	63	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	DGWA-71 (bg)	-0.04368	-15	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	DGWC-37	0.6606	43	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	DGWC-38	0.2808	19	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	DGWC-39	-0.7799	-36	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**DGWC-67**	**0.6575**	**104**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**DGWC-68A**	**0.7604**	**102**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	DGWC-69	-0.1034	-10	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	DGWC-121	-0.159	-1	-30	No	10	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**DGWA-53 (bg)**	**-0.1099**	**-153**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	DGWA-70A (bg)	-0.02359	-59	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**DGWA-71 (bg)**	**0.7835**	**152**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**DGWC-40**	**-0.7825**	**-156**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**DGWC-67**	**0.6282**	**207**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	DGWA-53 (bg)	0.01168	23	111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-70A (bg)	-0.02274	-88	-105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-71 (bg)	-0.002658	-11	-111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	**DGWC-40**	**-0.01993**	**-137**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	DGWA-53 (bg)	-0.2961	-34	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	DGWA-70A (bg)	0	-12	-92	No	22	50	n/a	n/a	0.01	NP
Sulfate (mg/L)	DGWA-71 (bg)	-0.3401	-74	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	DGWC-37	-0.8616	-41	-87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**DGWC-38**	**-7.212**	**-135**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**DGWC-39**	**-16.46**	**-160**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**DGWC-40**	**-9.375**	**-155**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	DGWC-67	0.1525	12	92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	DGWC-69	-0.6033	-51	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	DGWC-121	3.013	18	30	No	10	0	n/a	n/a	0.01	NP
TDS (mg/L)	**DGWA-53 (bg)**	**-14.53**	**-168**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	DGWA-70A (bg)	1.031	16	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	DGWA-71 (bg)	-0.8924	-39	-98	No	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	DGWC-37	2.866	44	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	DGWC-38	0.8953	14	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	**DGWC-39**	**-14.13**	**-114**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	DGWC-40	-2.927	-51	-87	No	21	0	n/a	n/a	0.01	NP
TDS (mg/L)	DGWC-67	3.48	57	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	DGWC-68A	-1.311	-21	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	DGWC-69	-3.544	-33	-98	No	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	DGWC-121	2.667	3	30	No	10	0	n/a	n/a	0.01	NP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-53 (bg)



n = 23

Slope = -0.003651 units per year.

Mann-Kendall statistic = -121
critical = -98

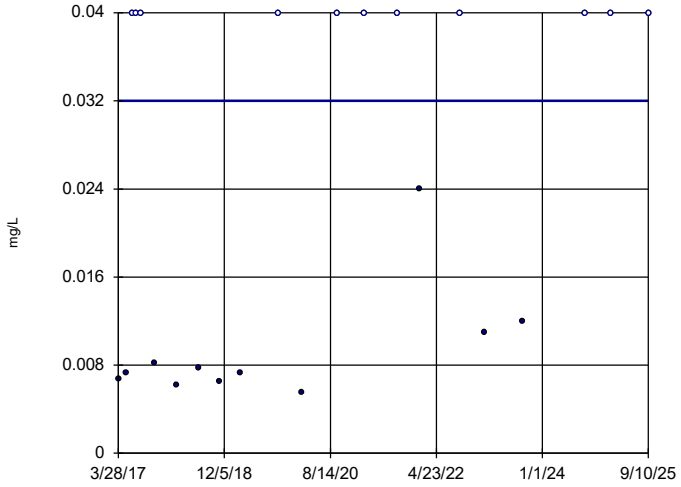
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-70A (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 53
critical = 92

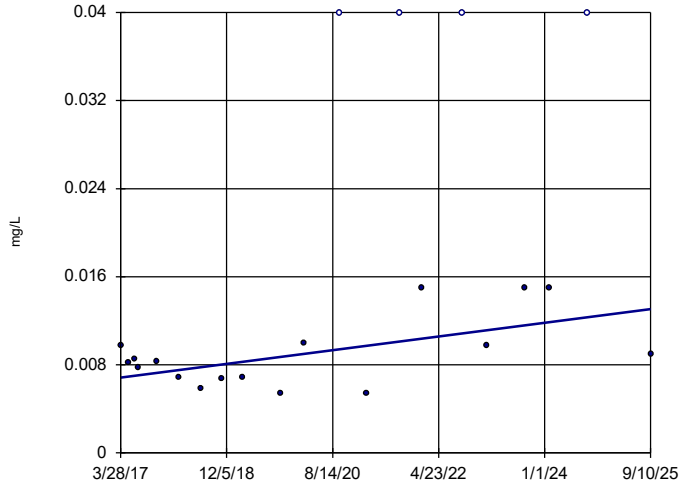
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-71 (bg)



n = 21

Slope = 0.0007332 units per year.

Mann-Kendall statistic = 53
critical = 87

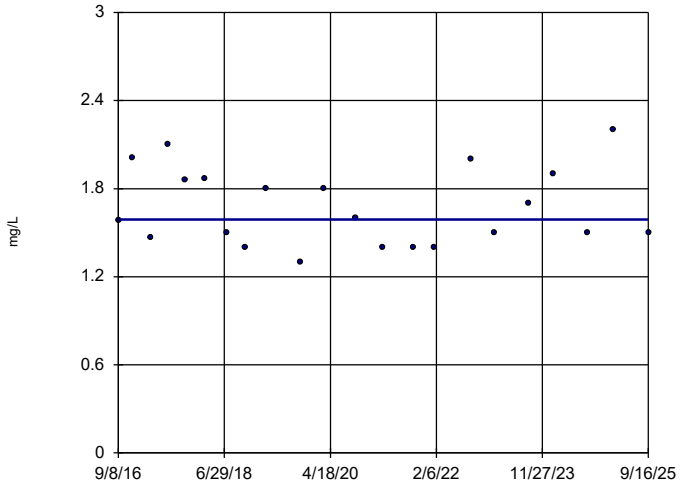
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-37



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -12
critical = -92

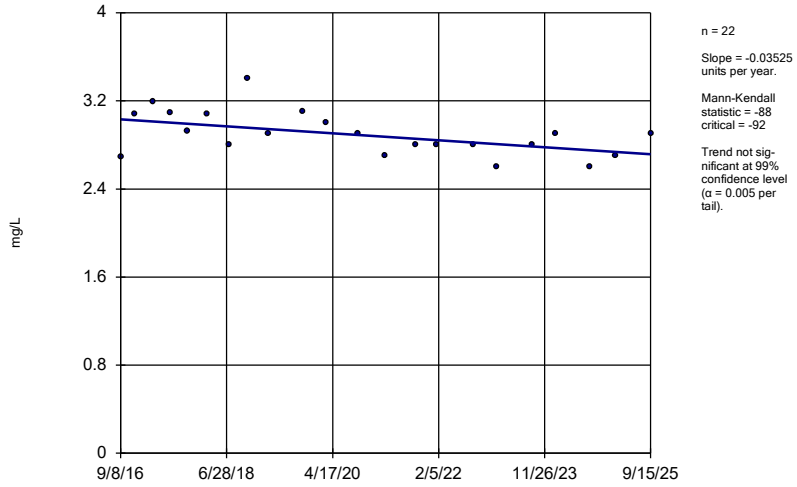
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-38



n = 22

Slope = -0.03525 units per year.

Mann-Kendall statistic = -88
critical = -92

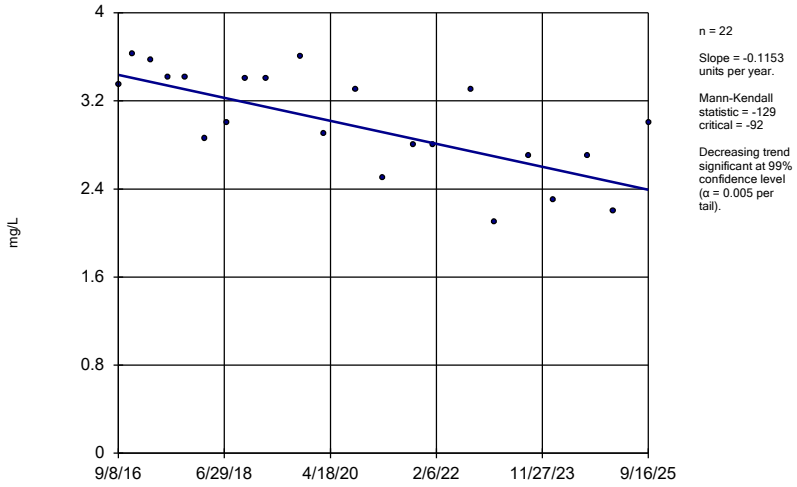
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-39



n = 22

Slope = -0.1153 units per year.

Mann-Kendall statistic = -129
critical = -92

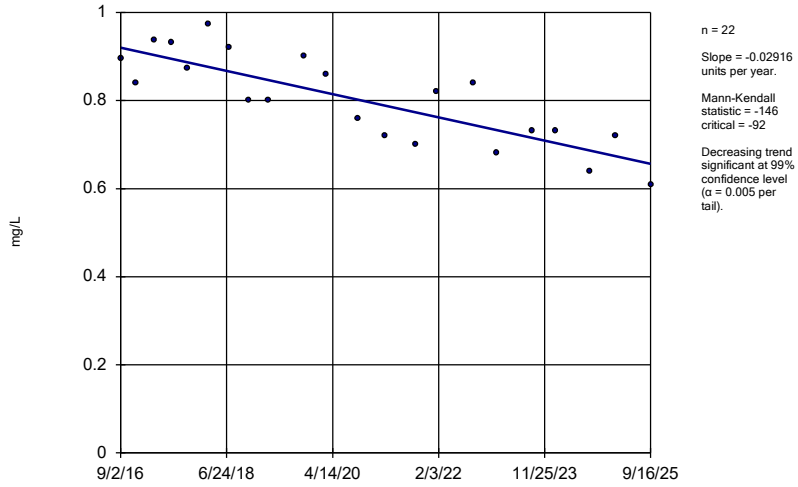
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-40



n = 22

Slope = -0.02916 units per year.

Mann-Kendall statistic = -146
critical = -92

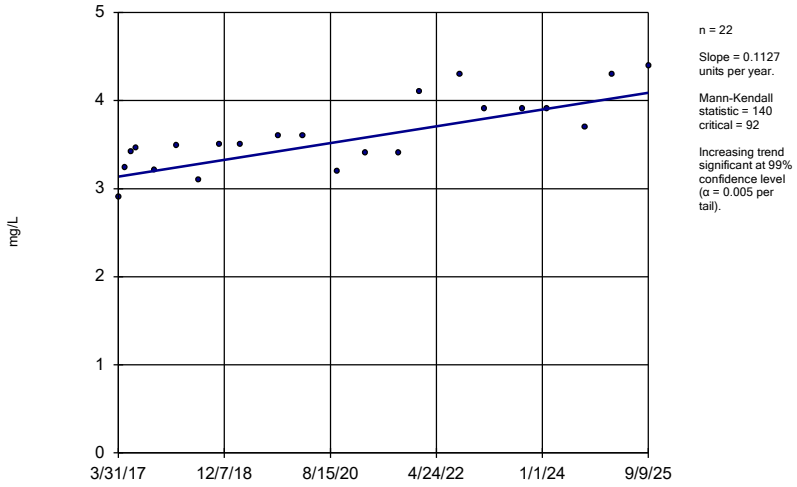
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-67



n = 22

Slope = 0.1127 units per year.

Mann-Kendall statistic = 140
critical = 92

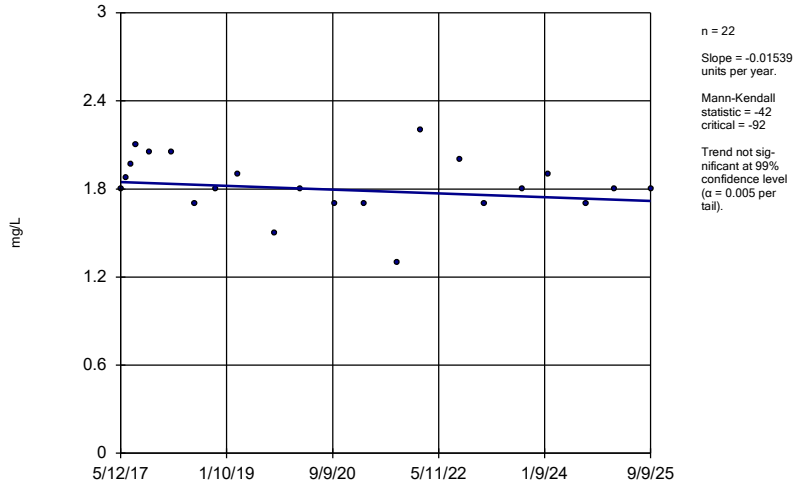
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-68A



n = 22

Slope = -0.01539 units per year.

Mann-Kendall statistic = -42
critical = -92

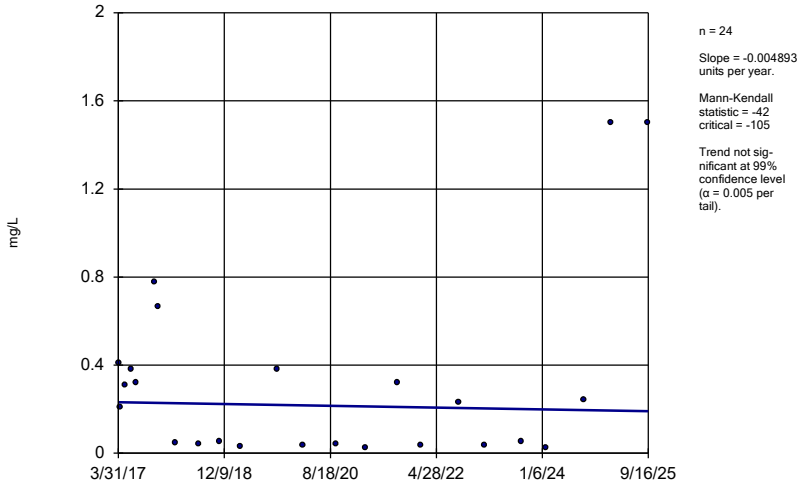
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-69



n = 24

Slope = -0.004893 units per year.

Mann-Kendall statistic = -42
critical = -105

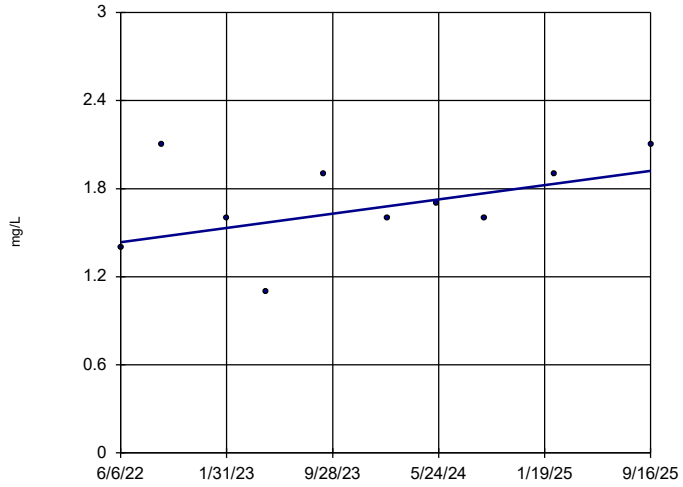
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-121



n = 10

Slope = 0.1482 units per year.

Mann-Kendall statistic = 14
critical = 30

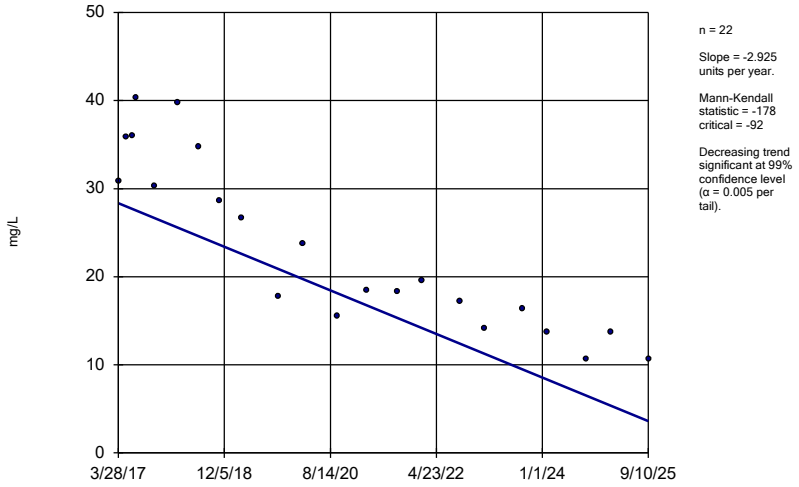
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-53 (bg)



n = 22

Slope = -2.925 units per year.

Mann-Kendall statistic = -178
critical = -92

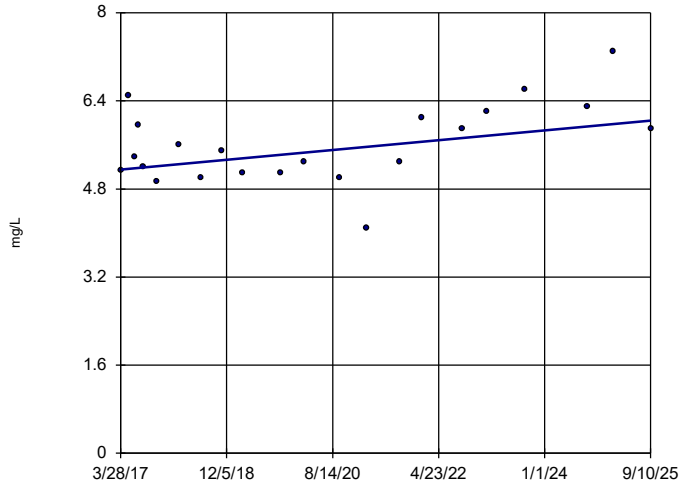
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-70A (bg)



n = 22

Slope = 0.105 units per year.

Mann-Kendall statistic = 63 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

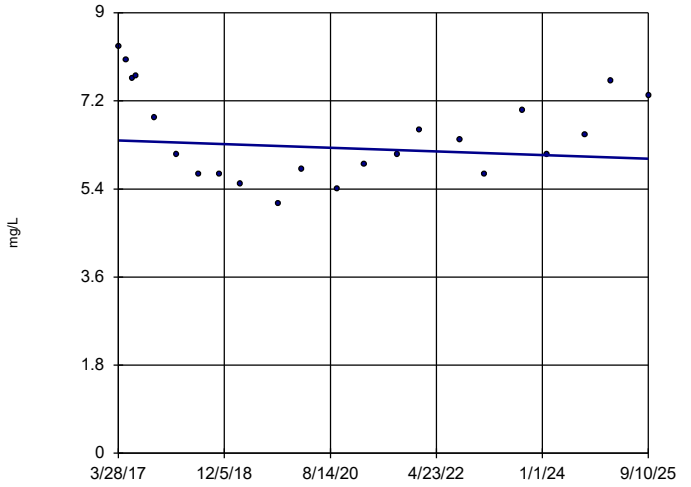
Constituent: Calcium Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-71 (bg)



n = 22

Slope = -0.04368 units per year.

Mann-Kendall statistic = -15 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

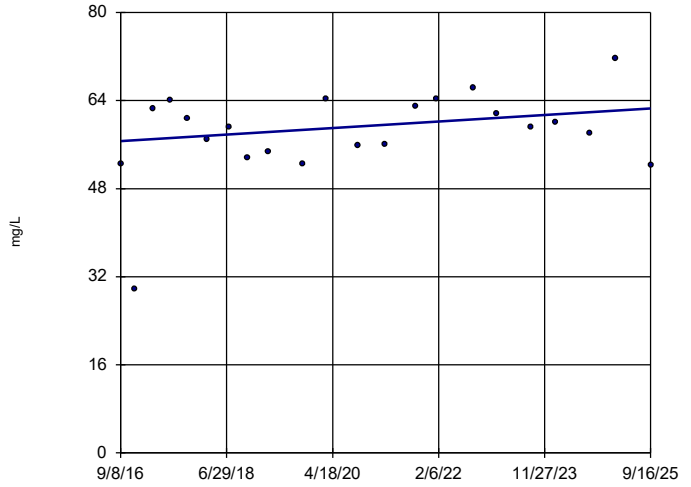
Constituent: Calcium Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-37



n = 22

Slope = 0.6606 units per year.

Mann-Kendall statistic = 43 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

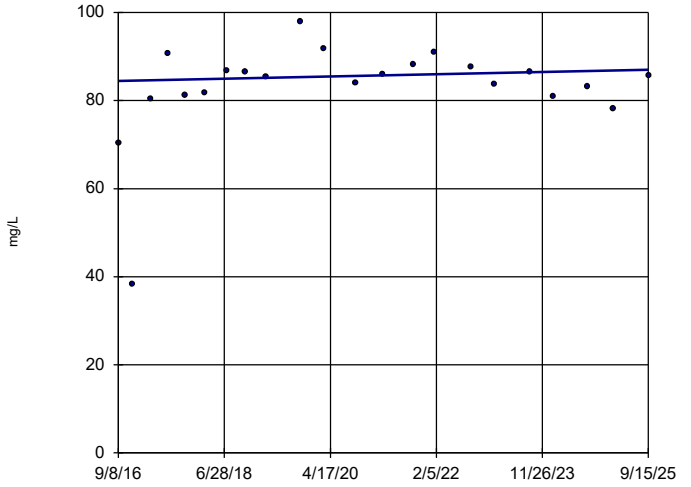
Constituent: Calcium Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-38



n = 22

Slope = 0.2808 units per year.

Mann-Kendall statistic = 19 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

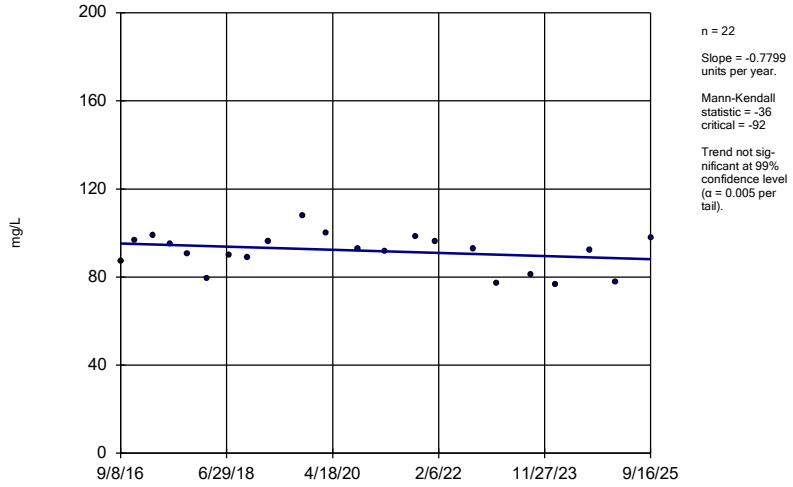
Constituent: Calcium Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-39



n = 22

Slope = -0.7799 units per year.

Mann-Kendall statistic = -36
critical = -92

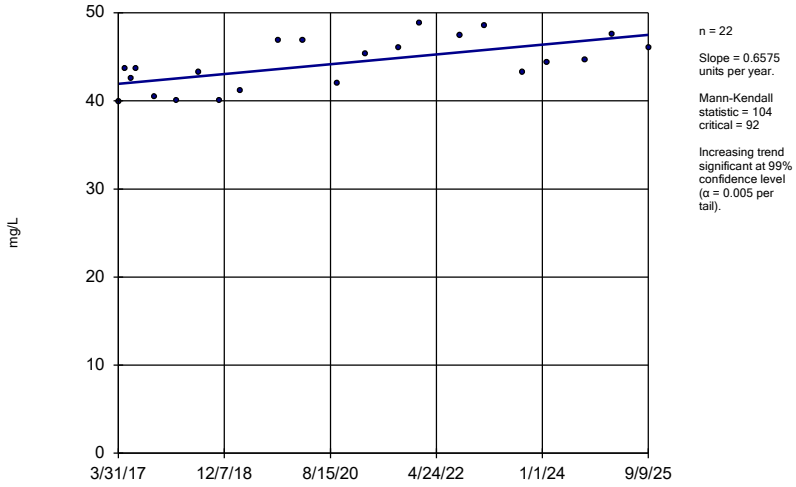
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-67



n = 22

Slope = 0.6575 units per year.

Mann-Kendall statistic = 104
critical = 92

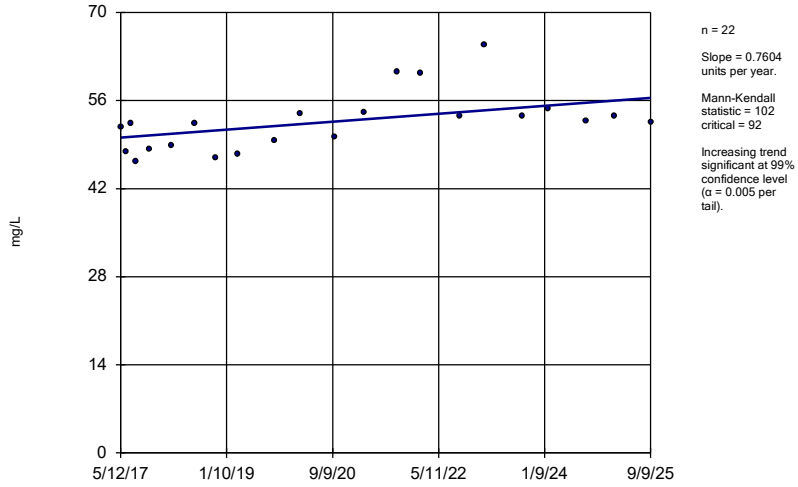
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-68A



n = 22

Slope = 0.7604 units per year.

Mann-Kendall statistic = 102
critical = 92

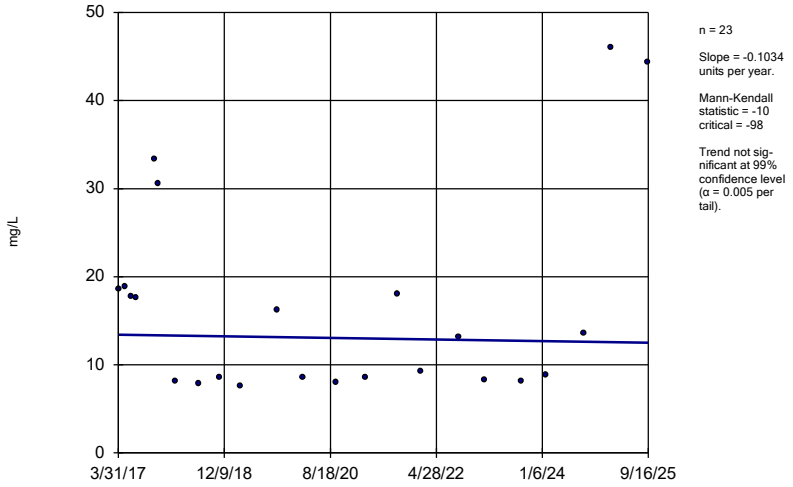
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-69



n = 23

Slope = -0.1034 units per year.

Mann-Kendall statistic = -10
critical = -98

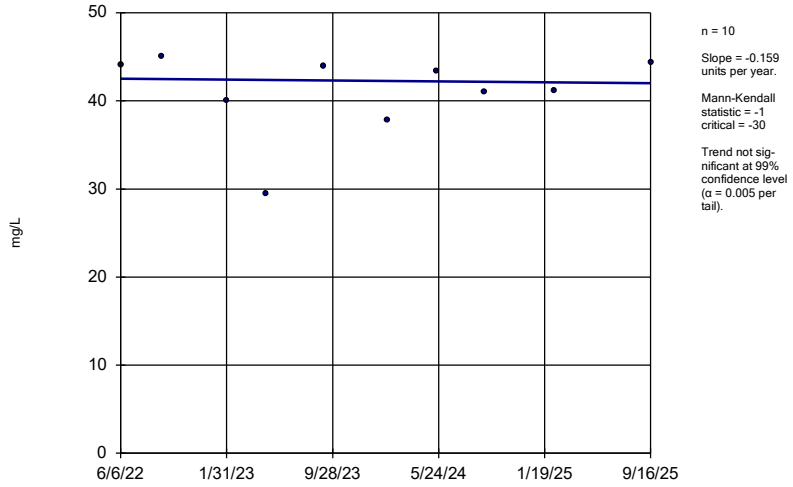
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-121



n = 10

Slope = -0.159 units per year.

Mann-Kendall statistic = -1 critical = -30

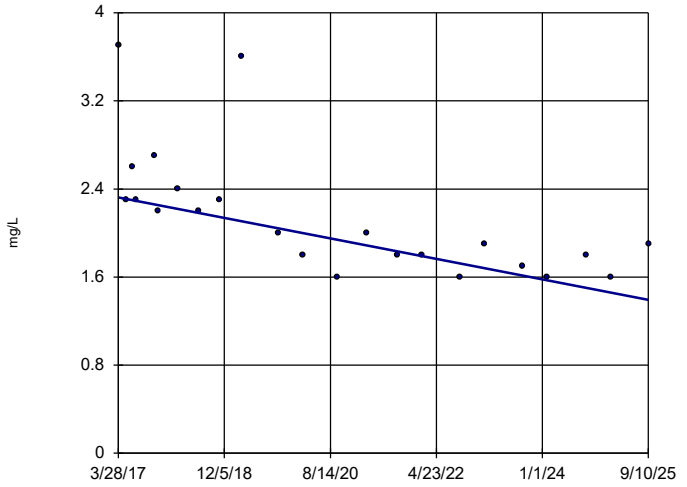
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-53 (bg)



n = 23

Slope = -0.1099 units per year.

Mann-Kendall statistic = -153 critical = -98

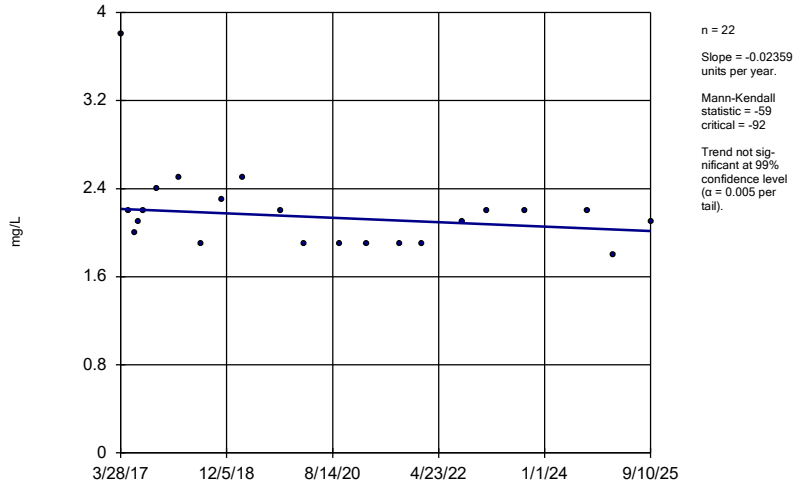
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-70A (bg)



n = 22

Slope = -0.02359 units per year.

Mann-Kendall statistic = -59 critical = -92

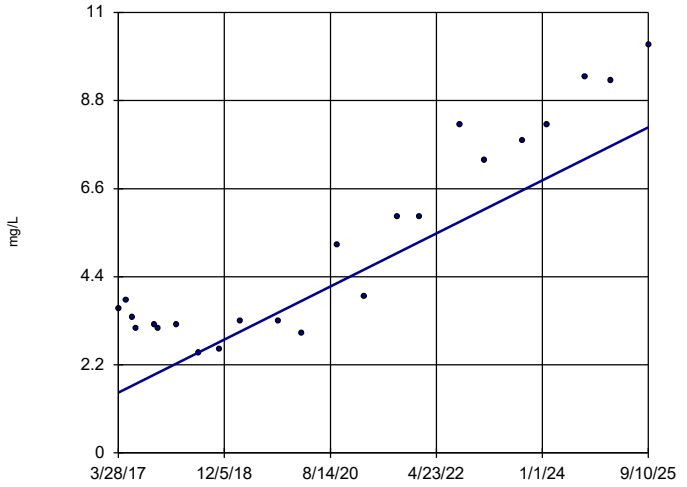
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-71 (bg)



n = 23

Slope = 0.7835 units per year.

Mann-Kendall statistic = 152 critical = 98

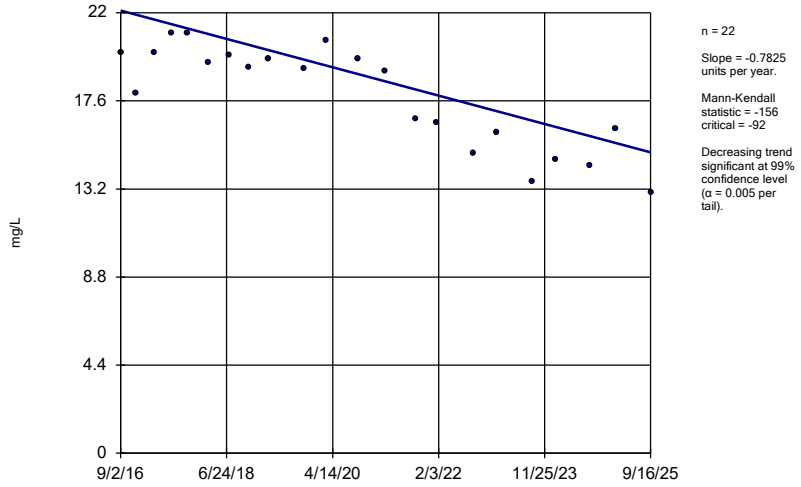
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-40



n = 22

Slope = -0.7825 units per year.

Mann-Kendall statistic = -156 critical = -92

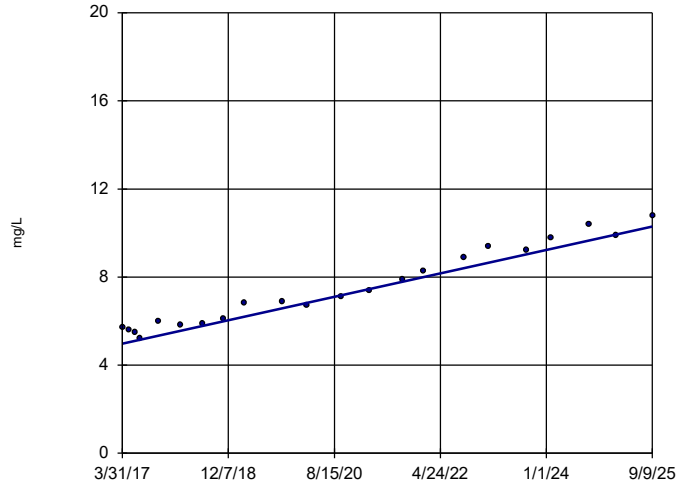
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-67



n = 22

Slope = 0.6282 units per year.

Mann-Kendall statistic = 207 critical = 92

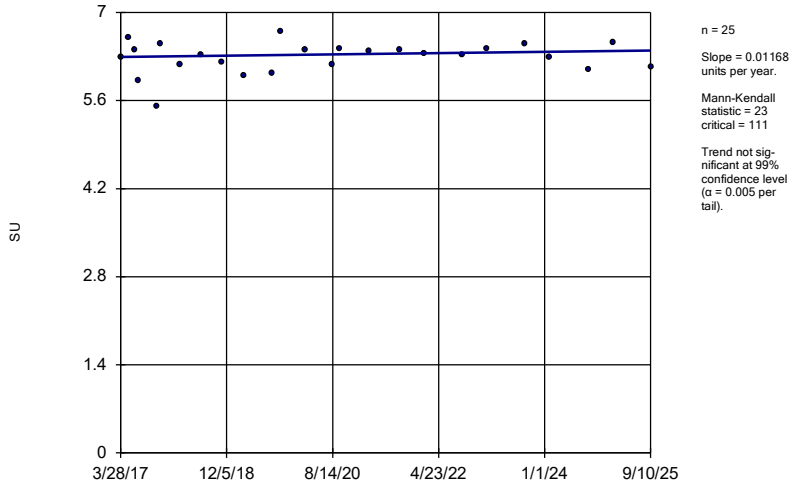
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-53 (bg)



n = 25

Slope = 0.01168 units per year.

Mann-Kendall statistic = 23 critical = 111

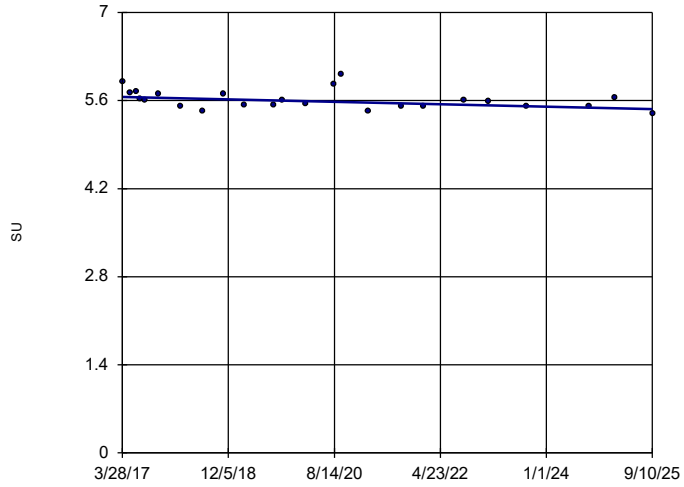
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-70A (bg)



n = 24

Slope = -0.02274 units per year.

Mann-Kendall statistic = -88 critical = -105

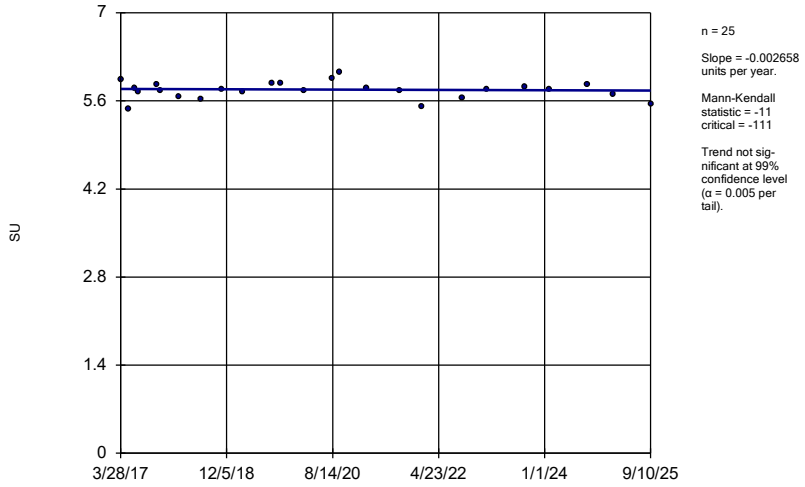
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-71 (bg)



n = 25

Slope = -0.002658 units per year.

Mann-Kendall statistic = -11
critical = -111

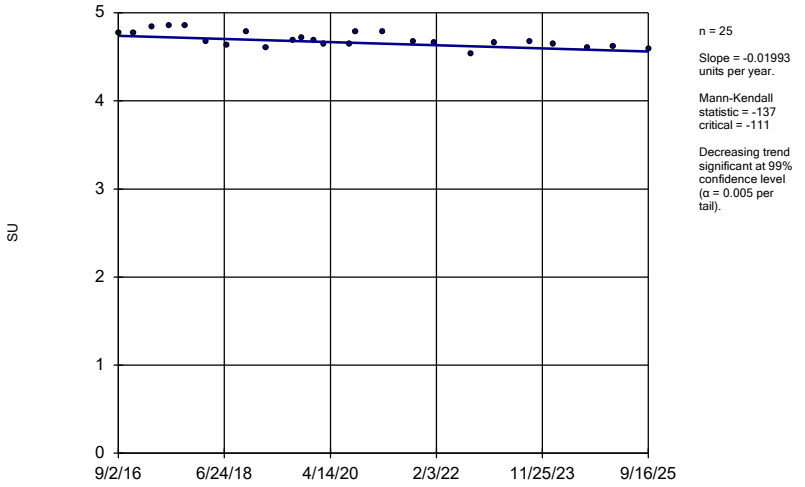
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-40



n = 25

Slope = -0.01993 units per year.

Mann-Kendall statistic = -137
critical = -111

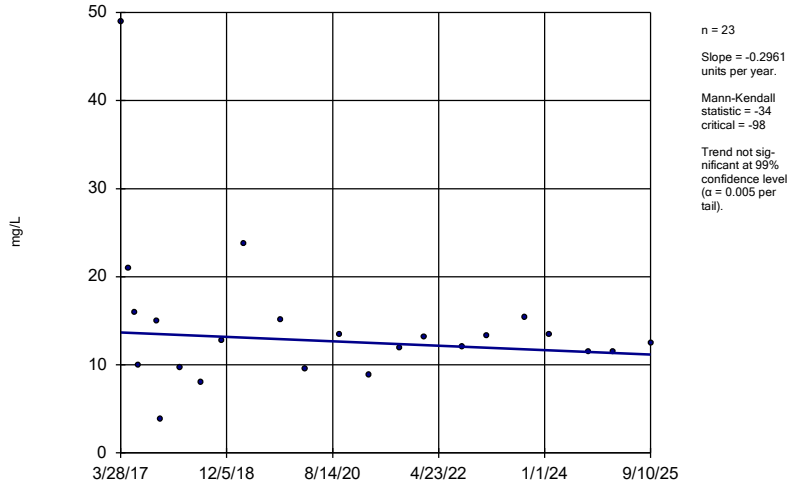
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-53 (bg)



n = 23

Slope = -0.2961 units per year.

Mann-Kendall statistic = -34
critical = -98

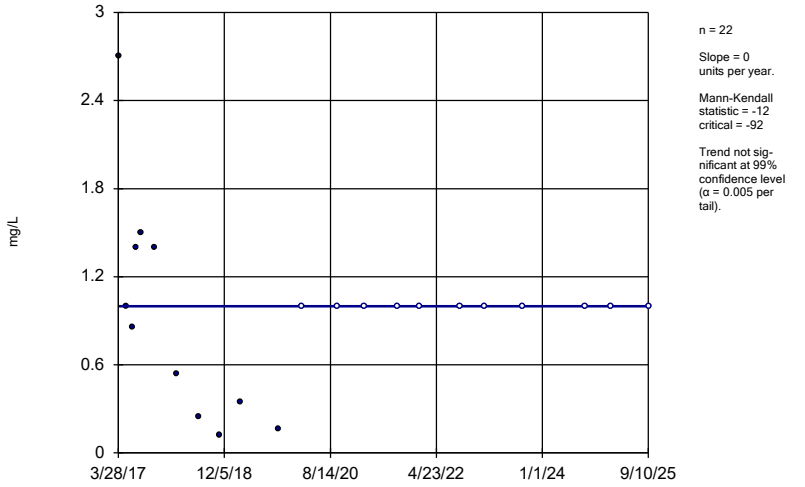
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/19/2025 10:27 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-70A (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -12
critical = -92

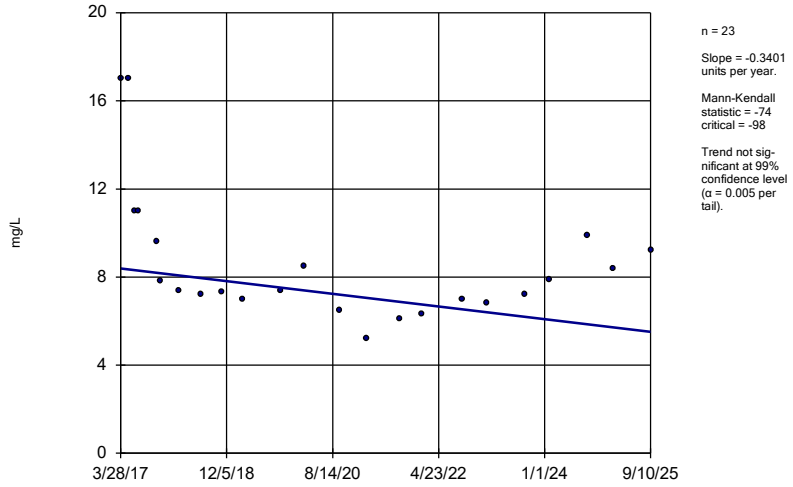
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-71 (bg)



n = 23

Slope = -0.3401 units per year.

Mann-Kendall statistic = -74
critical = -98

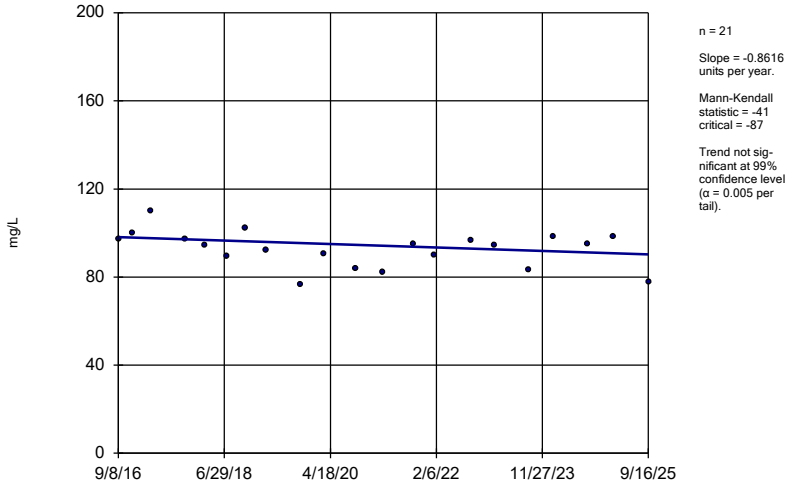
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-37



n = 21

Slope = -0.8616 units per year.

Mann-Kendall statistic = -41
critical = -87

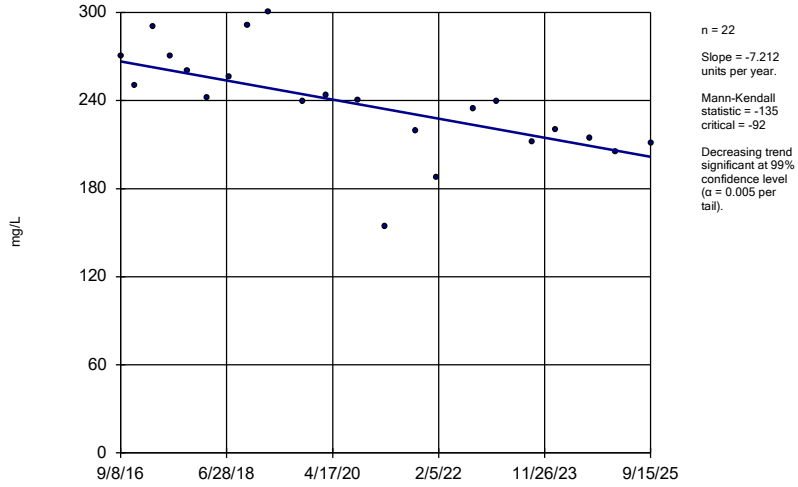
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-38



n = 22

Slope = -7.212 units per year.

Mann-Kendall statistic = -135
critical = -92

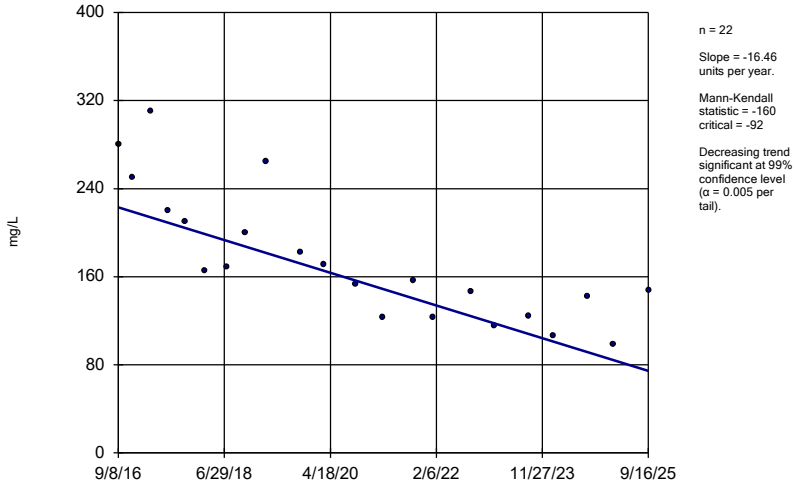
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-39



n = 22

Slope = -16.46 units per year.

Mann-Kendall statistic = -160
critical = -92

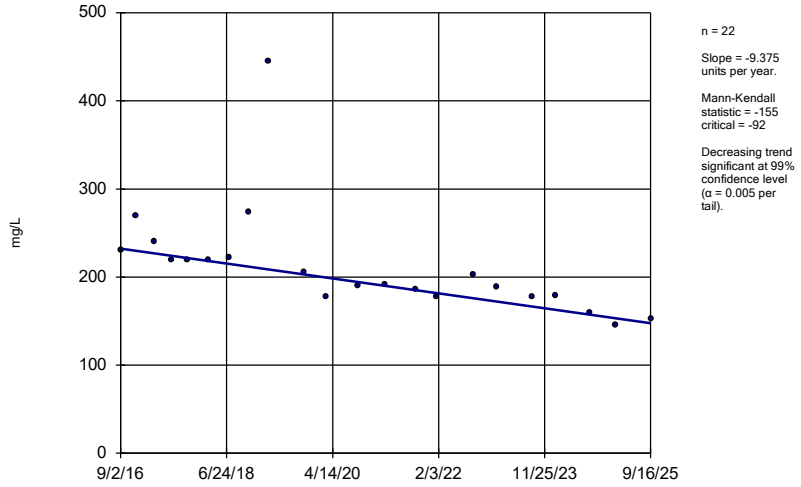
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-40



n = 22

Slope = -9.375 units per year.

Mann-Kendall statistic = -155 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

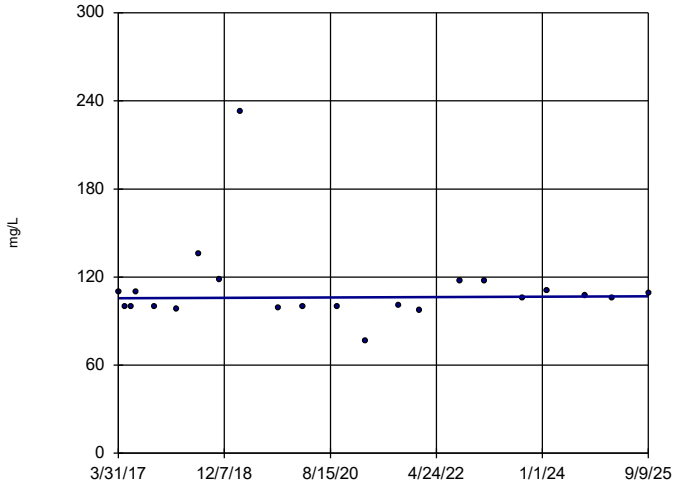
Constituent: Sulfate Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-67



n = 22

Slope = 0.1525 units per year.

Mann-Kendall statistic = 12 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

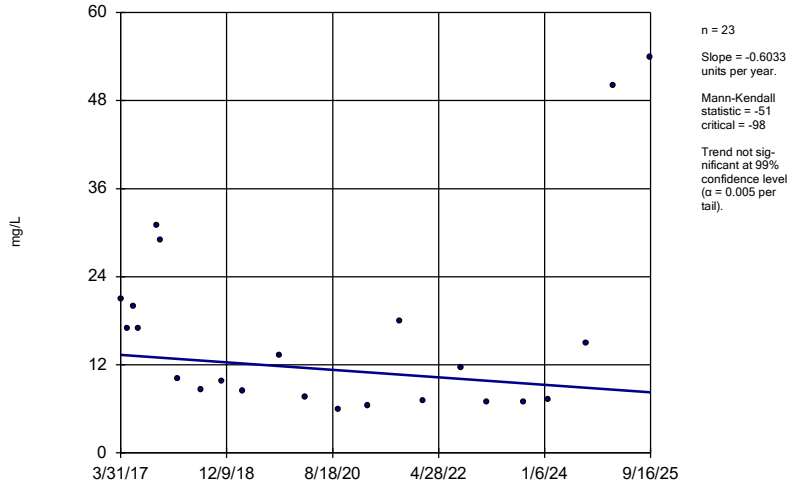
Constituent: Sulfate Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing

Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

DGWC-69



n = 23

Slope = -0.6033 units per year.

Mann-Kendall statistic = -51 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

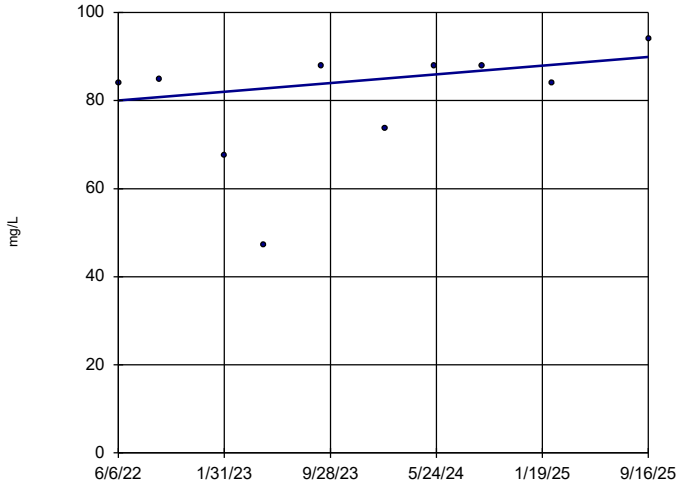
Constituent: Sulfate Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-121



n = 10

Slope = 3.013 units per year.

Mann-Kendall statistic = 18 critical = 30

Trend not significant at 99% confidence level (α = 0.005 per tail).

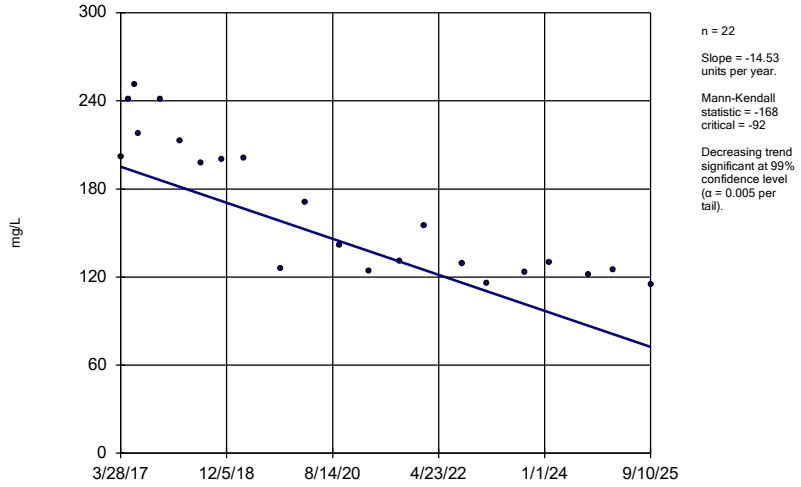
Constituent: Sulfate Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-53 (bg)



n = 22

Slope = -14.53 units per year.

Mann-Kendall statistic = -168
critical = -92

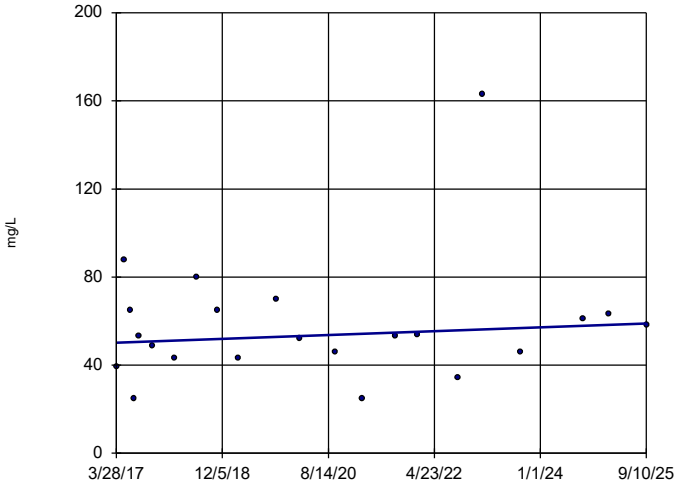
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-70A (bg)



n = 22

Slope = 1.031 units per year.

Mann-Kendall statistic = 16
critical = 92

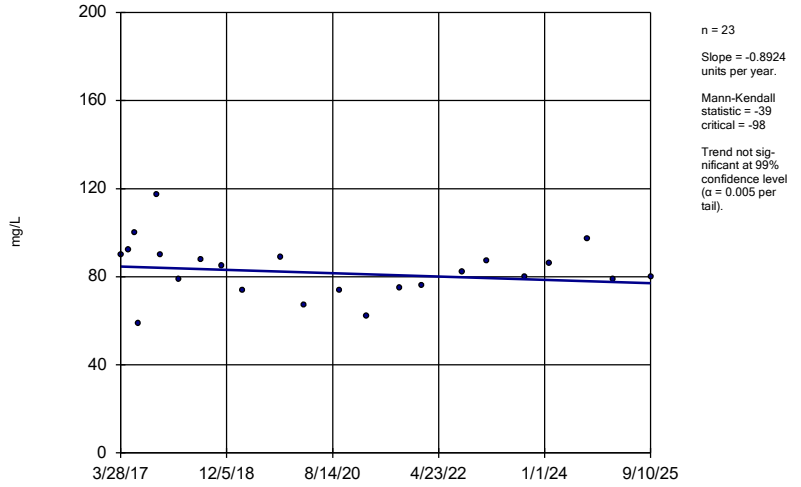
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWA-71 (bg)



n = 23

Slope = -0.8924 units per year.

Mann-Kendall statistic = -39
critical = -98

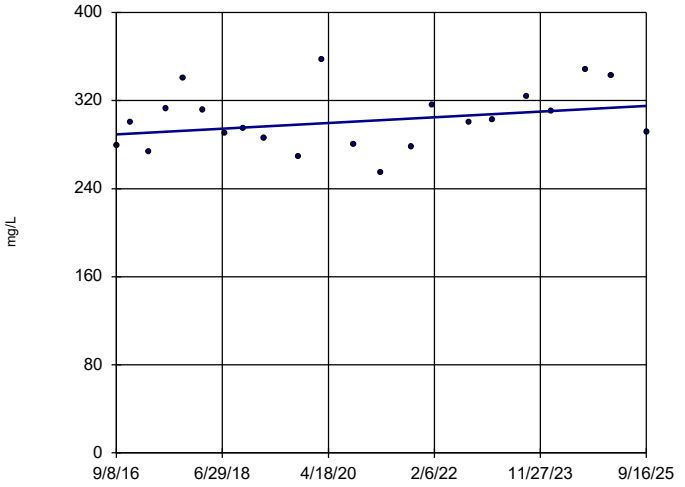
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-37



n = 22

Slope = 2.866 units per year.

Mann-Kendall statistic = 44
critical = 92

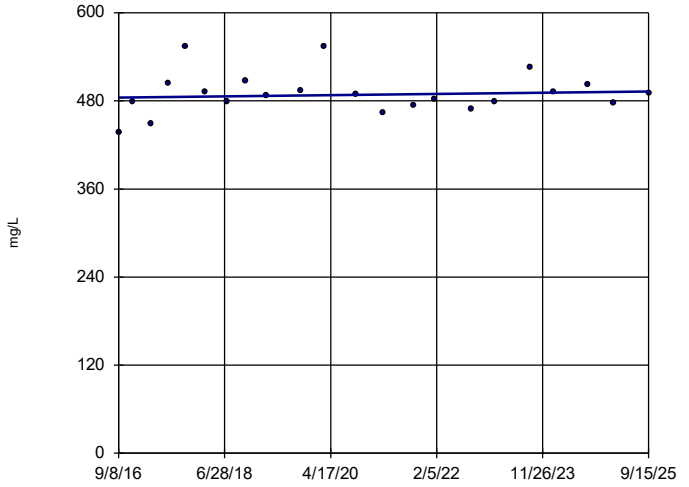
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-38



n = 22

Slope = 0.8953 units per year.

Mann-Kendall statistic = 14
critical = 92

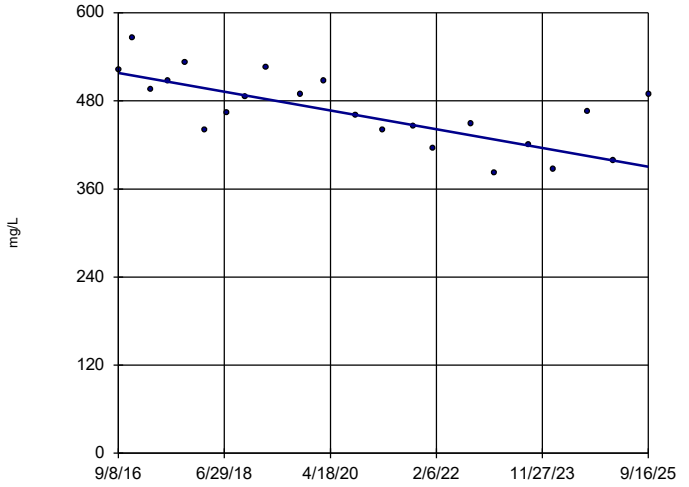
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-39



n = 22

Slope = -14.13 units per year.

Mann-Kendall statistic = -114
critical = -92

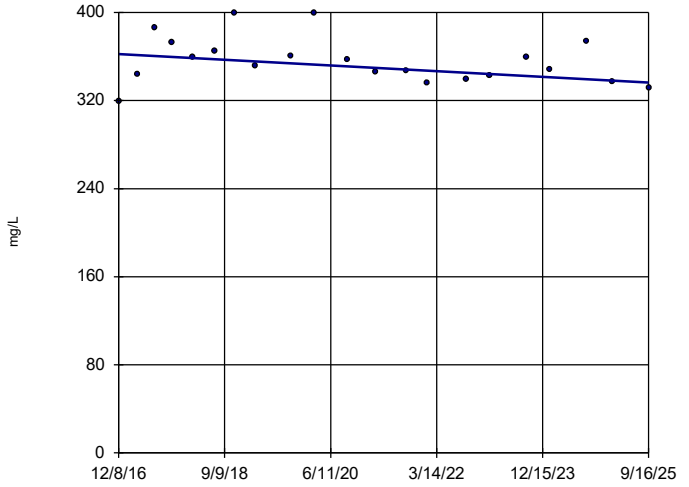
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-40



n = 21

Slope = -2.927 units per year.

Mann-Kendall statistic = -51
critical = -87

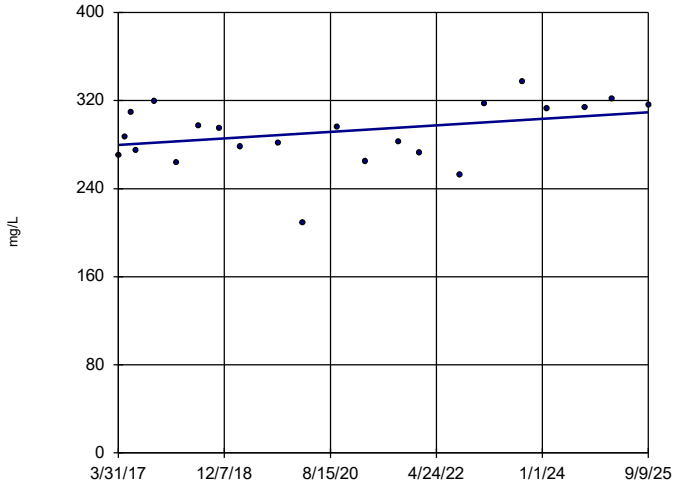
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-67



n = 22

Slope = 3.48 units per year.

Mann-Kendall statistic = 57
critical = 92

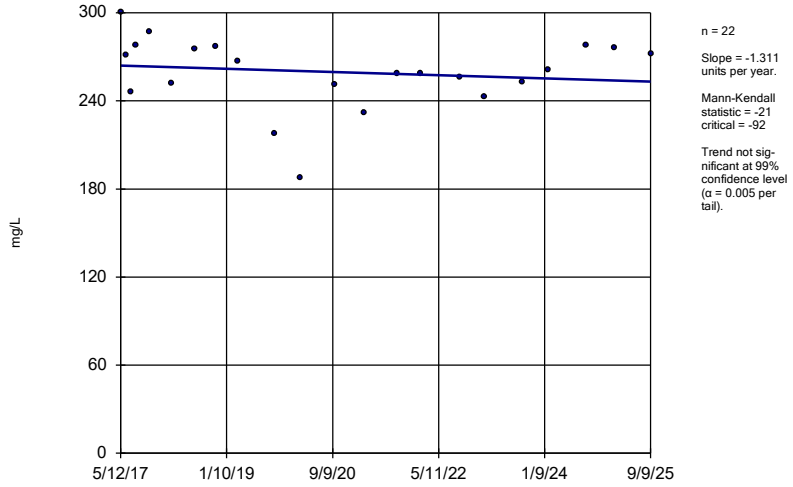
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-68A



n = 22

Slope = -1.311 units per year.

Mann-Kendall statistic = -21 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

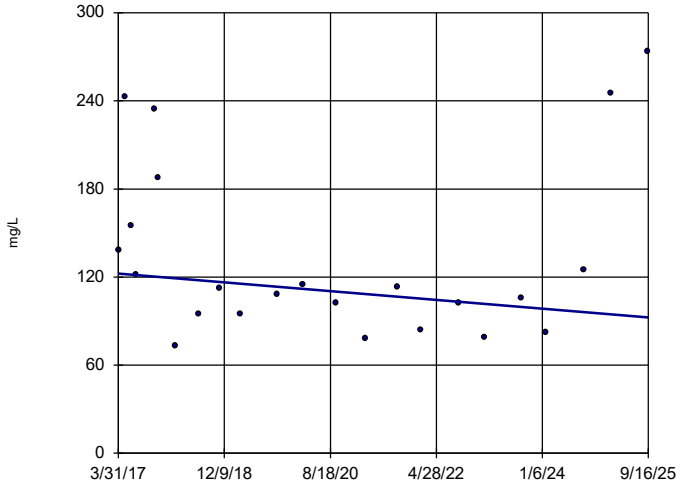
Constituent: TDS Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-69



n = 23

Slope = -3.544 units per year.

Mann-Kendall statistic = -33 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

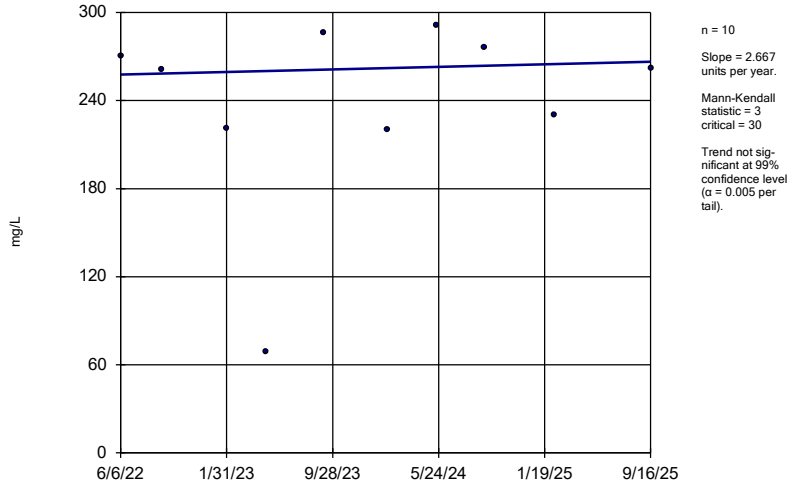
Constituent: TDS Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing

Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-121



n = 10

Slope = 2.667 units per year.

Mann-Kendall statistic = 3 critical = 30

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 11/19/2025 10:28 AM View: Appendix III - Trend Testing

Plant McDonough Client: Southern Company Data: McDonough AP-1

FIGURE G.

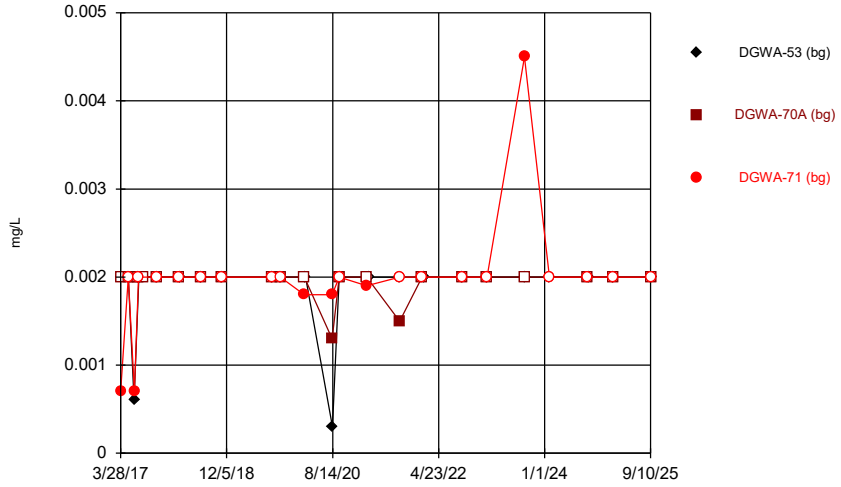
Upper Tolerance Limits

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:33 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0045	n/a	n/a	n/a	69	85.51	n/a	0.02904	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.0054	n/a	n/a	n/a	69	76.81	n/a	0.02904	NP Inter(NDs)
Barium (mg/L)	n/a	0.19	n/a	n/a	n/a	69	0	n/a	0.02904	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0004	n/a	n/a	n/a	70	57.14	n/a	0.02758	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	70	94.29	n/a	0.02758	NP Inter(NDs)
Chromium (mg/L)	n/a	0.005	n/a	n/a	n/a	68	75	n/a	0.03056	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.016	n/a	n/a	n/a	61	54.1	n/a	0.04377	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	4.413	n/a	n/a	n/a	69	0	x^(1/3)	0.05	Inter
Fluoride (mg/L)	n/a	0.42	n/a	n/a	n/a	73	41.1	n/a	0.02365	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	69	86.96	n/a	0.02904	NP Inter(NDs)
Lithium (mg/L)	n/a	0.011	n/a	n/a	n/a	69	34.78	n/a	0.02904	NP Inter(normality)
Mercury (mg/L)	n/a	0.0004	n/a	n/a	n/a	69	82.61	n/a	0.02904	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.0409	n/a	n/a	n/a	69	65.22	n/a	0.02904	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	69	100	n/a	0.02904	NP Inter(NDs)
Thallium (mg/L)	n/a	0.00053	n/a	n/a	n/a	69	95.65	n/a	0.02904	NP Inter(NDs)

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Hollow symbols indicate censored values.

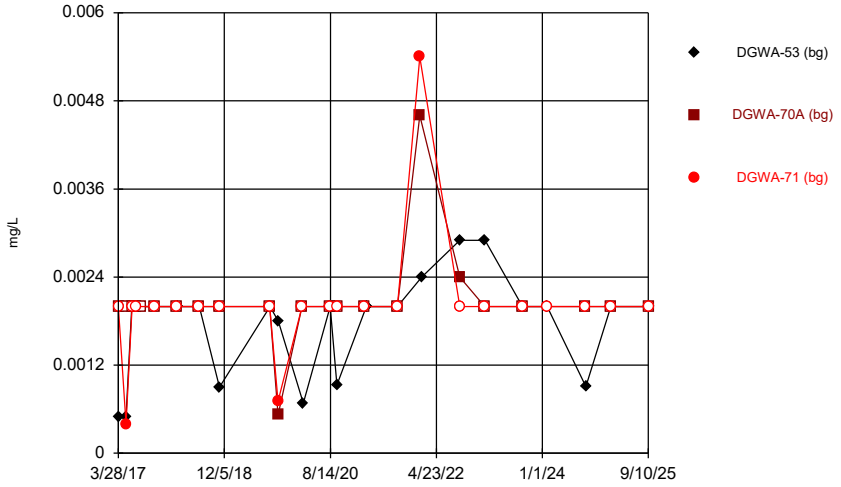
Time Series



Constituent: Antimony Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

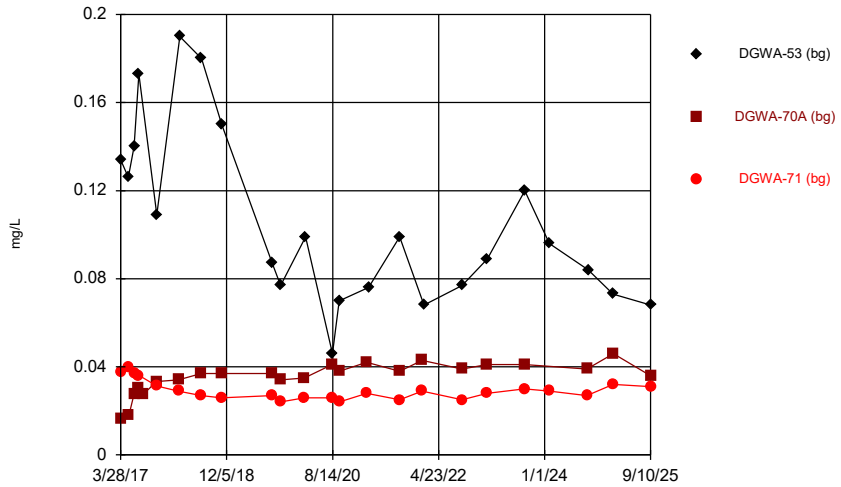
Time Series



Constituent: Arsenic Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

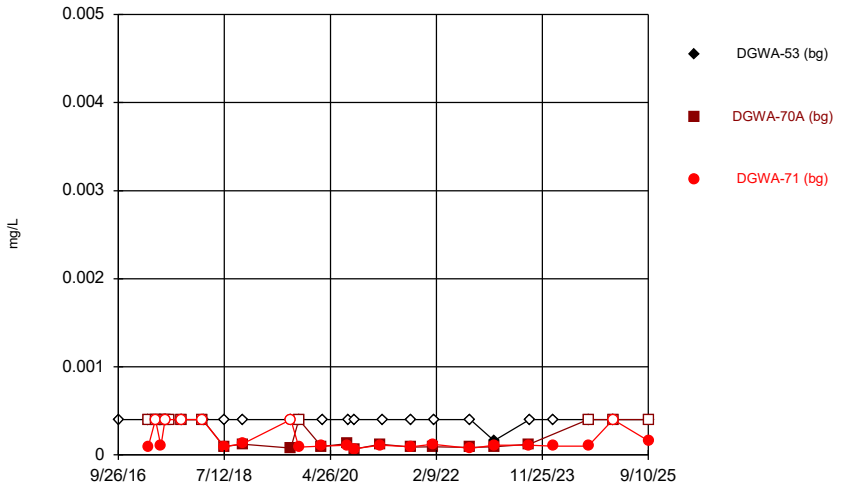
Time Series



Constituent: Barium Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

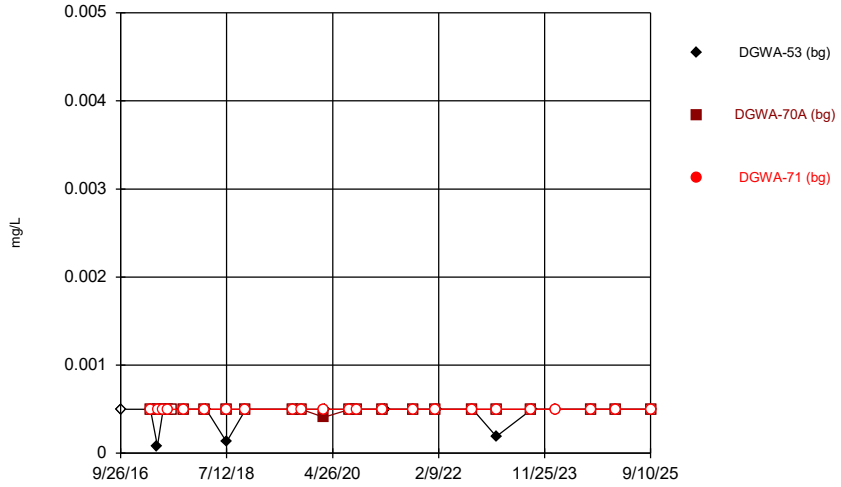
Time Series



Constituent: Beryllium Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

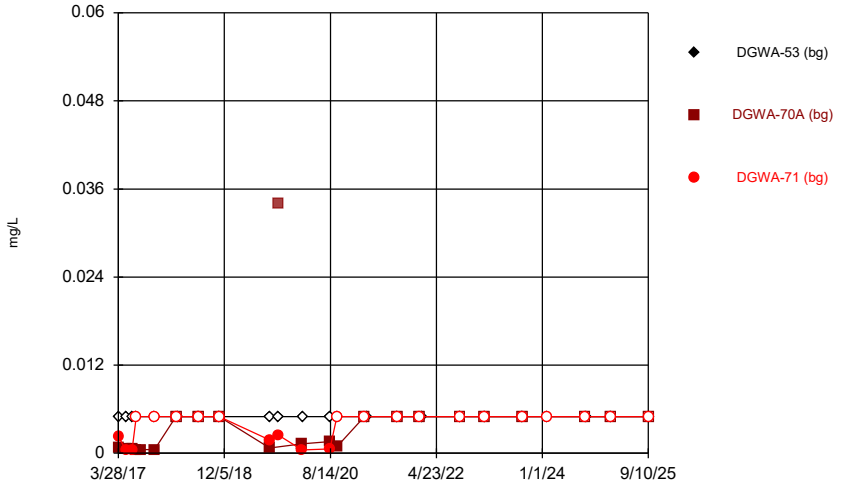
Time Series



Constituent: Cadmium Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

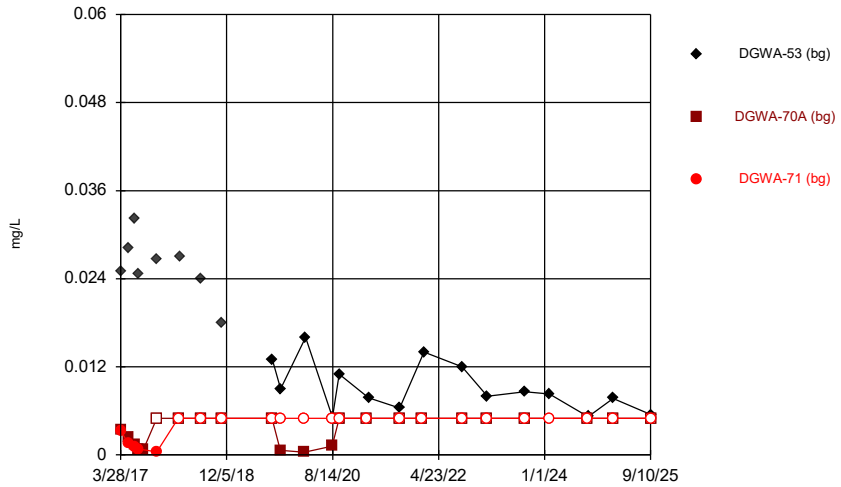
Time Series



Constituent: Chromium Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

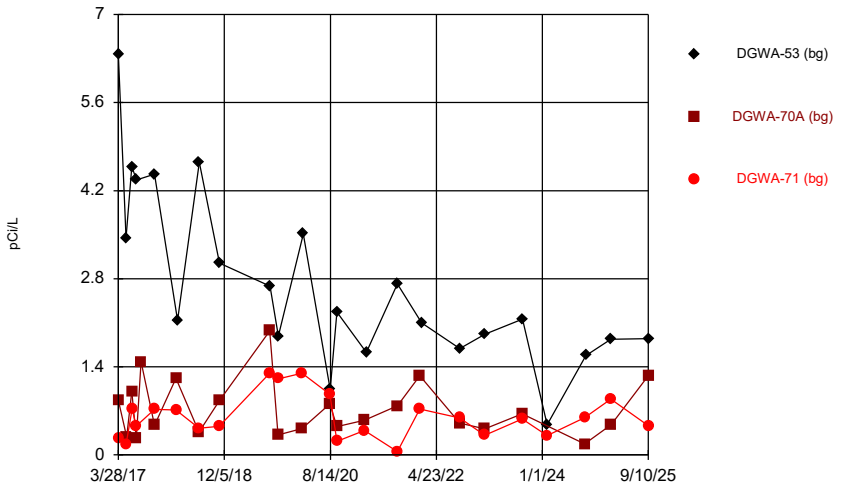
Time Series



Constituent: Cobalt Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

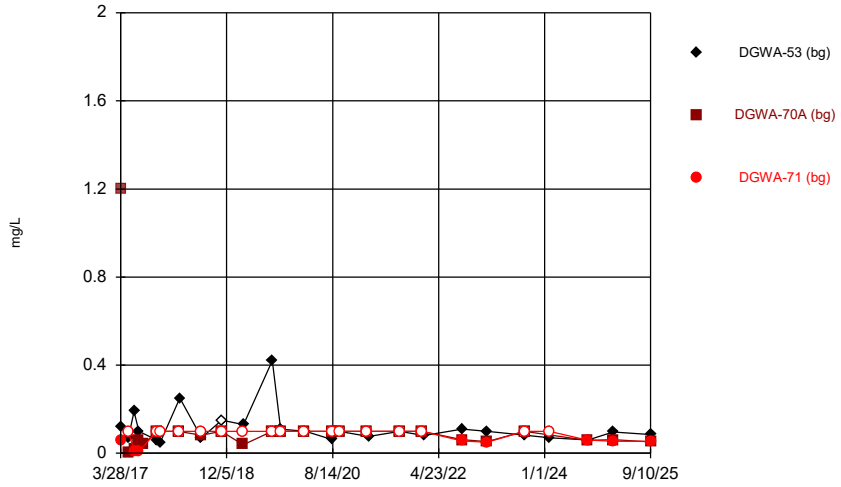
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

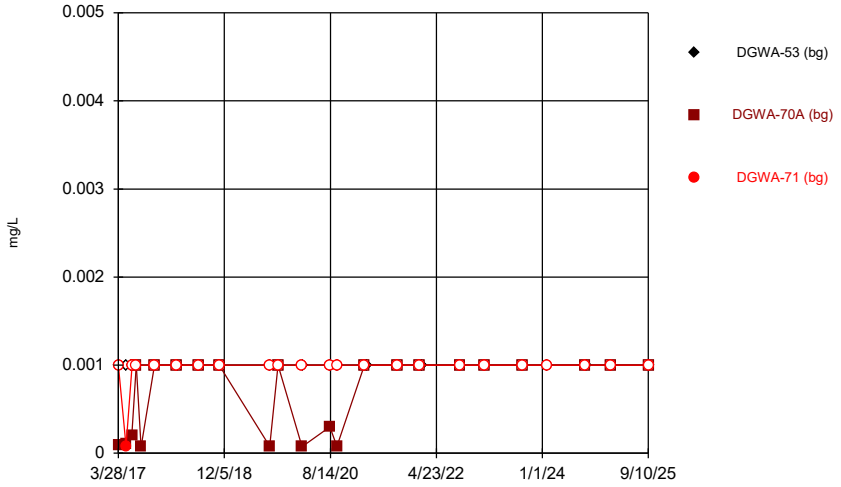
Time Series



Constituent: Fluoride Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

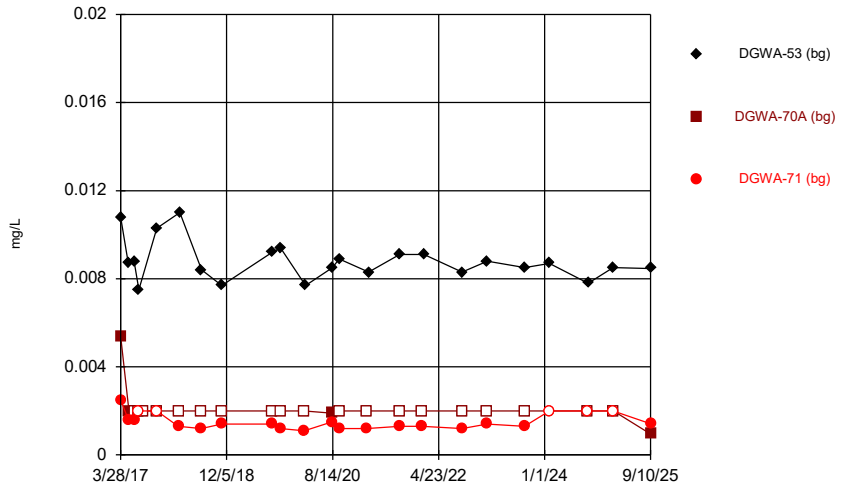
Time Series



Constituent: Lead Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

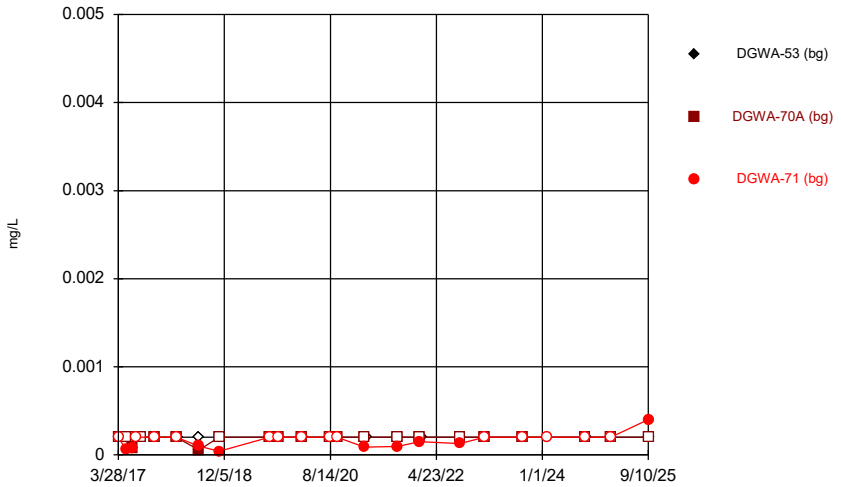
Time Series



Constituent: Lithium Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

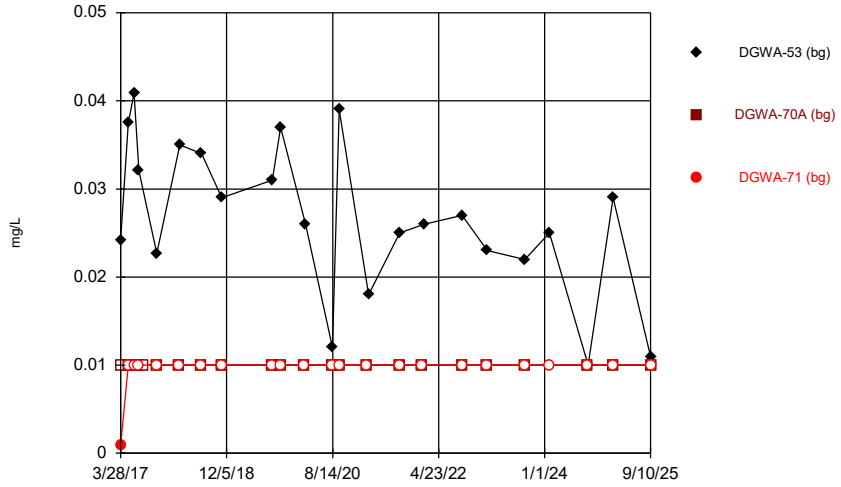
Time Series



Constituent: Mercury Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

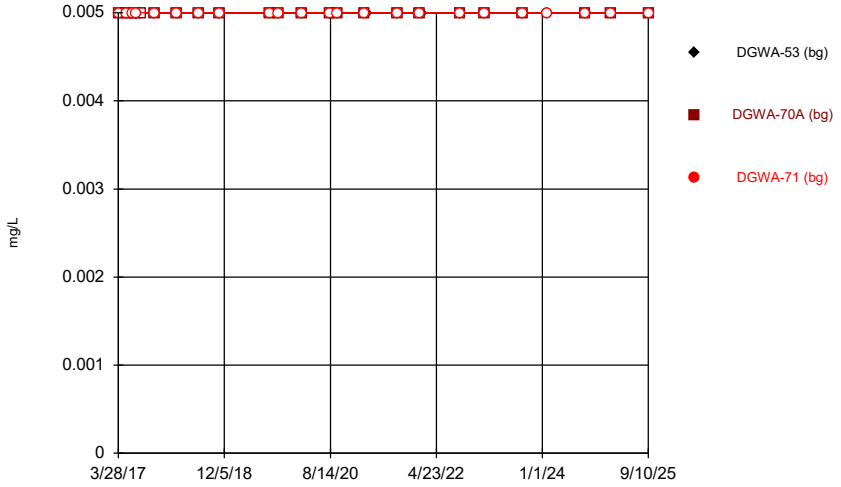
Time Series



Constituent: Molybdenum Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

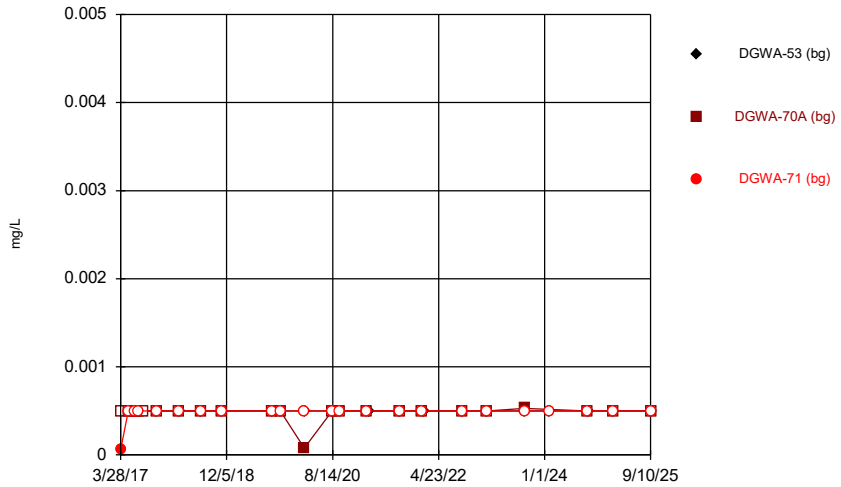
Time Series



Constituent: Selenium Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

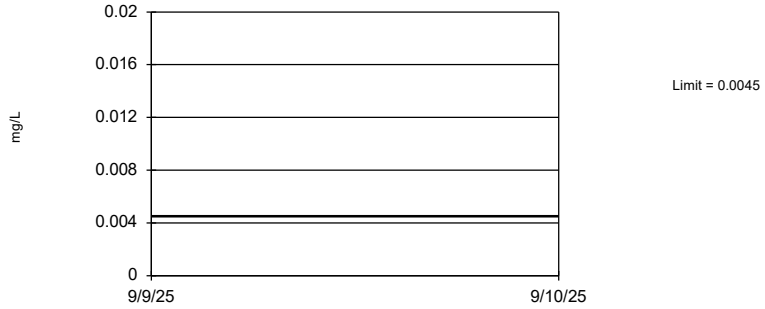


Constituent: Thallium Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



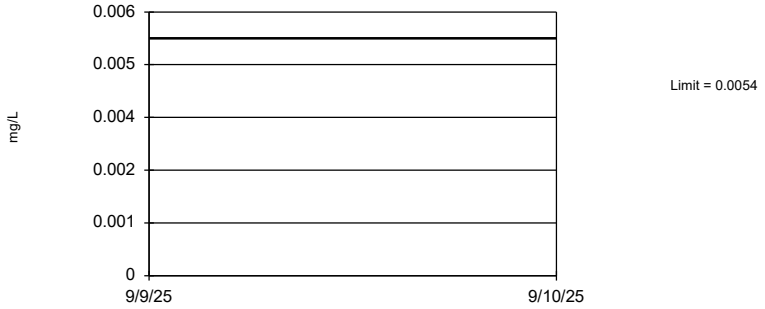
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 69 background values. 85.51% NDs. 93.55% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02904.

Constituent: Antimony Analysis Run 11/19/2025 10:31 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 69 background values. 76.81% NDs. 93.55% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02904.

Constituent: Arsenic Analysis Run 11/19/2025 10:31 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



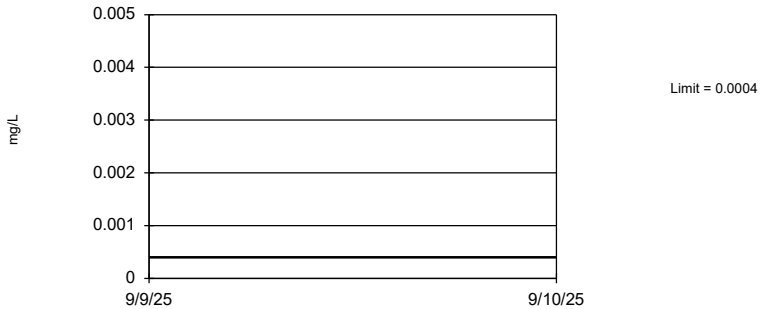
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 69 background values. 93.55% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02904.

Constituent: Barium Analysis Run 11/19/2025 10:31 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



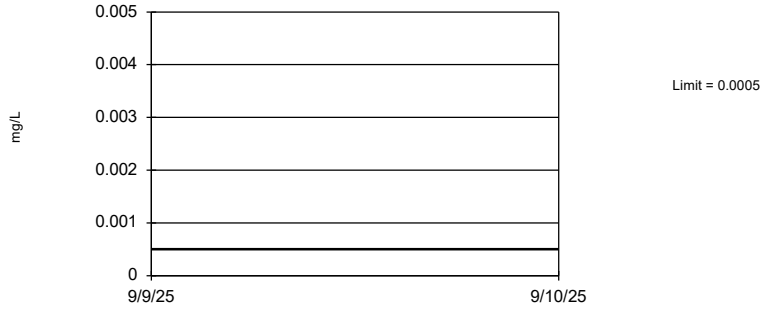
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 70 background values. 57.14% NDs. 93.55% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02758.

Constituent: Beryllium Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



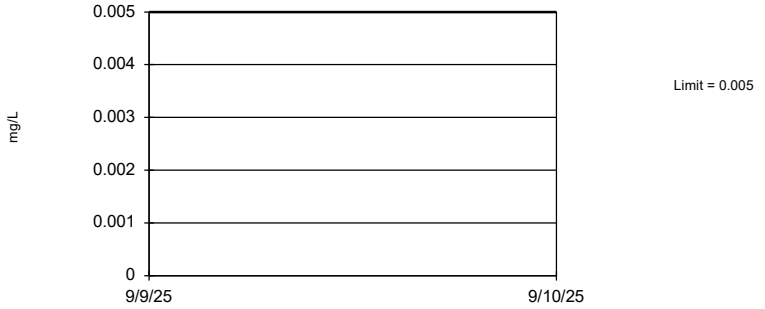
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 70 background values. 94.29% NDs. 93.55% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02758.

Constituent: Cadmium Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to 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 68 background values. 75% NDs. 93.55% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.03056.

Constituent: Chromium Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



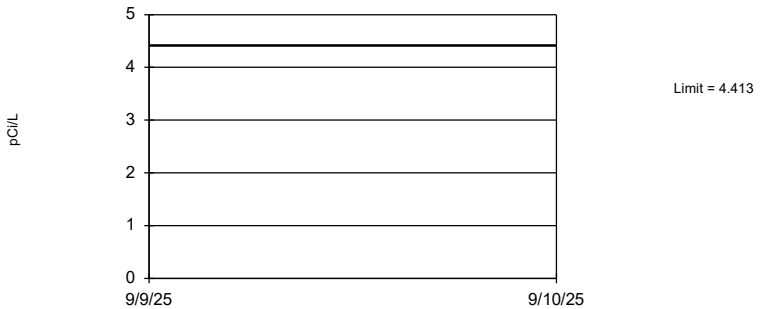
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 61 background values. 54.1% NDs. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04377.

Constituent: Cobalt Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Parametric



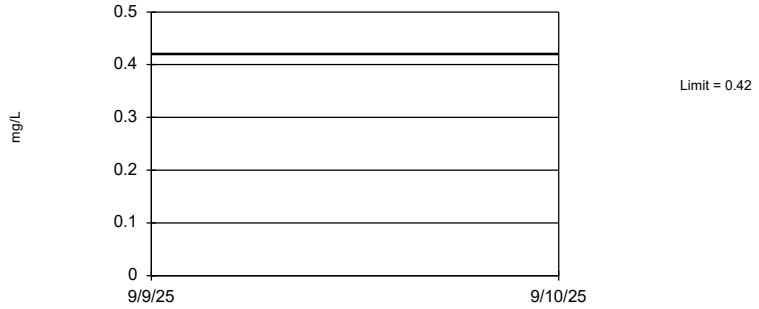
95% coverage. Background Data Summary (based on cube root transformation): Mean=1.01, Std. Dev.=0.3168, n=69. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9633, critical = 0.951. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



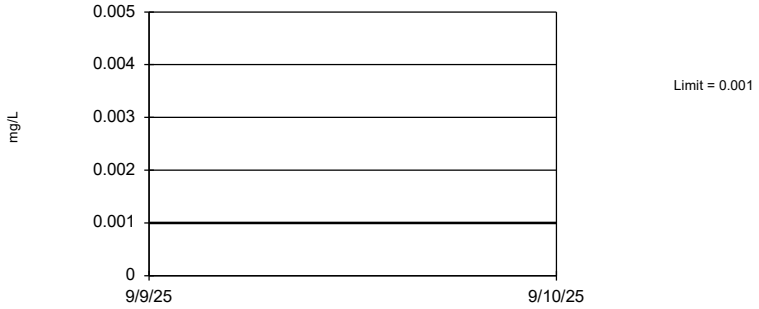
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 73 background values. 41.1% NDs. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02365.

Constituent: Fluoride Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



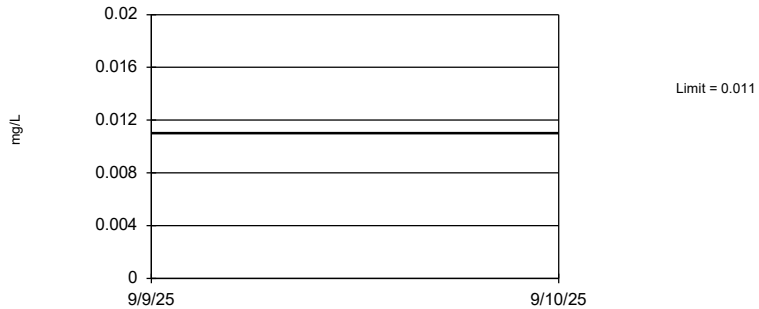
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 69 background values. 86.96% NDs. 93.55% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02904.

Constituent: Lead Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



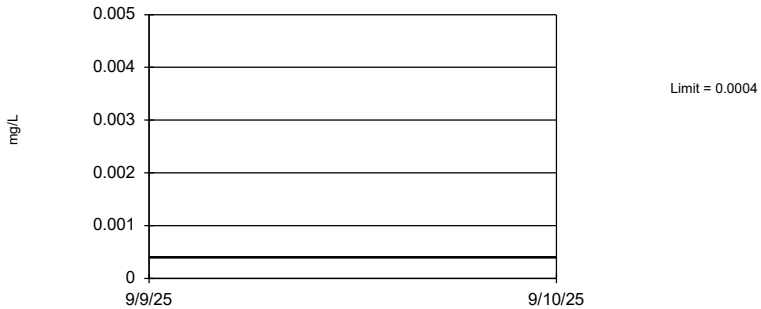
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 69 background values. 34.78% NDs. 93.55% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02904.

Constituent: Lithium Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to 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 69 background values. 82.61% NDs. 93.55% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02904.

Constituent: Mercury Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



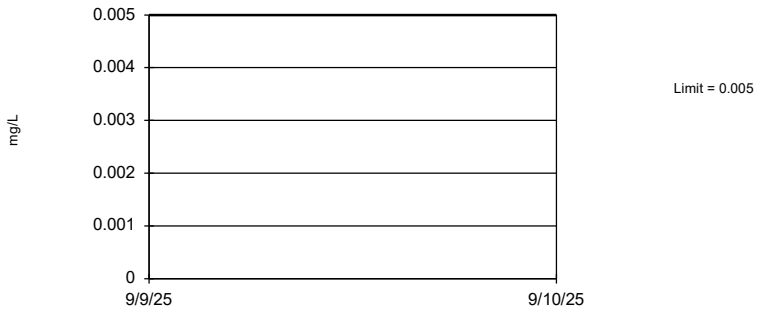
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 69 background values. 65.22% NDs. 93.55% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02904.

Constituent: Molybdenum Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



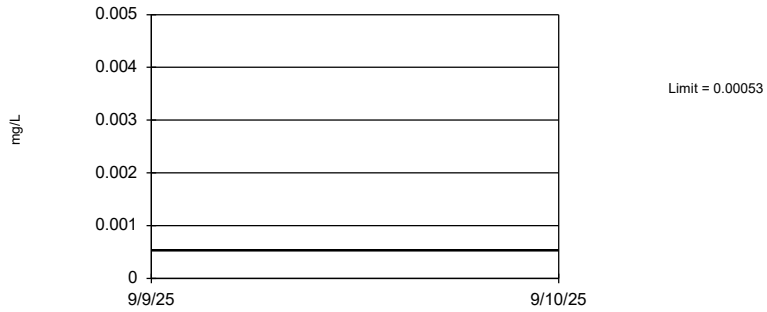
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. 93.55% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02904.

Constituent: Selenium Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to 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 69 background values. 95.65% NDs. 93.55% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02904.

Constituent: Thallium Analysis Run 11/19/2025 10:32 AM View: Appendix IV - UTLs
Plant McDonough Client: Southern Company Data: McDonough AP-1

FIGURE H.

PLANT MCDONOUGH ASH POND AP-1 GWPS TABLE				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0045	0.006
Arsenic, Total (mg/L)	0.01		0.0054	0.01
Barium, Total (mg/L)	2		0.19	2
Beryllium, Total (mg/L)	0.004		0.0004	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.005	0.1
Cobalt, Total (mg/L)		0.006	0.016	0.016
Combined Radium, Total (pCi/L)	5		4.41	5
Fluoride, Total (mg/L)	4		0.42	4
Lead, Total (mg/L)		0.015	0.001	0.015
Lithium, Total (mg/L)		0.04	0.011	0.04
Mercury, Total (mg/L)	0.002		0.0004	0.002
Molybdenum, Total (mg/L)		0.1	0.041	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.00053	0.002

**Highlighted cells indicated Background is higher than MCLs or CCR-Rule*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residual*

**GWPS = Groundwater Protection Standard*

FIGURE I.

Confidence Intervals - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:38 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Arsenic (mg/L)	**DGWC-69**	**0.029**	**0.017**	**0.01**	**Yes**	**25**	**0**	**No**	**0.01**	**NP (normality)**
Cobalt (mg/L)	**DGWC-40**	**0.04297**	**0.03715**	**0.016**	**Yes**	**23**	**0**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**B-100**	**0.077**	**0.028**	**0.016**	**Yes**	**14**	**7.143**	**No**	**0.01**	**NP (normality)**
Molybdenum (mg/L)	**DGWC-68A**	**0.2138**	**0.193**	**0.1**	**Yes**	**23**	**0**	**ln(x)**	**0.01**	**Param.**

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:38 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	DGWC-37	0.002	0.0014	0.006	No	22	95.45	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-39	0.002	0.00088	0.006	No	22	90.91	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-40	0.002	0.00033	0.006	No	22	95.45	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-67	0.0023	0.0008	0.006	No	22	81.82	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-68A	0.002	0.0008	0.006	No	22	90.91	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-69	0.002	0.0019	0.006	No	23	86.96	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-121	0.002	0.00082	0.006	No	10	80	No	0.011	NP (NDs)
Antimony (mg/L)	B-100	0.002	0.0017	0.006	No	12	83.33	No	0.01	NP (NDs)
Antimony (mg/L)	B-105D	0.002	0.00069	0.006	No	11	63.64	No	0.006	NP (NDs)
Antimony (mg/L)	B-112D	0.002	0.002	0.006	No	10	90	No	0.011	NP (NDs)
Antimony (mg/L)	B-62	0.002	0.00046	0.006	No	15	93.33	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-37	0.002	0.0019	0.01	No	23	91.3	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-38	0.002	0.0005	0.01	No	23	95.65	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-39	0.002	0.0009	0.01	No	23	60.87	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-40	0.003	0.0011	0.01	No	23	82.61	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-67	0.0033	0.0008	0.01	No	23	86.96	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-68A	0.002	0.0016	0.01	No	24	91.67	No	0.01	NP (NDs)
Arsenic (mg/L)	**DGWC-69**	**0.029**	**0.017**	**0.01**	**Yes**	**25**	**0**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	B-100	0.005	0.0015	0.01	No	13	92.31	No	0.01	NP (NDs)
Arsenic (mg/L)	B-105D	0.0026	0.002	0.01	No	11	72.73	No	0.006	NP (NDs)
Arsenic (mg/L)	B-112D	0.002	0.002	0.01	No	10	80	No	0.011	NP (NDs)
Arsenic (mg/L)	B-62	0.0033	0.002	0.01	No	15	93.33	No	0.01	NP (NDs)
Barium (mg/L)	DGWC-37	0.102	0.08425	2	No	23	0	No	0.01	Param.
Barium (mg/L)	DGWC-38	0.03277	0.03026	2	No	23	0	x^2	0.01	Param.
Barium (mg/L)	DGWC-39	0.1011	0.08835	2	No	23	0	No	0.01	Param.
Barium (mg/L)	DGWC-40	0.018	0.0168	2	No	23	0	No	0.01	NP (normality)
Barium (mg/L)	DGWC-67	0.1047	0.0878	2	No	23	0	No	0.01	Param.
Barium (mg/L)	DGWC-68A	0.099	0.0878	2	No	23	0	No	0.01	NP (normality)
Barium (mg/L)	DGWC-69	0.09695	0.06544	2	No	24	0	No	0.01	Param.
Barium (mg/L)	DGWC-121	0.05049	0.04311	2	No	10	0	No	0.01	Param.
Barium (mg/L)	B-100	0.027	0.019	2	No	12	0	No	0.01	NP (normality)
Barium (mg/L)	B-105D	0.03914	0.03341	2	No	11	0	No	0.01	Param.
Barium (mg/L)	B-112D	0.0045	0.0027	2	No	10	0	No	0.011	NP (normality)
Barium (mg/L)	B-62	0.02313	0.01714	2	No	15	0	No	0.01	Param.
Beryllium (mg/L)	DGWC-37	0.0004	0.00007	0.004	No	23	60.87	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-38	0.0004	0.000058	0.004	No	23	91.3	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-40	0.003237	0.002945	0.004	No	23	0	No	0.01	Param.
Beryllium (mg/L)	DGWC-68A	0.0004	0.000084	0.004	No	23	91.3	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-69	0.0004	0.000063	0.004	No	24	62.5	No	0.01	NP (NDs)
Beryllium (mg/L)	B-100	0.0005173	0.0003816	0.004	No	12	16.67	No	0.01	Param.
Beryllium (mg/L)	B-62	0.0001718	0.0001167	0.004	No	16	12.5	No	0.01	Param.
Cadmium (mg/L)	DGWC-37	0.0005	0.00027	0.005	No	23	73.91	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-38	0.00024	0.00017	0.005	No	23	13.04	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-40	0.0008253	0.000739	0.005	No	23	0	No	0.01	Param.
Cadmium (mg/L)	DGWC-67	0.0005	0.00029	0.005	No	23	69.57	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-68A	0.0002458	0.0001595	0.005	No	23	30.43	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-69	0.0005	0.00024	0.005	No	24	75	No	0.01	NP (NDs)
Cadmium (mg/L)	B-100	0.0003674	0.0001657	0.005	No	12	25	No	0.01	Param.
Chromium (mg/L)	DGWC-37	0.005	0.0007	0.1	No	23	91.3	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-38	0.005	0.00092	0.1	No	23	86.96	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-40	0.005	0.00072	0.1	No	23	56.52	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-67	0.005	0.0014	0.1	No	23	82.61	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-68A	0.005	0.0005	0.1	No	23	95.65	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-69	0.005	0.0013	0.1	No	24	79.17	No	0.01	NP (NDs)
Chromium (mg/L)	B-100	0.005	0.00094	0.1	No	12	83.33	No	0.01	NP (NDs)
Chromium (mg/L)	B-105D	0.005	0.005	0.1	No	11	90.91	No	0.006	NP (NDs)
Chromium (mg/L)	B-112D	0.005	0.0014	0.1	No	10	80	No	0.011	NP (NDs)
Chromium (mg/L)	B-62	0.005	0.00098	0.1	No	15	93.33	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-37	0.005	0.0005	0.016	No	23	86.96	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-38	0.001681	0.001528	0.016	No	23	0	No	0.01	Param.
Cobalt (mg/L)	DGWC-39	0.006606	0.00602	0.016	No	23	0	No	0.01	Param.
Cobalt (mg/L)	**DGWC-40**	**0.04297**	**0.03715**	**0.016**	**Yes**	**23**	**0**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	DGWC-67	0.002297	0.001344	0.016	No	23	8.696	ln(x)	0.01	Param.
Cobalt (mg/L)	DGWC-68A	0.005	0.0015	0.016	No	23	86.96	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-69	0.005	0.0031	0.016	No	24	66.67	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-121	0.002017	0.001257	0.016	No	10	0	sqrt(x)	0.01	Param.
Cobalt (mg/L)	**B-100**	**0.077**	**0.028**	**0.016**	**Yes**	**14**	**7.143**	**No**	**0.01**	**NP (normality)**
Cobalt (mg/L)	B-105D	0.006557	0.002614	0.016	No	11	0	sqrt(x)	0.01	Param.

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:38 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Cobalt (mg/L)	B-112D	0.005	0.00054	0.016	No	10	70	No	0.011	NP (NDs)
Cobalt (mg/L)	B-62	0.005	0.00031	0.016	No	15	86.67	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	DGWC-37	0.9816	0.5363	5	No	23	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-38	0.8377	0.3659	5	No	23	0	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-39	1.101	0.5732	5	No	23	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-40	1.308	0.6642	5	No	23	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-67	0.8865	0.5324	5	No	23	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-68A	1.192	0.5866	5	No	23	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-69	1.959	1.19	5	No	24	0	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-121	1.452	0.5233	5	No	10	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-100	0.9911	0.3791	5	No	12	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-105D	4.875	1.914	5	No	11	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-112D	1.374	0.5846	5	No	10	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-62	2.263	1.569	5	No	14	0	No	0.01	Param.
Fluoride (mg/L)	DGWC-37	0.084	0.054	4	No	24	8.333	No	0.01	NP (normality)
Fluoride (mg/L)	DGWC-38	0.1359	0.07951	4	No	24	8.333	ln(x)	0.01	Param.
Fluoride (mg/L)	DGWC-39	0.14	0.085	4	No	24	0	No	0.01	NP (normality)
Fluoride (mg/L)	DGWC-40	0.21	0.12	4	No	24	0	No	0.01	NP (normality)
Fluoride (mg/L)	DGWC-67	0.1	0.067	4	No	24	45.83	No	0.01	NP (normality)
Fluoride (mg/L)	DGWC-68A	0.12	0.076	4	No	24	0	No	0.01	NP (normality)
Fluoride (mg/L)	DGWC-69	0.1639	0.09691	4	No	25	0	No	0.01	Param.
Fluoride (mg/L)	DGWC-121	0.09119	0.06251	4	No	10	30	No	0.01	Param.
Fluoride (mg/L)	B-100	0.1	0.063	4	No	12	66.67	No	0.01	NP (NDs)
Fluoride (mg/L)	B-105D	0.13	0.058	4	No	11	0	No	0.006	NP (normality)
Fluoride (mg/L)	B-112D	0.3254	0.2646	4	No	10	0	No	0.01	Param.
Fluoride (mg/L)	B-62	0.2001	0.1134	4	No	14	0	ln(x)	0.01	Param.
Lead (mg/L)	DGWC-37	0.0014	0.000061	0.015	No	23	91.3	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-38	0.001	0.00014	0.015	No	23	78.26	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-39	0.001	0.00022	0.015	No	23	91.3	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-40	0.001	0.00015	0.015	No	23	65.22	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-67	0.001	0.00025	0.015	No	23	78.26	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-68A	0.0018	0.00035	0.015	No	23	86.96	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-69	0.001	0.00017	0.015	No	24	70.83	No	0.01	NP (NDs)
Lead (mg/L)	B-100	0.001	0.00018	0.015	No	12	75	No	0.01	NP (NDs)
Lead (mg/L)	B-105D	0.001	0.001	0.015	No	11	90.91	No	0.006	NP (NDs)
Lead (mg/L)	B-112D	0.0021	0.001	0.015	No	10	70	No	0.011	NP (NDs)
Lead (mg/L)	B-62	0.0031	0.001	0.015	No	15	93.33	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-37	0.002253	0.001858	0.04	No	23	21.74	No	0.01	Param.
Lithium (mg/L)	DGWC-38	0.003221	0.002913	0.04	No	23	0	No	0.01	Param.
Lithium (mg/L)	DGWC-40	0.0024	0.0021	0.04	No	23	4.348	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-67	0.004808	0.004446	0.04	No	23	0	No	0.01	Param.
Lithium (mg/L)	DGWC-68A	0.002	0.0016	0.04	No	23	82.61	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-69	0.003095	0.002475	0.04	No	24	0	No	0.01	Param.
Lithium (mg/L)	DGWC-121	0.01	0.0045	0.04	No	10	0	No	0.011	NP (normality)
Lithium (mg/L)	B-100	0.002419	0.001708	0.04	No	12	16.67	No	0.01	Param.
Lithium (mg/L)	B-105D	0.01395	0.01227	0.04	No	11	0	No	0.01	Param.
Lithium (mg/L)	B-112D	0.004347	0.003863	0.04	No	10	0	No	0.01	Param.
Lithium (mg/L)	B-62	0.0094	0.0078	0.04	No	15	6.667	No	0.01	NP (normality)
Mercury (mg/L)	DGWC-37	0.0002	0.000091	0.002	No	22	86.36	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-38	0.0002	0.000085	0.002	No	22	86.36	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-39	0.0002	0.000059	0.002	No	22	95.45	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-40	0.0002	0.00009	0.002	No	22	86.36	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-67	0.0002	0.00007	0.002	No	22	95.45	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-68A	0.0002	0.00007	0.002	No	22	95.45	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-69	0.0002	0.00007	0.002	No	23	95.65	No	0.01	NP (NDs)
Mercury (mg/L)	B-100	0.0002	0.0002	0.002	No	11	90.91	No	0.006	NP (NDs)
Mercury (mg/L)	B-105D	0.0002	0.00014	0.002	No	10	80	No	0.011	NP (NDs)
Molybdenum (mg/L)	DGWC-38	0.01	0.0011	0.1	No	23	39.13	No	0.01	NP (normality)
Molybdenum (mg/L)	DGWC-39	0.01	0.0016	0.1	No	23	95.65	No	0.01	NP (NDs)
Molybdenum (mg/L)	DGWC-67	0.01	0.0013	0.1	No	23	95.65	No	0.01	NP (NDs)
Molybdenum (mg/L)	**DGWC-68A**	**0.2138**	**0.193**	**0.1**	**Yes**	**23**	**0**	**ln(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	DGWC-69	0.0117	0.0058	0.1	No	24	0	No	0.01	NP (normality)
Molybdenum (mg/L)	DGWC-121	0.01	0.00092	0.1	No	10	70	No	0.011	NP (NDs)
Molybdenum (mg/L)	B-100	0.19	0.01	0.1	No	12	91.67	No	0.01	NP (NDs)
Molybdenum (mg/L)	B-105D	0.01	0.01	0.1	No	11	90.91	No	0.006	NP (NDs)
Molybdenum (mg/L)	B-112D	0.0324	0.0258	0.1	No	10	0	No	0.01	Param.
Selenium (mg/L)	DGWC-38	0.005	0.0019	0.05	No	23	95.65	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-40	0.003211	0.001972	0.05	No	23	26.09	sqrt(x)	0.01	Param.

Confidence Intervals - All Results

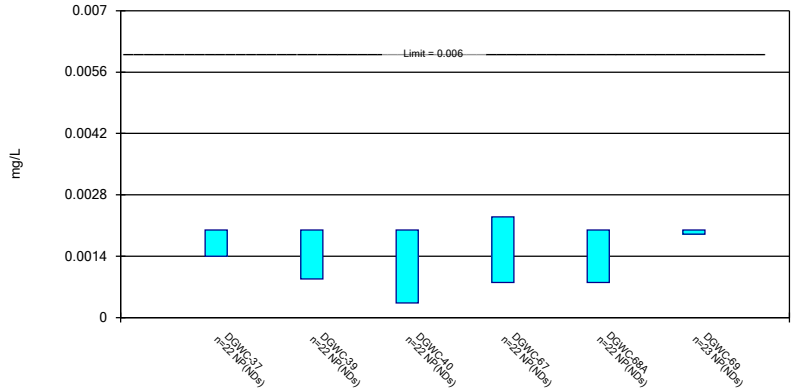
Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:38 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Selenium (mg/L)	DGWC-67	0.005	0.0027	0.05	No	23	95.65	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-68A	0.005	0.0017	0.05	No	23	95.65	No	0.01	NP (NDs)
Selenium (mg/L)	B-100	0.005	0.0019	0.05	No	12	91.67	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-38	0.0005	0.00015	0.002	No	23	60.87	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-39	0.0005	0.0001	0.002	No	23	78.26	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-40	0.0005	0.00019	0.002	No	23	73.91	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-68A	0.0005	0.00015	0.002	No	23	95.65	No	0.01	NP (NDs)
Thallium (mg/L)	B-112D	0.0005	0.0005	0.002	No	10	90	No	0.011	NP (NDs)

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

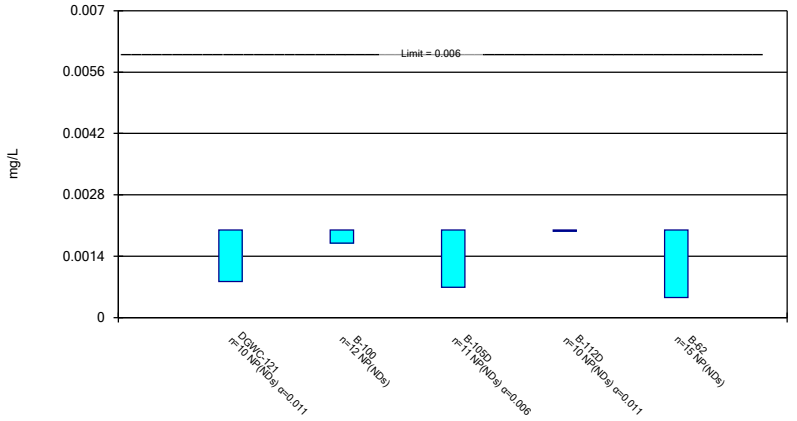


Constituent: Antimony Analysis Run 11/19/2025 10:36 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

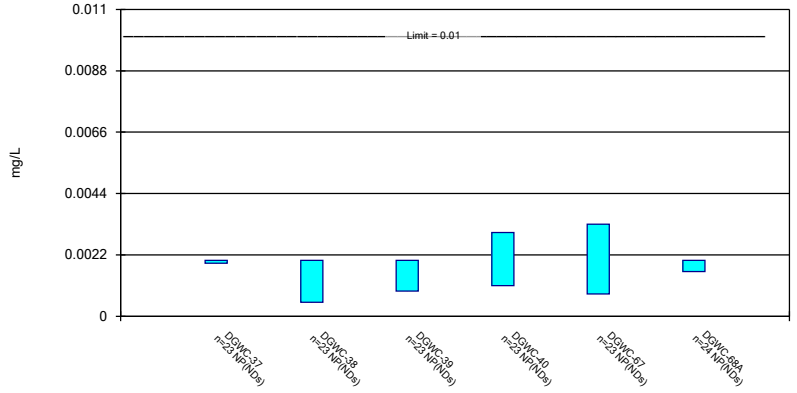


Constituent: Antimony Analysis Run 11/19/2025 10:36 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

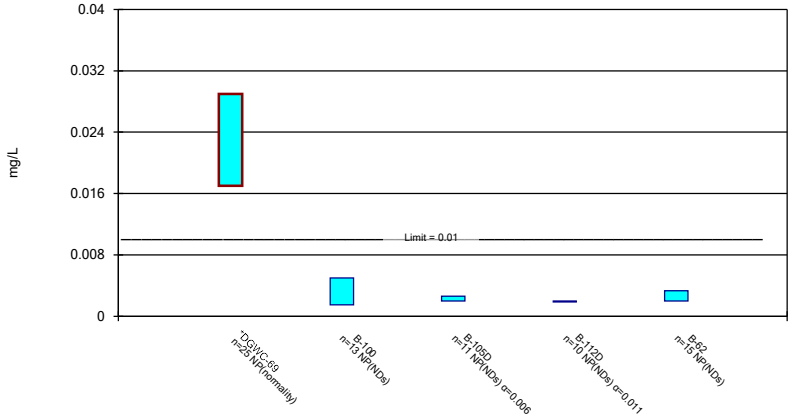


Constituent: Arsenic Analysis Run 11/19/2025 10:36 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Non-Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted.

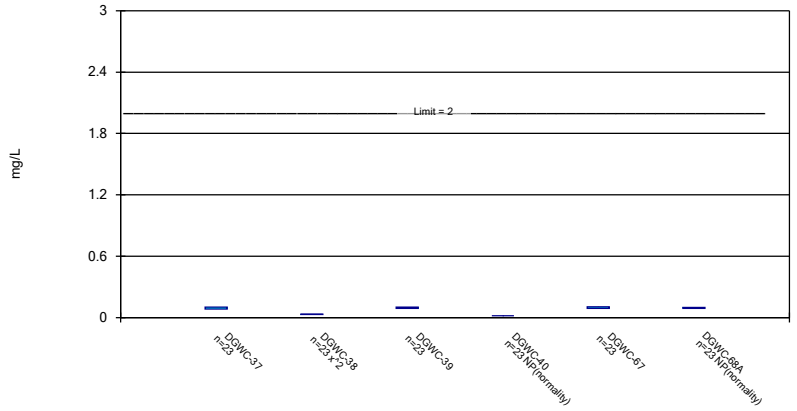


Constituent: Arsenic Analysis Run 11/19/2025 10:36 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

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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.

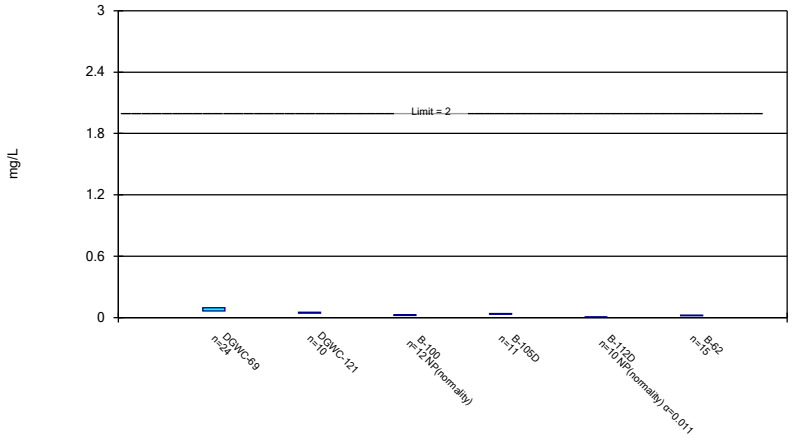


Constituent: Barium Analysis Run 11/19/2025 10:36 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

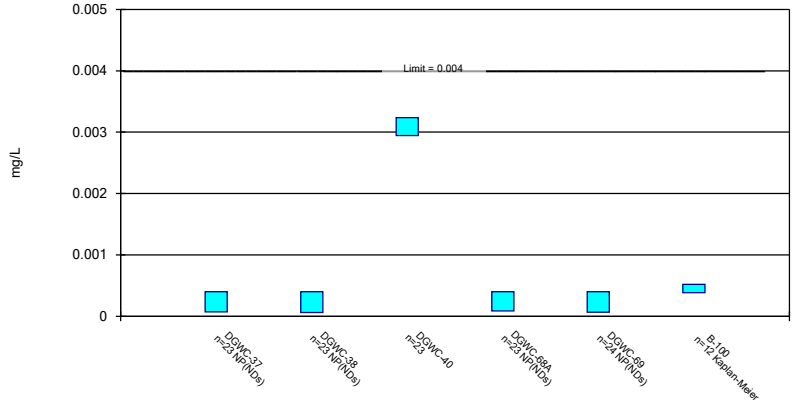


Constituent: Barium Analysis Run 11/19/2025 10:36 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

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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.

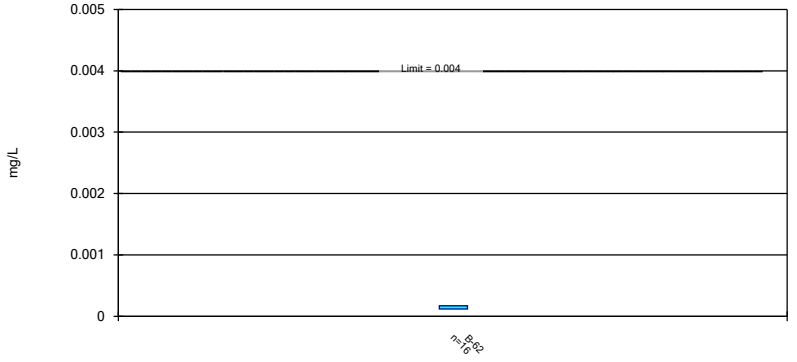


Constituent: Beryllium Analysis Run 11/19/2025 10:36 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

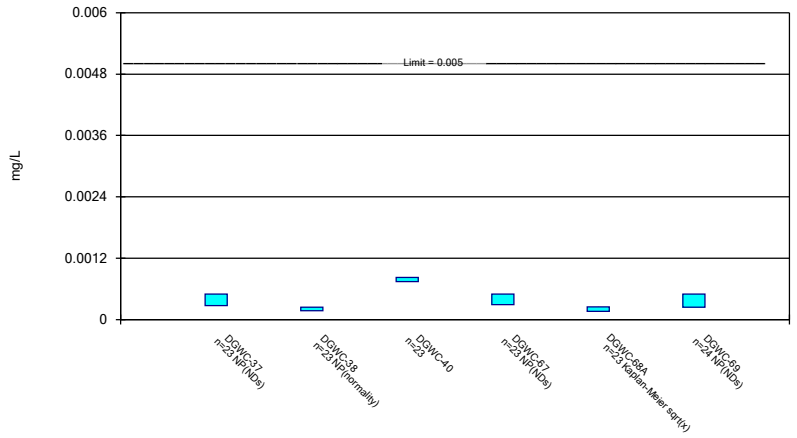


Constituent: Beryllium Analysis Run 11/19/2025 10:36 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

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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.

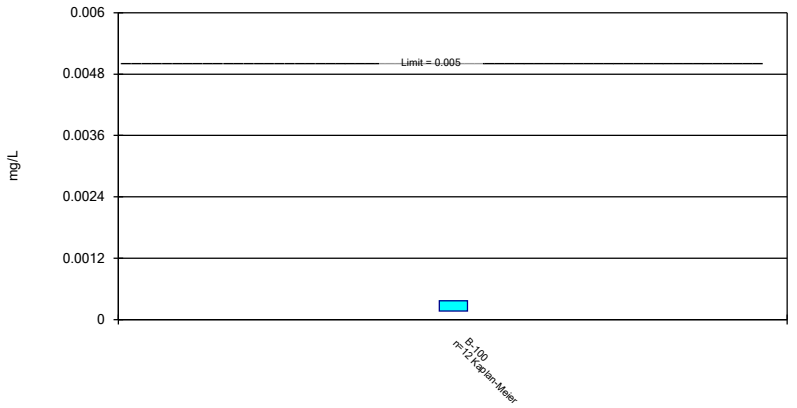


Constituent: Cadmium Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

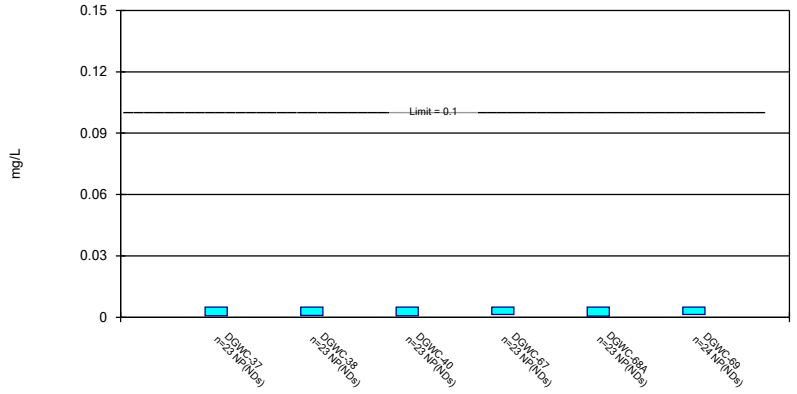


Constituent: Cadmium Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

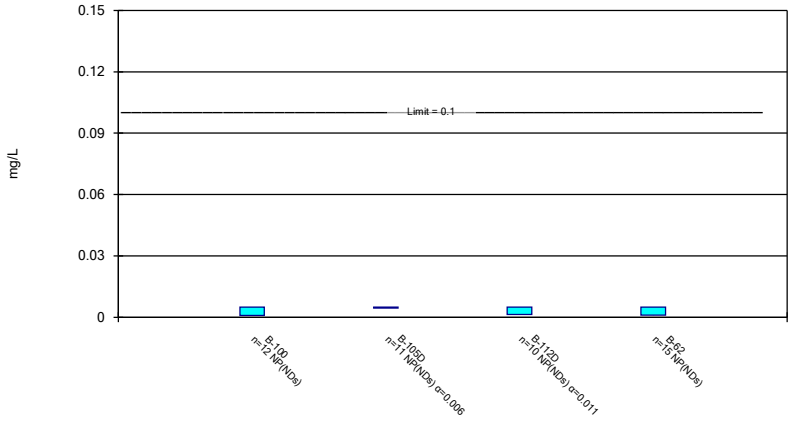


Constituent: Chromium Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

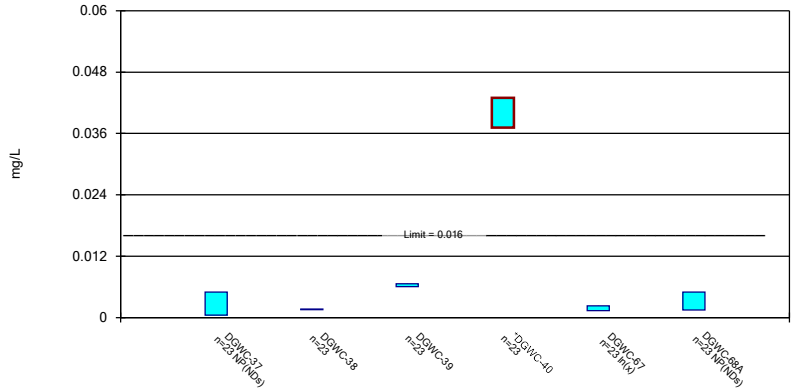


Constituent: Chromium Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to 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.

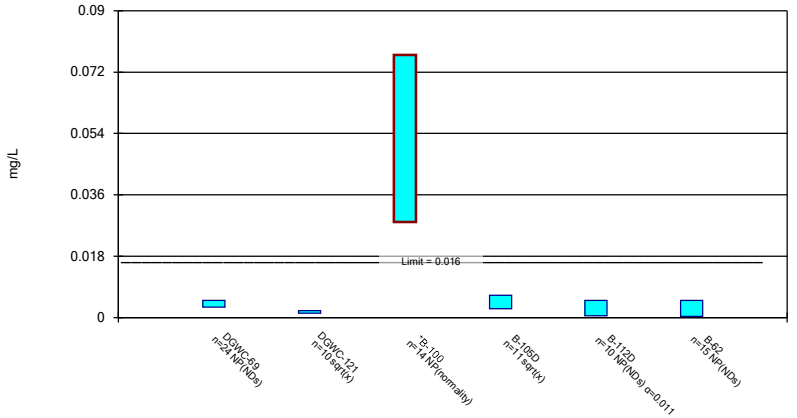


Constituent: Cobalt Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

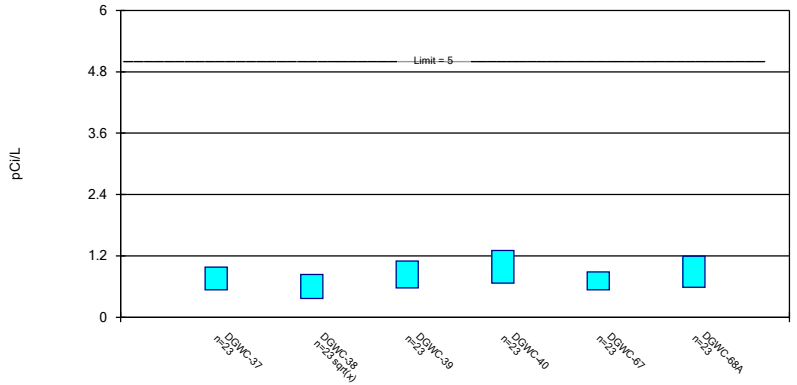


Constituent: Cobalt Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

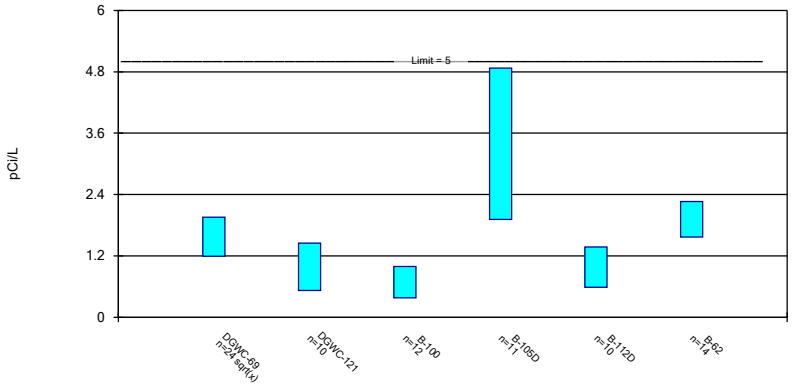


Constituent: Combined Radium 226 + 228 Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confid
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

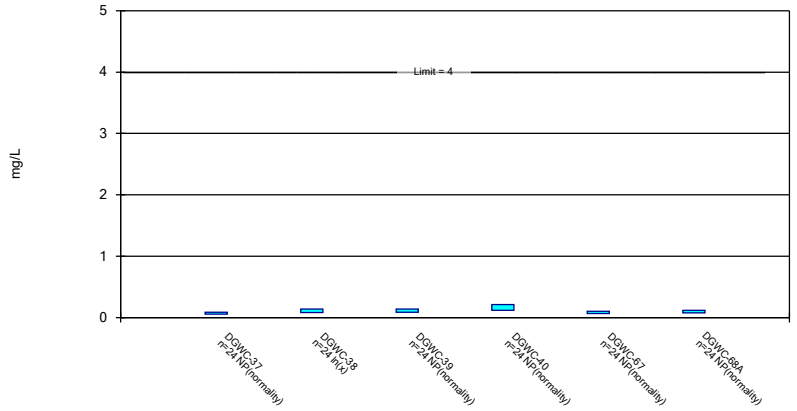


Constituent: Combined Radium 226 + 228 Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confid
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to 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.

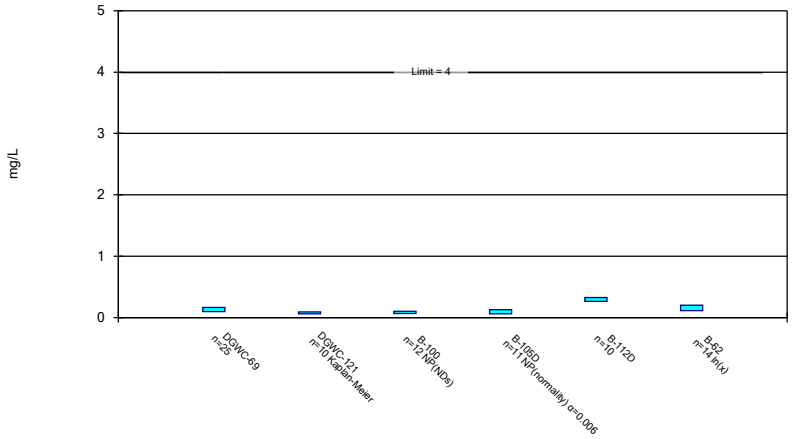


Constituent: Fluoride Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

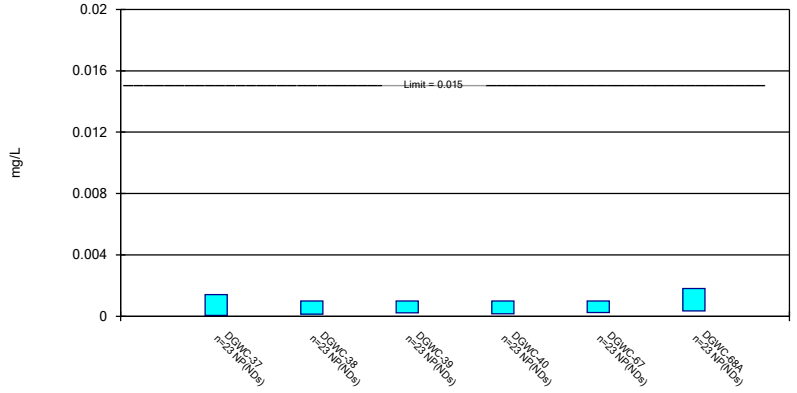


Constituent: Fluoride Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

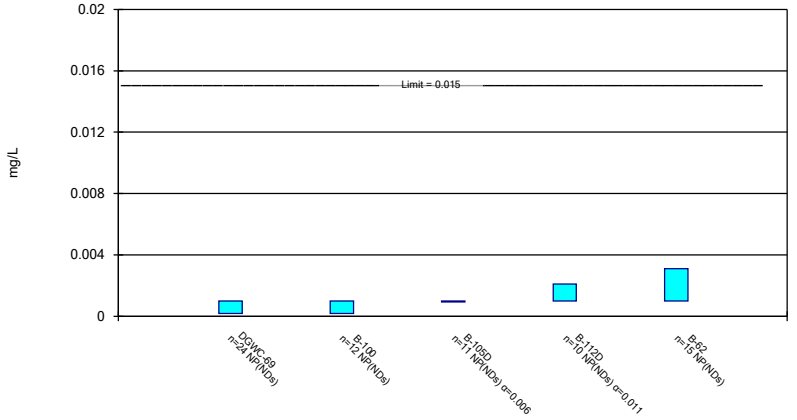


Constituent: Lead Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

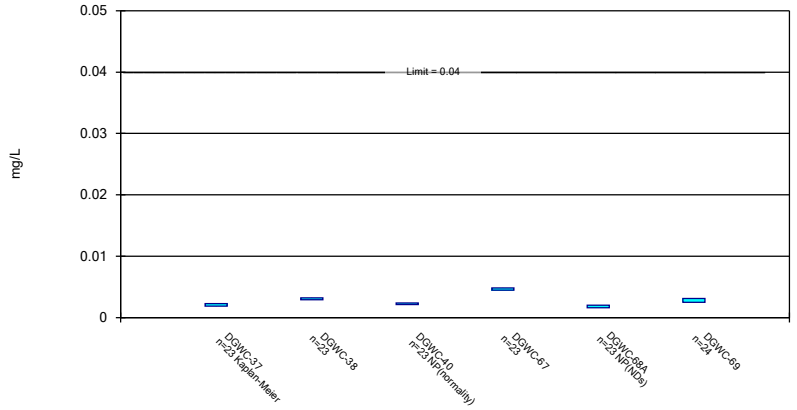


Constituent: Lead Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to 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.

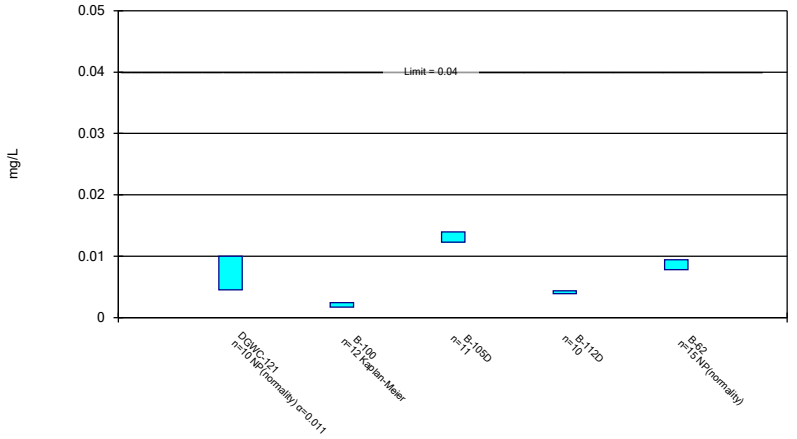


Constituent: Lithium Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

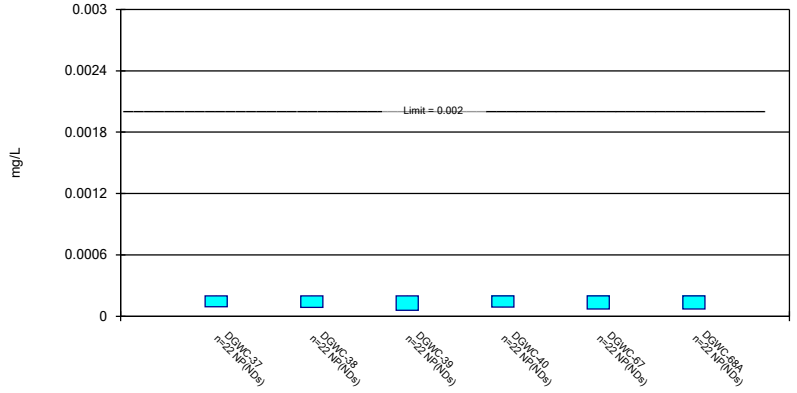


Constituent: Lithium Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

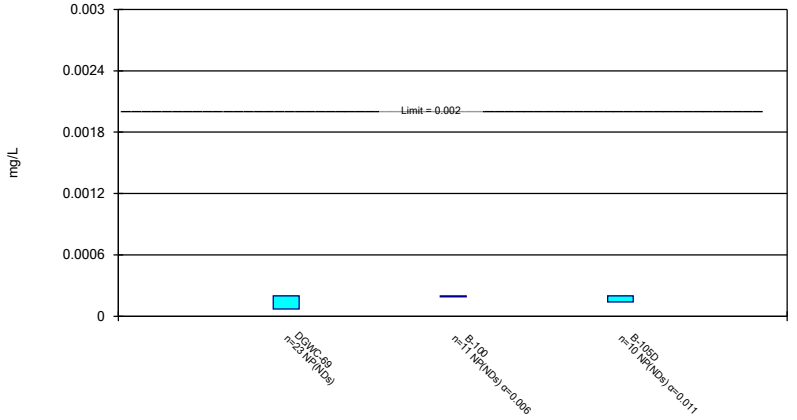


Constituent: Mercury Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

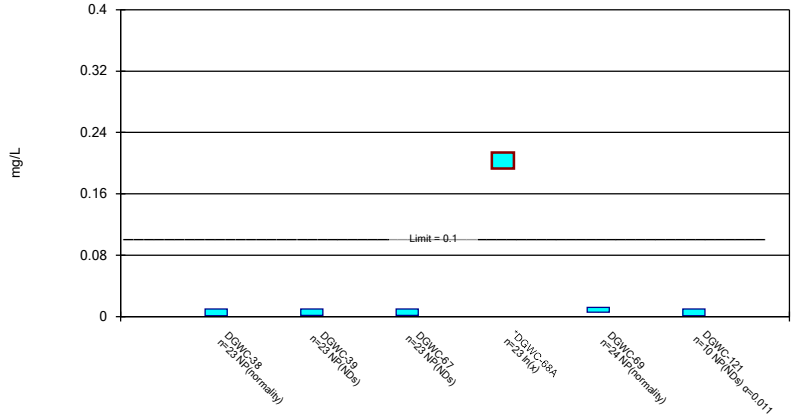


Constituent: Mercury Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

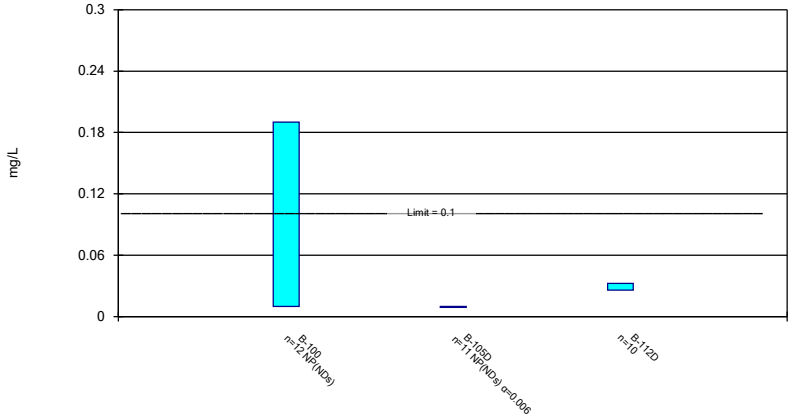


Constituent: Molybdenum Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

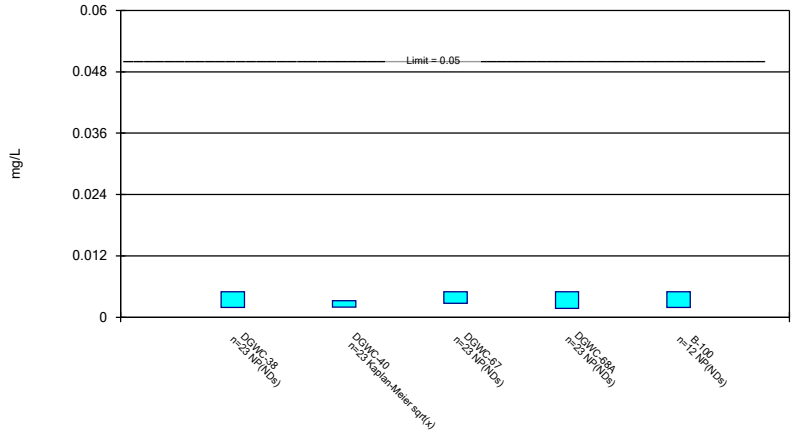


Constituent: Molybdenum Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to 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.

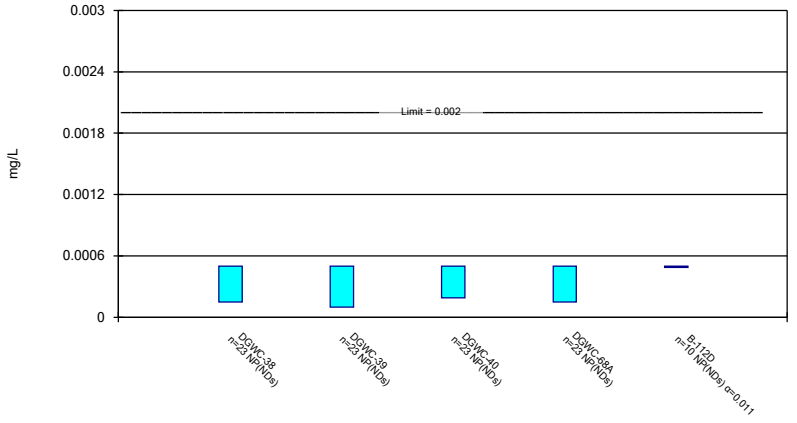


Constituent: Selenium Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Thallium Analysis Run 11/19/2025 10:37 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016			<0.002			
9/8/2016	<0.002	<0.002				
12/7/2016	<0.002	<0.002				
12/8/2016			<0.002			
3/30/2017	<0.002	<0.002	<0.002			
3/31/2017				0.0004 (J)		<0.002
5/12/2017				<0.002	<0.002	<0.002
6/16/2017				0.0008 (J)	0.0008 (J)	0.0007 (J)
7/13/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/8/2017					<0.002	
10/26/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
11/15/2017						<0.002
3/1/2018	<0.002	<0.002				
3/2/2018			<0.002	<0.002	<0.002	<0.002
7/12/2018	<0.002	<0.002	<0.002			
7/13/2018				0.0023 (J)	<0.002	<0.002
11/8/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/28/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/4/2020			<0.002			
3/9/2020	<0.002	<0.002		<0.002	<0.002	<0.002
8/13/2020	<0.002	<0.002	<0.002	<0.002	<0.002	0.0019 (J)
9/23/2020			<0.002	<0.002	<0.002	<0.002
9/24/2020	<0.002					
9/25/2020		<0.002				
3/8/2021			0.00033 (J)			
3/10/2021					0.00032 (J)	0.0018 (J)
3/11/2021	<0.002	<0.002		<0.002		
9/14/2021			<0.002			
9/16/2021	<0.002			<0.002	<0.002	<0.002
9/17/2021		<0.002				
1/19/2022			<0.002	<0.002		
1/20/2022		<0.002				
1/21/2022	<0.002					
1/25/2022					<0.002	<0.002
9/7/2022		<0.002	<0.002		<0.002	<0.002
9/8/2022				<0.002		
9/9/2022	<0.002					
2/1/2023			<0.002		<0.002	<0.002
2/2/2023	<0.002			<0.002		
2/3/2023		<0.002				
9/6/2023	0.0014 (J)					
9/7/2023		<0.002	<0.002	0.0039	<0.002	<0.002
1/30/2024			<0.002			
1/31/2024	<0.002	0.00058 (J)			<0.002	<0.002
2/1/2024				<0.002		
9/4/2024	<0.002	0.00088 (J)				
9/5/2024			<0.002	<0.002	<0.002	<0.002
2/7/2025		<0.002	<0.002			
2/10/2025	<0.002			<0.002	<0.002	<0.002
9/9/2025				<0.002	<0.002	
9/16/2025	<0.002	<0.002	<0.002			<0.002
Mean	0.001973	0.001885	0.001924	0.001973	0.001869	0.00193

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-39	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
Std. Dev.	0.0001279	0.0003765	0.000356	0.0006049	0.0004301	0.0002721
Upper Lim.	0.002	0.002	0.002	0.0023	0.002	0.002
Lower Lim.	0.0014	0.00088	0.00033	0.0008	0.0008	0.0019

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					<0.002
9/11/2019					<0.002
10/21/2019					<0.002
8/13/2020					<0.002
8/17/2020		0.0013 (J)			
9/24/2020					0.00046 (J)
9/25/2020		<0.002			
12/9/2020			<0.002		
3/8/2021		0.0017 (J)	0.00069 (J)		
3/12/2021					<0.002
4/15/2021				0.00041 (J)	
9/9/2021					<0.002
9/13/2021		<0.002			
9/15/2021			0.0082		
9/16/2021				<0.002	
1/19/2022			<0.002	<0.002	
1/20/2022					<0.002
1/21/2022		<0.002			
6/6/2022	<0.002				
9/7/2022			<0.002	<0.002	
9/8/2022	<0.002	<0.002			
9/9/2022					<0.002
2/1/2023			0.0016 (J)	<0.002	
2/2/2023	<0.002	<0.002			<0.002
5/2/2023	0.00082 (J)				
9/6/2023		<0.002			
9/7/2023			<0.002	<0.002	<0.002
9/8/2023	<0.002				
1/30/2024			<0.002		
1/31/2024	<0.002	<0.002			
2/1/2024				<0.002	<0.002
5/20/2024	0.00062 (J)				
9/4/2024	<0.002				
9/5/2024		<0.002	0.00062 (J)		
9/9/2024				<0.002	<0.002
2/7/2025			<0.002		
2/10/2025	<0.002			<0.002	
2/11/2025					<0.002
2/12/2025		<0.002			
9/9/2025				<0.002	
9/15/2025					<0.002
9/16/2025	<0.002	<0.002			
9/17/2025			<0.002		
Mean	0.001744	0.001917	0.002283	0.001841	0.001897
Std. Dev.	0.0005418	0.0002125	0.002033	0.0005028	0.0003976
Upper Lim.	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.00082	0.0017	0.00069	0.002	0.00046

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-39	DGWC-40	DGWC-67	DGWC-68A
9/2/2016				<0.002		
9/8/2016	<0.002	<0.002	<0.002			
12/7/2016	0.0019 (J)	<0.002	<0.002			
12/8/2016				<0.002		
3/30/2017	<0.002	<0.002	0.0007 (J)	0.0006 (J)		
3/31/2017					<0.002	
5/1/2017						<0.002
5/12/2017					<0.002	<0.002
6/16/2017					<0.002	<0.002
7/13/2017	<0.002	0.0005 (J)	0.0009 (J)	<0.002	<0.002	<0.002
8/8/2017						<0.002
10/26/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/1/2018	<0.002	<0.002	0.0011 (J)			
3/2/2018				0.0011 (J)	<0.002	<0.002
7/12/2018	<0.002	<0.002	0.00057 (J)	<0.002		
7/13/2018					<0.002	<0.002
11/8/2018	<0.002	<0.002	<0.002	<0.002	<0.002	0.0006 (J)
8/28/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
10/16/2019						<0.002
10/17/2019					0.00042 (J)	
10/18/2019	<0.002	<0.002	0.00075 (J)	<0.002		
3/4/2020				0.00065 (J)		
3/9/2020	<0.002	<0.002	0.00039 (J)		<0.002	<0.002
8/13/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/23/2020				<0.002	<0.002	<0.002
9/24/2020	<0.002	<0.002				
9/25/2020			0.00087 (J)			
3/8/2021				<0.002		
3/10/2021						<0.002
3/11/2021	<0.002	<0.002	<0.002		0.0008 (J)	
9/14/2021				<0.002		
9/15/2021		<0.002				
9/16/2021	<0.002				<0.002	0.46 (O)
9/17/2021			<0.002			
10/27/2021						0.0016 (J)
1/19/2022				0.003 (J)	0.0033 (J)	
1/20/2022			0.0019 (J)			
1/21/2022	<0.002	<0.002				
1/25/2022						<0.002
9/7/2022			<0.002	<0.002		<0.002
9/8/2022					<0.002	
9/9/2022	<0.002					
9/12/2022		<0.002				
2/1/2023				<0.002		<0.002
2/2/2023	<0.002	<0.002			<0.002	
2/3/2023			<0.002			
9/6/2023	<0.002					
9/7/2023		<0.002	<0.002	<0.002	<0.002	<0.002
1/30/2024		<0.002		<0.002		
1/31/2024	<0.002		<0.002			<0.002
2/1/2024					<0.002	
9/4/2024	0.00093 (J)	<0.002	0.00091 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-39	DGWC-40	DGWC-67	DGWC-68A
9/5/2024				<0.002	<0.002	<0.002
2/7/2025		<0.002	<0.002	<0.002		
2/10/2025	<0.002				<0.002	<0.002
9/9/2025					<0.002	<0.002
9/15/2025		<0.002				
9/16/2025	<0.002		<0.002	<0.002		
Mean	0.001949	0.001935	0.001569	0.001885	0.001936	0.001925
Std. Dev.	0.0002231	0.0003128	0.0006073	0.0004902	0.0005014	0.0002938
Upper Lim.	0.002	0.002	0.002	0.003	0.0033	0.002
Lower Lim.	0.0019	0.0005	0.0009	0.0011	0.0008	0.0016

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-69	B-100	B-105D	B-112D	B-62
3/31/2017	0.0239				
4/12/2017	0.0077				
5/12/2017	0.0097				
6/16/2017	0.0113				
7/13/2017	0.0029 (J)				
10/26/2017	0.114				
11/15/2017	0.164				
3/2/2018	0.0127				
7/13/2018	0.017				
11/8/2018	0.02				
1/30/2019					<0.002
8/28/2019	0.025				
9/11/2019					<0.002
10/16/2019	0.023				
10/21/2019					<0.002
3/9/2020	0.029				
7/23/2020		<0.005			
8/13/2020	0.029				<0.002
8/17/2020		<0.005			
9/23/2020	0.032				
9/24/2020					<0.002
9/25/2020		<0.005			
12/9/2020			<0.002		
3/8/2021		<0.005	0.0025 (J)		
3/10/2021	0.028				
3/12/2021					<0.002
4/15/2021				0.00078 (J)	
9/9/2021					<0.002
9/13/2021		<0.005			
9/15/2021			<0.002		
9/16/2021	0.023			<0.002	
1/19/2022			0.0051	0.005	
1/20/2022					0.0033 (J)
1/21/2022		<0.005			
1/25/2022	0.028				
9/7/2022	0.024		0.0026 (J)	<0.002	
9/8/2022		<0.005			
9/9/2022					<0.002
2/1/2023	0.021		<0.002	<0.002	
2/2/2023		<0.005			<0.002
9/6/2023		<0.005			
9/7/2023	0.029		<0.002	<0.002	<0.002
1/30/2024			<0.002		
1/31/2024	0.026	<0.005			
2/1/2024				<0.002	<0.002
9/5/2024	0.02	<0.005	<0.002		
9/9/2024				<0.002	<0.002
2/7/2025			<0.002		
2/10/2025	0.046			<0.002	
2/11/2025					<0.002
2/12/2025		<0.005			
9/9/2025				<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-69	B-100	B-105D	B-112D	B-62
9/15/2025					<0.002
9/16/2025	0.46	0.0015 (J)			
9/17/2025			<0.002		
Mean	0.04905	0.004731	0.002382	0.002178	0.002087
Std. Dev.	0.09221	0.0009707	0.0009282	0.001063	0.0003357
Upper Lim.	0.029	0.005	0.0026	0.002	0.0033
Lower Lim.	0.017	0.0015	0.002	0.002	0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-39	DGWC-40	DGWC-67	DGWC-68A
9/2/2016				0.0171		
9/8/2016	0.123	0.0333	0.0978			
12/7/2016	0.125	0.0336	0.0844			
12/8/2016				0.0163		
3/30/2017	0.11	0.0325	0.0858	0.0177		
3/31/2017					0.111	
5/12/2017					0.127	0.089
6/16/2017					0.11	0.0855
7/13/2017	0.11	0.0332	0.0919	0.017	0.102	0.0859
8/8/2017						0.0852
10/26/2017	0.112	0.0333	0.0899	0.0168	0.105	0.0878
3/1/2018	0.102	0.0333	0.0742			
3/2/2018				0.0169	0.104	0.0878
7/12/2018	0.11	0.034	0.094	0.018		
7/13/2018					0.11	0.091
11/8/2018	0.11	0.035	0.1	0.017	0.11	0.092
8/28/2019	0.086	0.033	0.099	0.017	0.11	0.089
10/16/2019						0.089
10/17/2019					0.1	
10/18/2019	0.079	0.032	0.1	0.019		
3/4/2020				0.018		
3/9/2020	0.092	0.032	0.076		0.11	0.088
8/13/2020	0.088	0.032	0.089	0.018	0.095	0.088
9/23/2020				0.019	0.1	0.094
9/24/2020	0.094	0.032				
9/25/2020			0.1			
3/8/2021				0.016		
3/10/2021						0.09
3/11/2021	0.075	0.032	0.078		0.11	
9/14/2021				0.027		
9/15/2021		0.032				
9/16/2021	0.083				0.088	0.13 (O)
9/17/2021			0.09			
10/27/2021						0.086
1/19/2022				0.018	0.091	
1/20/2022			0.093			
1/21/2022	0.085	0.031				
1/25/2022						0.1
9/7/2022			0.099	0.016		0.098
9/8/2022					0.082	
9/9/2022	0.079					
9/12/2022		0.027				
2/1/2023				0.017		0.099
2/2/2023	0.081	0.03			0.08	
2/3/2023			0.087			
9/6/2023	0.082					
9/7/2023		0.027	0.11	0.016	0.076	0.11
1/30/2024		0.031		0.017		
1/31/2024	0.086		0.1			0.11
2/1/2024					0.077	
9/4/2024	0.067	0.025	0.11			
9/5/2024				0.016	0.068	0.1

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-39	DGWC-40	DGWC-67	DGWC-68A
2/7/2025		0.031	0.1	0.019		
2/10/2025	0.099				0.082	0.099
9/9/2025					0.066	0.11
9/15/2025		0.028				
9/16/2025	0.064		0.13	0.017		
Mean	0.09313	0.03144	0.09474	0.01769	0.09626	0.09366
Std. Dev.	0.01698	0.002506	0.01222	0.002238	0.01618	0.008078
Upper Lim.	0.102	0.03277	0.1011	0.018	0.1047	0.099
Lower Lim.	0.08425	0.03026	0.08835	0.0168	0.0878	0.0878

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-69	DGWC-121	B-100	B-105D	B-112D	B-62
3/31/2017	0.0872					
5/12/2017	0.0929					
6/16/2017	0.1					
7/13/2017	0.0985					
10/26/2017	0.136					
11/15/2017	0.107					
3/2/2018	0.0671					
7/13/2018	0.074					
11/8/2018	0.072					
1/30/2019						0.018
8/28/2019	0.061					
9/11/2019						0.023
10/16/2019	0.1					
10/21/2019						0.026
3/9/2020	0.057					
8/13/2020	0.13					0.026
8/17/2020			0.015			
9/23/2020	0.055					
9/24/2020						0.025
9/25/2020			0.022			
12/9/2020				0.03		
3/8/2021			0.022	0.041		
3/10/2021	0.048					
3/12/2021						0.027
4/15/2021					0.026	
9/9/2021						0.021
9/13/2021			0.021			
9/15/2021				0.037		
9/16/2021	0.078				0.0032 (J)	
1/19/2022				0.04	0.0034 (J)	
1/20/2022						0.021
1/21/2022			0.023			
1/25/2022	0.049					
6/6/2022		0.04				
9/7/2022	0.065			0.035	0.0026 (J)	
9/8/2022		0.042	0.021			
9/9/2022						0.018
2/1/2023	0.044			0.036	0.0028 (J)	
2/2/2023		0.049	0.098			0.019
5/2/2023		0.048				
9/6/2023			0.021			
9/7/2023	0.047			0.035	0.0027 (J)	0.015
9/8/2023		0.047				
1/30/2024				0.039		
1/31/2024	0.048	0.05	0.019			
2/1/2024					0.0028 (J)	0.017
5/20/2024		0.044				
9/4/2024		0.045				
9/5/2024	0.062		0.021	0.038		
9/9/2024					0.0036 (J)	0.017
2/7/2025				0.037		
2/10/2025	0.15	0.054			0.0045 (J)	

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-69	DGWC-121	B-100	B-105D	B-112D	B-62
2/11/2025						0.013
2/12/2025			0.023			
9/9/2025					0.003 (J)	
9/15/2025						0.016
9/16/2025	0.12	0.049	0.027			
9/17/2025				0.031		
Mean	0.0812	0.0468	0.02775	0.03627	0.00546	0.02013
Std. Dev.	0.03087	0.004131	0.0223	0.003438	0.007239	0.004422
Upper Lim.	0.09695	0.05049	0.027	0.03914	0.0045	0.02313
Lower Lim.	0.06544	0.04311	0.019	0.03341	0.0027	0.01714

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-40	DGWC-68A	DGWC-69	B-100
9/2/2016			0.0028 (J)			
9/8/2016	<0.0004	<0.0004				
12/7/2016	<0.0004	<0.0004				
12/8/2016			0.0026 (J)			
3/30/2017	<0.0004	<0.0004	0.003			
3/31/2017					7E-05 (J)	
5/12/2017				<0.0004	<0.0004	
6/16/2017				<0.0004	<0.0004	
7/13/2017	<0.0004	<0.0004	0.003 (J)	<0.0004	<0.0004	
8/8/2017				<0.0004		
10/26/2017	<0.0004	<0.0004	0.0027 (J)	<0.0004	<0.0004	
11/15/2017					<0.0004	
3/1/2018	6.7E-05 (J)	5.4E-05 (J)				
3/2/2018			0.0033	<0.0004	6E-05 (J)	
7/12/2018	7E-05 (J)	<0.0004	0.0032			
7/13/2018				8.4E-05 (J)	5.8E-05 (J)	
11/8/2018	<0.0004	<0.0004	0.0027 (J)	<0.0004	<0.0004	
8/28/2019	8.6E-05 (J)	<0.0004	0.0032	<0.0004	<0.0004	
10/16/2019				<0.0004	<0.0004	
10/18/2019	<0.0004	<0.0004	0.0033			
3/4/2020			0.0039			
3/9/2020	<0.0004	<0.0004		<0.0004	7.5E-05 (J)	
8/13/2020	0.0001 (J)	<0.0004	0.0033	<0.0004	6.3E-05 (J)	
8/17/2020						0.0004 (J)
9/23/2020			0.0031	<0.0004	6.1E-05 (J)	
9/24/2020	8.8E-05 (J)	5.8E-05 (J)				
9/25/2020						0.00035 (J)
3/8/2021			0.003			0.00046 (J)
3/10/2021				6.1E-05 (J)	5E-05 (J)	
3/11/2021	<0.0004	<0.0004				
9/13/2021						0.00053
9/14/2021			0.0032			
9/15/2021		<0.0004				
9/16/2021	5.9E-05 (J)			<0.0004	<0.0004	
1/19/2022			0.0034			
1/21/2022	5.9E-05 (J)	<0.0004				0.00053
1/25/2022				<0.0004	5.9E-05 (J)	
9/7/2022			0.0031	<0.0004	<0.0004	
9/8/2022						0.00058
9/9/2022	5.7E-05 (J)					
9/12/2022		<0.0004				
2/1/2023			0.0028	<0.0004	<0.0004	
2/2/2023	<0.0004	<0.0004				<0.0004
9/6/2023	5.8E-05 (J)					0.00054
9/7/2023		<0.0004	0.0031	<0.0004	7.8E-05 (J)	
1/30/2024		<0.0004	0.0032			
1/31/2024	<0.0004			<0.0004	<0.0004	0.00047 (J)
9/4/2024	<0.0004	<0.0004				
9/5/2024			0.0029	<0.0004	<0.0004	0.00053
2/7/2025		<0.0004	0.0032			
2/10/2025	<0.0004			<0.0004	<0.0004	
2/12/2025						0.00057

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-40	DGWC-68A	DGWC-69	B-100
9/9/2025				<0.0004		
9/15/2025		<0.0004				
9/16/2025	<0.0004		0.0031		<0.0004	<0.0004
Mean	0.0002715	0.0003701	0.003091	0.0003715	0.0002739	0.00048
Std. Dev.	0.0001642	9.911E-05	0.0002795	9.442E-05	0.0001664	7.734E-05
Upper Lim.	0.0004	0.0004	0.003237	0.0004	0.0004	0.0005173
Lower Lim.	7E-05	5.8E-05	0.002945	8.4E-05	6.3E-05	0.0003816

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-62
10/6/2016	9E-05 (J)
1/30/2019	<0.0004
9/11/2019	0.00012 (J)
10/21/2019	7.8E-05 (J)
8/13/2020	0.00011 (J)
9/24/2020	0.00013 (J)
3/12/2021	<0.0004
9/9/2021	0.00014 (J)
1/20/2022	0.00015 (J)
9/9/2022	0.00013 (J)
2/2/2023	0.00012 (J)
9/7/2023	0.00011 (J)
2/1/2024	0.00015 (J)
9/9/2024	0.00018 (J)
2/11/2025	0.00023 (J)
9/15/2025	0.00017 (J)
Mean	0.0001442
Std. Dev.	4.231E-05
Upper Lim.	0.0001718
Lower Lim.	0.0001167

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016			0.0008 (J)			
9/8/2016	0.0002 (J)	0.0002 (J)				
12/7/2016	0.0001 (J)	0.0002 (J)				
12/8/2016			0.0007 (J)			
3/30/2017	0.0001 (J)	0.0002 (J)	0.0007 (J)			
3/31/2017				<0.0005		0.0001 (J)
5/12/2017				<0.0005	8E-05 (J)	0.0002 (J)
6/16/2017				<0.0005	<0.0005	0.0002 (J)
7/13/2017	<0.0005	0.0002 (J)	0.0008 (J)	<0.0005	<0.0005	<0.0005
8/8/2017					<0.0005	
10/26/2017	<0.0005	0.0002 (J)	0.0008 (J)	<0.0005	<0.0005	<0.0005
11/15/2017						<0.0005
3/1/2018	<0.0005	0.00018 (J)				
3/2/2018			0.00085 (J)	<0.0005	0.00019 (J)	0.00016 (J)
7/12/2018	<0.0005	0.00024 (J)	0.00087 (J)			
7/13/2018				<0.0005	0.00019 (J)	<0.0005
11/8/2018	<0.0005	0.00024 (J)	0.00076 (J)	<0.0005	0.00025 (J)	<0.0005
8/28/2019	<0.0005	0.0003 (J)	0.00087 (J)	0.00017 (J)	0.00017 (J)	<0.0005
10/16/2019					0.00017 (J)	0.00017 (J)
10/17/2019				<0.0005		
10/18/2019	<0.0005	0.00016 (J)	0.00088 (J)			
3/4/2020			0.00093 (J)			
3/9/2020	<0.0005	0.00017 (J)		0.00021 (J)	0.00026 (J)	<0.0005
8/13/2020	<0.0005	0.00021 (J)	0.00084 (J)	0.00015 (J)	0.00021 (J)	<0.0005
9/23/2020			0.0008 (J)	0.00018 (J)	0.00024 (J)	<0.0005
9/24/2020	0.00027 (J)	0.00081 (J)				
3/8/2021			0.00072			
3/10/2021					<0.0005	<0.0005
3/11/2021	<0.0005	<0.0005		0.00053		
9/14/2021			0.00086			
9/15/2021		0.00021 (J)				
9/16/2021	0.00013 (J)			<0.0005	<0.0005	<0.0005
1/19/2022			0.00085	<0.0005		
1/21/2022	<0.0005	0.0002 (J)				
1/25/2022					0.00035 (J)	<0.0005
9/7/2022			0.00081		0.0002 (J)	<0.0005
9/8/2022				<0.0005		
9/9/2022	<0.0005					
9/12/2022		0.00013 (J)				
2/1/2023			0.00063		<0.0005	<0.0005
2/2/2023	<0.0005	<0.0005		<0.0005		
9/6/2023	<0.0005					
9/7/2023		0.00013 (J)	0.00074	<0.0005	0.00015 (J)	<0.0005
1/30/2024		0.00024 (J)	0.00073			
1/31/2024	<0.0005				0.00026 (J)	<0.0005
2/1/2024				<0.0005		
9/4/2024	<0.0005	0.00012 (J)				
9/5/2024			0.00069	0.00029 (J)	0.00025 (J)	<0.0005
2/7/2025		<0.0005	0.00074			
2/10/2025	<0.0005			<0.0005	0.00029 (J)	0.00024 (J)
9/9/2025				0.00016 (J)	0.00037 (J)	
9/15/2025		0.00015 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/16/2025	0.00016 (J)		0.00062			<0.0005
Mean	0.0004113	0.0002278	0.0007822	0.0004213	0.00031	0.0004196
Std. Dev.	0.0001559	0.0001346	8.246E-05	0.0001408	0.0001421	0.000144
Upper Lim.	0.0005	0.00024	0.0008253	0.0005	0.0002458	0.0005
Lower Lim.	0.00027	0.00017	0.000739	0.00029	0.0001595	0.00024

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-100
8/17/2020	0.00059 (J)
9/25/2020	0.00027 (J)
3/8/2021	0.00027 (J)
9/13/2021	0.00029 (J)
1/21/2022	0.00059
9/8/2022	0.00027 (J)
2/2/2023	<0.0005
9/6/2023	0.00035 (J)
1/31/2024	0.00033 (J)
9/5/2024	<0.0005
2/12/2025	0.00014 (J)
9/16/2025	<0.0005
Mean	0.0003833
Std. Dev.	0.0001467
Upper Lim.	0.0003674
Lower Lim.	0.0001657

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016			<0.005			
9/8/2016	<0.005	<0.005				
12/7/2016	<0.005	<0.005				
12/8/2016			<0.005			
3/30/2017	<0.005	<0.005	0.0007 (J)			
3/31/2017				0.0005 (J)		<0.005
5/12/2017				0.0007 (J)	<0.005	<0.005
6/16/2017				<0.005	<0.005	<0.005
7/13/2017	<0.005	<0.005	0.0006 (J)	<0.005	0.0005 (J)	<0.005
8/8/2017					<0.005	
10/26/2017	0.0007 (J)	0.0005 (J)	0.0007 (J)	<0.005	<0.005	<0.005
11/15/2017						<0.005
3/1/2018	<0.005	<0.005				
3/2/2018			<0.005	<0.005	<0.005	<0.005
7/12/2018	<0.005	<0.005	<0.005			
7/13/2018				<0.005	<0.005	<0.005
11/8/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/28/2019	<0.005	<0.005	0.00061 (J)	<0.005	<0.005	0.00049 (J)
10/16/2019					<0.005	<0.005
10/17/2019				<0.005		
10/18/2019	<0.005	0.00092 (J)	0.00078 (J)			
3/4/2020			0.0011 (J)			
3/9/2020	<0.005	0.00044 (J)		0.00088 (J)	<0.005	0.0012 (J)
8/13/2020	0.00058 (J)	<0.005	0.00072 (J)	<0.005	<0.005	<0.005
9/23/2020			0.0011 (J)	<0.005	<0.005	0.0011 (J)
9/24/2020	<0.005	<0.005				
3/8/2021			0.0006 (J)			
3/10/2021					<0.005	0.0009 (J)
3/11/2021	<0.005	<0.005		0.0014 (J)		
9/14/2021			0.0021 (J)			
9/15/2021		<0.005				
9/16/2021	<0.005			<0.005	0.0014 (JO)	<0.005
10/27/2021					<0.005	
1/19/2022			<0.005	<0.005		
1/21/2022	<0.005	<0.005				
1/25/2022					<0.005	0.0013 (J)
9/7/2022			<0.005		<0.005	<0.005
9/8/2022				<0.005		
9/9/2022	<0.005					
9/12/2022		<0.005				
2/1/2023			<0.005		<0.005	<0.005
2/2/2023	<0.005	<0.005		<0.005		
9/6/2023	<0.005					
9/7/2023		<0.005	<0.005	<0.005	<0.005	<0.005
1/30/2024		<0.005	<0.005			
1/31/2024	<0.005				<0.005	<0.005
2/1/2024				<0.005		
9/4/2024	<0.005	<0.005				
9/5/2024			<0.005	<0.005	<0.005	<0.005
2/7/2025		<0.005	<0.005			
2/10/2025	<0.005			<0.005	<0.005	<0.005
9/9/2025				<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/15/2025		<0.005				
9/16/2025	<0.005		<0.005			<0.005
Mean	0.004621	0.004429	0.003218	0.004282	0.004804	0.004166
Std. Dev.	0.001256	0.00151	0.002098	0.001607	0.0009383	0.001666
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0007	0.00092	0.00072	0.0014	0.0005	0.0013

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-100	B-105D	B-112D	B-62
1/30/2019				<0.005
9/11/2019				<0.005
10/21/2019				0.00098 (J)
8/13/2020				<0.005
8/17/2020	<0.005			
9/24/2020				<0.005
9/25/2020	0.00094 (J)			
12/9/2020		<0.005		
3/8/2021	0.00057 (J)	<0.005		
3/12/2021				<0.005
4/15/2021			0.00085 (J)	
9/9/2021				<0.005
9/13/2021	<0.005			
9/15/2021		0.0012 (J)		
9/16/2021			0.0014 (J)	
1/19/2022		<0.005	<0.005	
1/20/2022				<0.005
1/21/2022	<0.005			
9/7/2022		<0.005	<0.005	
9/8/2022	<0.005			
9/9/2022				<0.005
2/1/2023		<0.005	<0.005	
2/2/2023	<0.005			<0.005
9/6/2023	<0.005			
9/7/2023		<0.005	<0.005	<0.005
1/30/2024		<0.005		
1/31/2024	<0.005			
2/1/2024			<0.005	<0.005
9/5/2024	<0.005	<0.005		
9/9/2024			<0.005	<0.005
2/7/2025		<0.005		
2/10/2025			<0.005	
2/11/2025				<0.005
2/12/2025	<0.005			
9/9/2025			<0.005	
9/15/2025				<0.005
9/16/2025	<0.005			
9/17/2025		<0.005		
Mean	0.004292	0.004655	0.004225	0.004732
Std. Dev.	0.001654	0.001146	0.001639	0.001038
Upper Lim.	0.005	0.005	0.005	0.005
Lower Lim.	0.00094	0.005	0.0014	0.00098

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-39	DGWC-40	DGWC-67	DGWC-68A
9/2/2016				0.0382		
9/8/2016	<0.005	0.0015 (J)	0.0068 (J)			
12/7/2016	0.0005 (J)	0.0017 (J)	0.0071 (J)			
12/8/2016				0.0318		
3/30/2017	<0.005	0.0016 (J)	0.006 (J)	0.0364		
3/31/2017					0.0064 (J)	
5/12/2017					0.0037 (J)	0.0015 (J)
6/16/2017					0.0041 (J)	0.0003 (J)
7/13/2017	0.0003 (J)	0.0016 (J)	0.0063 (J)	0.0394	0.0037 (J)	0.0005 (J)
8/8/2017						<0.005
10/26/2017	0.0003 (J)	0.0016 (J)	0.0062 (J)	0.0371	0.0022 (J)	<0.005
3/1/2018	<0.005	0.0018 (J)	0.0058 (J)			
3/2/2018				0.0425	0.0017 (J)	<0.005
7/12/2018	<0.005	0.0015 (J)	0.0059 (J)	0.044		
7/13/2018					0.0017 (J)	<0.005
11/8/2018	<0.005	0.0016 (J)	0.0062 (J)	0.036	0.002 (J)	<0.005
8/28/2019	<0.005	0.0016 (J)	0.0067	0.044	0.0013 (J)	<0.005
10/16/2019						<0.005
10/17/2019					0.0013 (J)	
10/18/2019	<0.005	0.0016 (J)	0.007	0.043		
3/4/2020				0.055		
3/9/2020	<0.005	0.0016 (J)	0.007		0.0015 (J)	<0.005
8/13/2020	<0.005	0.0014 (J)	0.006	0.044	0.0015 (J)	<0.005
9/23/2020				0.046	0.0011 (J)	<0.005
9/24/2020	<0.005	0.0013 (J)				
9/25/2020			0.0061			
3/8/2021				0.039		
3/10/2021						<0.005
3/11/2021	<0.005	0.0017 (J)	0.0058		0.0016 (J)	
9/14/2021				0.05		
9/15/2021		0.0016 (J)				
9/16/2021	<0.005				0.0012 (J)	0.0032 (JO)
9/17/2021			0.0076			
10/27/2021						<0.005
1/19/2022				0.042	0.0011 (J)	
1/20/2022			0.0061			
1/21/2022	<0.005	0.0017 (J)				
1/25/2022						<0.005
9/7/2022			0.0065	0.037		<0.005
9/8/2022					0.001 (J)	
9/9/2022	<0.005					
9/12/2022		0.0014 (J)				
2/1/2023				0.035		<0.005
2/2/2023	<0.005	0.0017 (J)			0.0014 (J)	
2/3/2023			0.005			
9/6/2023	<0.005					
9/7/2023		0.0015 (J)	0.0059	0.035	0.001 (J)	<0.005
1/30/2024		0.002 (J)		0.037		
1/31/2024	<0.005		0.0058			<0.005
2/1/2024					0.0011 (J)	
9/4/2024	<0.005	0.0015 (J)	0.0065			
9/5/2024				0.035	0.0011 (J)	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-39	DGWC-40	DGWC-67	DGWC-68A
2/7/2025		0.0017 (J)	0.0065	0.041		
2/10/2025	<0.005				<0.005	<0.005
9/9/2025					<0.005	<0.005
9/15/2025		0.0017 (J)				
9/16/2025	<0.005		0.0064	0.033		
Mean	0.004396	0.001604	0.006313	0.04006	0.00203	0.004448
Std. Dev.	0.001596	0.0001461	0.0005595	0.005561	0.001316	0.001471
Upper Lim.	0.005	0.001681	0.006606	0.04297	0.002297	0.005
Lower Lim.	0.0005	0.001528	0.00602	0.03715	0.001344	0.0015

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-69	DGWC-121	B-100	B-105D	B-112D	B-62
3/31/2017	0.0022 (J)					
5/12/2017	0.0016 (J)					
6/16/2017	0.0009 (J)					
7/13/2017	0.0004 (J)					
10/26/2017	0.0031 (J)					
11/15/2017	0.0028 (J)					
3/2/2018	<0.005					
7/13/2018	<0.005					
11/8/2018	<0.005					
1/30/2019						<0.005
8/28/2019	<0.005					
9/11/2019						0.0003 (J)
10/16/2019	<0.005					
10/21/2019						0.00031 (J)
3/9/2020	<0.005					
7/23/2020			0.086			
8/3/2020			0.087			
8/13/2020	<0.005					<0.005
8/17/2020			0.077			
9/23/2020	<0.005					
9/24/2020						<0.005
9/25/2020			0.034			
12/9/2020				0.012		
3/8/2021			0.029	0.0042 (J)		
3/10/2021	<0.005					
3/12/2021						<0.005
4/15/2021					0.0025 (J)	
9/9/2021						<0.005
9/13/2021			0.035			
9/15/2021				0.0065		
9/16/2021	<0.005				0.00054 (J)	
1/19/2022				0.006	<0.005	
1/20/2022						<0.005
1/21/2022			0.034			
1/25/2022	<0.005					
6/6/2022		0.0028 (J)				
9/7/2022	<0.005			0.004 (J)	<0.005	
9/8/2022		0.0019 (J)	0.028			
9/9/2022						<0.005
2/1/2023	<0.005			0.004 (J)	<0.005	
2/2/2023		0.0016 (J)	<0.005			<0.005
5/2/2023		0.0017 (J)				
9/6/2023			0.031			
9/7/2023	<0.005			0.0027 (J)	0.0004 (J)	<0.005
9/8/2023		0.0016 (J)				
1/30/2024				0.0026 (J)		
1/31/2024	<0.005	0.0015 (J)	0.065			
2/1/2024					<0.005	<0.005
5/20/2024		0.0013 (J)				
9/4/2024		0.0011 (J)				
9/5/2024	<0.005		0.031	0.002 (J)		
9/9/2024					<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-69	DGWC-121	B-100	B-105D	B-112D	B-62
2/7/2025				0.0035 (J)		
2/10/2025	0.0062	0.0015 (J)			<0.005	
2/11/2025						<0.005
2/12/2025			0.035			
9/9/2025					<0.005	
9/15/2025						<0.005
9/16/2025	0.0042 (J)	0.0014 (J)	0.002 (J)			
9/17/2025				0.0037 (J)		
Mean	0.004225	0.00164	0.04118	0.004655	0.003844	0.004374
Std. Dev.	0.001525	0.0004624	0.02731	0.002785	0.001942	0.001652
Upper Lim.	0.005	0.002017	0.077	0.006557	0.005	0.005
Lower Lim.	0.0031	0.001257	0.028	0.002614	0.00054	0.00031

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-39	DGWC-40	DGWC-67	DGWC-68A
9/2/2016				1.44		
9/8/2016	0.827	1.48	1.44			
12/7/2016	0.56	0.22	2.16			
12/8/2016				2.56		
3/30/2017	0.302	0.519	0.264	0.0844		
3/31/2017					0.404	
5/12/2017					0.206	1.18
6/16/2017					0.966 (U)	0.332 (U)
7/13/2017	0.731 (U)	1.11	0.517 (U)	0.963 (U)	0.387 (U)	0.304 (U)
8/8/2017						1.4
10/26/2017	1.04 (U)	1.13 (U)	0.875 (U)	0.748 (U)	0.619 (U)	0.477 (U)
3/1/2018	0.344 (U)	0.985 (U)	1.24			
3/2/2018				0.485 (U)	1.31	1.13
7/12/2018	0.566 (U)	0.615 (U)	0.935	0.231 (U)		
7/13/2018					0.667 (U)	0.407 (U)
11/8/2018	0.623 (U)	0.58 (U)	1.15 (U)	0.465 (U)	0.911 (U)	0.393 (U)
8/28/2019	1.24 (U)	0.517 (U)	1.15 (U)	0.592 (U)	0.751 (U)	1.77
10/16/2019						2.12
1/6/2020	2.01	0.527 (U)	1.4	1.6	0.965 (U)	
3/4/2020				1.62		
3/9/2020	0.499 (U)	1.04	1.36		0.819 (U)	1.33
8/13/2020	0.99	0.132 (U)	0.626 (U)	1.6	0.897 (U)	1.46
9/23/2020				1.28 (U)	0.131 (U)	0.563 (U)
9/24/2020	1.03 (U)	0.593 (U)				
9/25/2020			0.181 (U)			
3/8/2021				0.714 (U)		
3/10/2021						0.568 (U)
3/11/2021	0.956 (U)	0.0784 (U)	0.969 (U)		1.55	
9/14/2021				1.8		
9/15/2021		2.37				
9/16/2021	0.691 (U)				0.201 (U)	1.74
9/17/2021			0.911 (U)			
1/19/2022				1.7	0.853 (U)	
1/20/2022			0.172 (U)			
1/21/2022	0.343 (U)	0.0873 (U)				
1/25/2022						0.323 (U)
9/7/2022			0.637	0.772		0.174
9/8/2022					0.699	
9/9/2022	0.719					
9/12/2022		0.479				
2/1/2023				0.603 (U)		1.37
2/2/2023	1.23	0.462 (U)			0.498 (U)	
2/3/2023			0.878 (U)			
9/6/2023	0.732 (U)					
9/7/2023		0.358 (U)	0.728 (U)	0.902 (U)	0.565 (U)	0.782 (U)
1/30/2024		0.606 (U)		0.534 (U)		
1/31/2024	0.14 (U)		0.156 (U)			0.0595 (U)
2/1/2024					0.667 (U)	
9/4/2024	0.461 (U)	0.546 (U)	0.203 (U)			
9/5/2024				0.217 (U)	0.547 (U)	1.15
2/7/2025		0.577 (U)	0.945 (U)	1.02 (U)		
2/10/2025	1.22				0.743 (U)	0.792 (U)

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-39	DGWC-40	DGWC-67	DGWC-68A
9/9/2025					0.962 (U)	0.625 (U)
9/15/2025		0.212 (U)				
9/16/2025	0.202 (U)		0.359 (U)	0.754 (U)		
Mean	0.759	0.6619	0.8372	0.9863	0.7095	0.8891
Std. Dev.	0.4257	0.5164	0.5047	0.6157	0.3385	0.5784
Upper Lim.	0.9816	0.8377	1.101	1.308	0.8865	1.192
Lower Lim.	0.5363	0.3659	0.5732	0.6642	0.5324	0.5866

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-69	DGWC-121	B-100	B-105D	B-112D	B-62
3/31/2017	1.39					
5/12/2017	1.29					
6/16/2017	1.61					
7/13/2017	1.14					
10/26/2017	2.04					
11/15/2017	1.99					
3/2/2018	0.918 (U)					
7/13/2018	1.36					
11/8/2018	0.719 (U)					
1/30/2019						1.97
8/28/2019	1.38					
10/16/2019	0.826 (U)					
10/21/2019						1.82
3/9/2020	1.39					
8/13/2020	2.66					1.63
8/17/2020			1.4 (U)			
9/23/2020	1.8					
9/24/2020						1.28 (U)
9/25/2020			0.799 (U)			
12/9/2020				1.25 (U)		
3/8/2021			0.168 (U)	1.87		
3/10/2021	1.6					
3/12/2021						1.18 (U)
4/15/2021					0.945 (U)	
9/9/2021						1.7
9/13/2021			0.774 (U)			
9/15/2021				2.01		
9/16/2021	2.06				0.241 (U)	
1/19/2022				2.45	0.738 (U)	
1/20/2022						1.71
1/21/2022			0.769 (U)			
1/25/2022	0.834 (U)					
6/6/2022		1.23				
9/7/2022	1.82			3.05	0.755	
9/8/2022		2	0.643 (U)			
9/9/2022						1.96
2/1/2023	1.85			6.88	1.76	
2/2/2023		0.868 (U)	0.981			1.6
5/2/2023		0.374 (U)				
9/6/2023			0.326 (U)			
9/7/2023	0.91			2.88	0.902	2.24
9/8/2023		0.986 (U)				
1/30/2024				6.38		
1/31/2024	0.588 (U)	0.58 (U)	0.0563 (U)			
2/1/2024					1.25	2.08
5/20/2024		1.05 (U)				
9/4/2024		0.563 (U)				
9/5/2024	1.6		0.44 (U)	3.88		
9/9/2024					1.51	2.14
2/7/2025				3.6		
2/10/2025	4.19	0.573 (U)			1.07 (U)	
2/11/2025						3.14

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-69	DGWC-121	B-100	B-105D	B-112D	B-62
2/12/2025			1.12			
9/9/2025					0.622 (U)	
9/15/2025						2.37
9/16/2025	3.35	1.65	0.745 (U)			
9/17/2025				3.09		
Mean	1.638	0.9874	0.6851	3.395	0.9793	1.916
Std. Dev.	0.834	0.5202	0.39	1.776	0.4424	0.4897
Upper Lim.	1.959	1.452	0.9911	4.875	1.374	2.263
Lower Lim.	1.19	0.5233	0.3791	1.914	0.5846	1.569

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-39	DGWC-40	DGWC-67	DGWC-68A
9/2/2016				0.5		
9/8/2016	0.08 (J)	0.1 (J)	0.17 (J)			
12/7/2016	0.21 (J)	0.27 (J)	0.33			
12/8/2016				0.35		
3/30/2017	0.05 (J)	0.12 (J)	0.17 (J)	0.21 (J)		
3/31/2017					0.02 (J)	
5/12/2017					<0.1	0.37
6/16/2017					0.03 (J)	0.12 (J)
7/13/2017	0.06 (J)	0.13 (J)	0.14 (J)	0.2 (J)	0.03 (J)	0.12 (J)
8/8/2017						0.11 (J)
10/26/2017	0.08 (J)	0.47	0.54	0.5	<0.1	0.11 (J)
3/1/2018	0.22 (J)	<0.3	0.13 (J)			
3/2/2018				0.33	<0.1	0.23 (J)
7/12/2018	0.32	0.23 (J)	0.13 (J)	0.57		
7/13/2018					0.25 (J)	0.099 (J)
11/8/2018	<0.1	<0.3	0.072 (J)	0.11 (J)	0.5	0.04 (J)
3/13/2019	0.08 (J)	0.084 (J)	0.085 (J)	0.15 (J)	0.07 (J)	0.12 (J)
8/28/2019	0.074 (J)	0.066 (J)	0.086 (J)	0.14	<0.1	0.1
10/16/2019						0.093 (J)
10/17/2019					0.038 (J)	
10/18/2019	0.075 (J)	0.073 (J)	0.14 (J)	0.13 (J)		
3/4/2020				0.11 (J)		
3/9/2020	0.054 (J)	0.064 (J)	0.075 (J)		<0.1	0.082 (J)
8/13/2020	0.068 (J)	0.06 (J)	0.076 (J)	0.16	<0.1	0.076 (J)
9/23/2020				0.054 (J)	<0.1	0.07 (J)
9/24/2020	0.061 (J)	0.057 (J)				
9/25/2020			0.086 (J)			
3/8/2021				0.17		
3/10/2021						0.07 (J)
3/11/2021	0.057 (J)	0.058 (J)	0.083 (J)		<0.1	
9/14/2021				0.13		
9/15/2021		0.06 (J)				
9/16/2021	0.084 (J)				0.069 (J)	0.55
9/17/2021			0.13			
1/19/2022				0.12	<0.1	
1/20/2022			0.1			
1/21/2022	0.053 (J)	0.1				
1/25/2022						0.067 (J)
9/7/2022			0.11	0.14		0.11
9/8/2022					0.096 (J)	
9/9/2022	0.082 (J)					
9/12/2022		0.12				
2/1/2023				0.15		0.11
2/2/2023	0.089 (J)	0.1			0.068 (J)	
2/3/2023			0.12			
9/6/2023	0.053 (J)					
9/7/2023		0.072 (J)	0.092 (J)	0.14	<0.1	0.096 (J)
1/30/2024		0.078 (J)		0.12		
1/31/2024	0.069 (J)		0.11			0.092 (J)
2/1/2024					0.057 (J)	
9/4/2024	0.1	0.12	0.14			
9/5/2024				0.14	0.071 (J)	0.11

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-39	DGWC-40	DGWC-67	DGWC-68A
2/7/2025		0.099 (J)	0.13	0.12		
2/10/2025	<0.1				<0.1	0.067 (J)
9/9/2025					0.067 (J)	0.099 (J)
9/15/2025		0.1				
9/16/2025	0.061 (J)		0.081 (J)	0.1		
Mean	0.09083	0.1221	0.1386	0.2018	0.1028	0.1296
Std. Dev.	0.06547	0.09079	0.1006	0.1406	0.09534	0.1106
Upper Lim.	0.084	0.1359	0.14	0.21	0.1	0.12
Lower Lim.	0.054	0.07951	0.085	0.12	0.067	0.076

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-69	DGWC-121	B-100	B-105D	B-112D	B-62
3/31/2017	0.16 (J)					
5/12/2017	0.12 (J)					
6/16/2017	0.16 (J)					
7/13/2017	0.13 (J)					
10/26/2017	0.29 (J)					
11/15/2017	0.28 (J)					
3/2/2018	0.18 (J)					
7/13/2018	0.19 (J)					
11/8/2018	0.12 (J)					
1/30/2019						0.43
3/13/2019	0.086 (J)					
8/28/2019	0.07 (J)					
10/16/2019	0.13 (J)					
10/21/2019						0.23 (J)
3/9/2020	0.068 (J)					
8/13/2020	0.084 (J)					0.11
8/17/2020			<0.1			
9/23/2020	0.064 (J)					
9/24/2020						0.093 (J)
9/25/2020			<0.1			
12/9/2020				0.075 (J)		
3/8/2021			<0.1	0.32		
3/10/2021	0.055 (J)					
3/12/2021						0.11
4/15/2021					0.3	
9/9/2021						0.14
9/13/2021			<0.1			
9/15/2021				0.078 (J)		
9/16/2021	0.11				0.34	
1/19/2022				0.058 (J)	0.25	
1/20/2022						0.099 (J)
1/21/2022			<0.1			
1/25/2022	0.054 (J)					
6/6/2022		0.056 (J)				
9/7/2022	0.11			0.11	0.27	
9/8/2022		0.093 (J)	0.072 (J)			
9/9/2022						0.13
2/1/2023	0.1			0.089 (J)	0.3	
2/2/2023		0.11	0.052 (J)			0.16
5/2/2023		0.076 (J)				
9/6/2023			<0.1			
9/7/2023	0.063 (J)			0.1	0.32	0.13
9/8/2023		<0.1				
1/30/2024				0.081 (J)		
1/31/2024	0.086 (J)	0.07 (J)	0.063 (J)			
2/1/2024					0.29	0.14
5/20/2024		0.062 (J)				
9/4/2024		0.082 (J)				
9/5/2024	0.11		0.069 (J)	0.13		
9/9/2024					0.34	0.18
2/7/2025				0.098 (J)		
2/10/2025	0.21	<0.1			0.24	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-69	DGWC-121	B-100	B-105D	B-112D	B-62
2/11/2025						0.21
2/12/2025			<0.1			
9/9/2025					0.3	
9/15/2025						0.14
9/16/2025	0.23	<0.1	<0.1			
9/17/2025				0.058 (J)		
Mean	0.1304	0.0849	0.088	0.1088	0.295	0.1644
Std. Dev.	0.0672	0.01841	0.01832	0.07326	0.03408	0.08622
Upper Lim.	0.1639	0.09119	0.1	0.13	0.3254	0.2001
Lower Lim.	0.09691	0.06251	0.063	0.058	0.2646	0.1134

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-39	DGWC-40	DGWC-67	DGWC-68A
9/2/2016				<0.001		
9/8/2016	<0.001	<0.001	<0.001			
12/7/2016	<0.001	<0.001	<0.001			
12/8/2016				<0.001		
3/30/2017	0.0014 (J)	<0.001	<0.001	7E-05 (J)		
3/31/2017					<0.001	
5/12/2017					9E-05 (J)	<0.001
6/16/2017					<0.001	<0.001
7/13/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/8/2017						<0.001
10/26/2017	<0.001	0.0001 (J)	<0.001	7E-05 (J)	<0.001	<0.001
3/1/2018	<0.001	<0.001	<0.001			
3/2/2018				<0.001	<0.001	<0.001
7/12/2018	<0.001	<0.001	<0.001	<0.001		
7/13/2018					<0.001	<0.001
11/8/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/28/2019	6.1E-05 (J)	<0.001	8E-05 (J)	8.1E-05 (J)	<0.001	<0.001
10/16/2019						<0.001
10/17/2019					<0.001	
10/18/2019	<0.001	7.4E-05 (J)	<0.001	0.00015 (J)		
3/4/2020				0.00017 (J)		
3/9/2020	<0.001	6.1E-05 (J)	<0.001		4.7E-05 (J)	<0.001
8/13/2020	<0.001	<0.001	<0.001	4.9E-05 (J)	5.6E-05 (J)	<0.001
9/23/2020				0.00028 (J)	<0.001	0.00035 (J)
9/24/2020	<0.001	0.00014 (J)				
9/25/2020			0.00022 (J)			
3/8/2021				5.4E-05 (J)		
3/10/2021						6.7E-05 (J)
3/11/2021	<0.001	0.00014 (J)	<0.001		0.00025 (J)	
9/14/2021				<0.001		
9/15/2021		<0.001				
9/16/2021	<0.001				<0.001	<0.001
9/17/2021			<0.001			
1/19/2022				<0.001	<0.001	
1/20/2022			<0.001			
1/21/2022	<0.001	<0.001				
1/25/2022						<0.001
9/7/2022			<0.001	<0.001		<0.001
9/8/2022					<0.001	
9/9/2022	<0.001					
9/12/2022		<0.001				
2/1/2023				<0.001		<0.001
2/2/2023	<0.001	<0.001			<0.001	
2/3/2023			<0.001			
9/6/2023	<0.001					
9/7/2023		<0.001	<0.001	<0.001	<0.001	<0.001
1/30/2024		<0.001		<0.001		
1/31/2024	<0.001		<0.001			<0.001
2/1/2024					<0.001	
9/4/2024	<0.001	<0.001	<0.001			
9/5/2024				<0.001	<0.001	<0.001
2/7/2025		<0.001	<0.001	<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-39	DGWC-40	DGWC-67	DGWC-68A
2/10/2025	<0.001				<0.001	<0.001
9/9/2025					0.0024	0.0018
9/15/2025		<0.001				
9/16/2025	<0.001		<0.001	<0.001		
Mean	0.0009766	0.000805	0.0009261	0.0006923	0.0009062	0.000966
Std. Dev.	0.0002163	0.0003786	0.0002458	0.0004331	0.0004742	0.0002944
Upper Lim.	0.0014	0.001	0.001	0.001	0.001	0.0018
Lower Lim.	6.1E-05	0.00014	0.00022	0.00015	0.00025	0.00035

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-69	B-100	B-105D	B-112D	B-62
3/31/2017	<0.001				
5/12/2017	0.0001 (J)				
6/16/2017	<0.001				
7/13/2017	<0.001				
10/26/2017	<0.001				
11/15/2017	9E-05 (J)				
3/2/2018	<0.001				
7/13/2018	<0.001				
11/8/2018	<0.001				
1/30/2019					<0.001
8/28/2019	<0.001				
9/11/2019					<0.001
10/16/2019	<0.001				
10/21/2019					<0.001
3/9/2020	9E-05 (J)				
8/13/2020	5.9E-05 (J)				<0.001
8/17/2020		8.8E-05 (J)			
9/23/2020	0.00017 (J)				
9/24/2020					<0.001
9/25/2020		0.00021 (J)			
12/9/2020			5.2E-05 (J)		
3/8/2021		0.00018 (J)	<0.001		
3/10/2021	0.0001 (J)				
3/12/2021					<0.001
4/15/2021				0.00014 (J)	
9/9/2021					<0.001
9/13/2021		<0.001			
9/15/2021			<0.001		
9/16/2021	<0.001			<0.001	
1/19/2022			<0.001	<0.001	
1/20/2022					<0.001
1/21/2022		<0.001			
1/25/2022	<0.001				
9/7/2022	<0.001		<0.001	<0.001	
9/8/2022		<0.001			
9/9/2022					<0.001
2/1/2023	<0.001		<0.001	<0.001	
2/2/2023		<0.001			<0.001
9/6/2023		<0.001			
9/7/2023	0.0002 (J)		<0.001	<0.001	<0.001
1/30/2024			<0.001		
1/31/2024	<0.001	<0.001			
2/1/2024				<0.001	<0.001
9/5/2024	<0.001	<0.001	<0.001		
9/9/2024				<0.001	<0.001
2/7/2025			<0.001		
2/10/2025	<0.001			0.0037	
2/11/2025					0.0031
2/12/2025		<0.001			
9/9/2025				0.0021	
9/15/2025					<0.001
9/16/2025	<0.001	<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-69	B-100	B-105D	B-112D	B-62
9/17/2025			<0.001		
Mean	0.000742	0.0007898	0.0009138	0.001294	0.00114
Std. Dev.	0.0004114	0.0003812	0.0002858	0.0009647	0.0005422
Upper Lim.	0.001	0.001	0.001	0.0021	0.0031
Lower Lim.	0.00017	0.00018	0.001	0.001	0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/2/2016			0.0022 (J)			
9/8/2016	<0.002	0.0032 (J)				
12/7/2016	<0.002	0.0035 (J)				
12/8/2016			<0.002			
3/30/2017	0.0029 (J)	0.0035 (J)	0.0023 (J)			
3/31/2017				0.0052 (J)		0.0031 (J)
5/12/2017				0.0054 (J)	0.0016 (J)	0.003 (J)
6/16/2017				0.0048 (J)	<0.002	0.0031 (J)
7/13/2017	<0.002	0.0032 (J)	0.0023 (J)	0.0044 (J)	<0.002	0.0029 (J)
8/8/2017					<0.002	
10/26/2017	0.0018 (J)	0.0034 (J)	0.0021 (J)	0.0043 (J)	<0.002	0.0034 (J)
11/15/2017						0.0034 (J)
3/1/2018	0.0024 (J)	0.0033 (J)				
3/2/2018			0.0023 (J)	0.0047 (J)	<0.002	0.0028 (J)
7/12/2018	0.0028 (J)	0.0034 (J)	0.0022 (J)			
7/13/2018				0.0041 (J)	<0.002	0.0026 (J)
11/8/2018	0.0023 (J)	0.003 (J)	0.002 (J)	0.0039 (J)	<0.002	0.0025 (J)
8/28/2019	0.0025 (J)	0.0034 (J)	0.0022 (J)	0.0046 (J)	<0.002	0.0024 (J)
10/16/2019					<0.002	0.0032 (J)
10/17/2019				0.0047 (J)		
10/18/2019	0.0026 (J)	0.0032 (J)	0.0024 (J)			
3/4/2020			0.0027 (J)			
3/9/2020	0.0017 (J)	0.0033 (J)		0.0048 (J)	<0.002	0.0025 (J)
8/13/2020	0.0023 (J)	0.0028 (J)	0.0022 (J)	0.0044 (J)	<0.002	0.0031 (J)
9/23/2020			0.0022 (J)	0.0043 (J)	<0.002	0.0023 (J)
9/24/2020	0.0021 (J)	0.0029 (J)				
3/8/2021			0.0022 (J)			
3/10/2021					<0.002	0.0023 (J)
3/11/2021	0.0024 (J)	0.003 (J)		0.005 (J)		
9/14/2021			0.003 (J)			
9/15/2021		0.0029 (J)				
9/16/2021	0.0021 (J)			0.0044 (J)	0.00082 (J)	0.0023 (J)
1/19/2022			0.0024 (J)	0.0046 (J)		
1/21/2022	0.002 (J)	0.0025 (J)				
1/25/2022					<0.002	0.0026 (J)
9/7/2022			0.0023 (J)		<0.002	0.0025 (J)
9/8/2022				0.0048 (J)		
9/9/2022	0.0019 (J)					
9/12/2022		0.003 (J)				
2/1/2023			0.0021 (J)		<0.002	0.0021 (J)
2/2/2023	0.0018 (J)	0.0026 (J)		0.0048 (J)		
9/6/2023	0.0021 (J)					
9/7/2023		0.0026 (J)	0.0022 (J)	0.0046 (J)	<0.002	0.0022 (J)
1/30/2024		0.003 (J)	0.0023 (J)			
1/31/2024	<0.002				<0.002	0.0021 (J)
2/1/2024				0.0045 (J)		
9/4/2024	0.0019 (J)	0.0029 (J)				
9/5/2024			0.002 (J)	0.0045 (J)	<0.002	0.0021 (J)
2/7/2025		0.00317 (J)	0.00245 (J)			
2/10/2025	<0.002			0.0051 (J)	0.00102 (J)	0.0037 (J)
9/9/2025				0.00453	0.000956 (J)	
9/15/2025		0.00277				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-40	DGWC-67	DGWC-68A	DGWC-69
9/16/2025	0.00252		0.00284			0.00464
Mean	0.002179	0.003067	0.002256	0.004627	0.001843	0.002785
Std. Dev.	0.0003242	0.0002938	0.0003668	0.0003463	0.0003716	0.0006072
Upper Lim.	0.002253	0.003221	0.0024	0.004808	0.002	0.003095
Lower Lim.	0.001858	0.002913	0.0021	0.004446	0.0016	0.002475

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-121	B-100	B-105D	B-112D	B-62
1/30/2019					<0.002
9/11/2019					0.0078 (J)
10/21/2019					0.0078 (J)
8/13/2020					0.0087 (J)
8/17/2020		0.0013 (J)			
9/24/2020					0.0084 (J)
9/25/2020		0.0027 (J)			
12/9/2020			0.014 (J)		
3/8/2021		0.0024 (J)	0.015 (J)		
3/12/2021					0.0087 (J)
4/15/2021				0.0045 (J)	
9/9/2021					0.0094 (J)
9/13/2021		0.0022 (J)			
9/15/2021			0.014 (J)		
9/16/2021				0.0038 (J)	
1/19/2022			0.013 (J)	0.0044 (J)	
1/20/2022					0.0092 (J)
1/21/2022		0.0021 (J)			
6/6/2022	0.013 (J)				
9/7/2022			0.013 (J)	0.0039 (J)	
9/8/2022	0.01 (J)	0.0023 (J)			
9/9/2022					0.0085 (J)
2/1/2023			0.013 (J)	0.0038 (J)	
2/2/2023	0.0059 (J)	<0.002			0.0082 (J)
5/2/2023	0.0045 (J)				
9/6/2023		0.0023 (J)			
9/7/2023			0.013 (J)	0.0043 (J)	0.0092 (J)
9/8/2023	0.0055 (J)				
1/30/2024			0.013 (J)		
1/31/2024	0.0045 (J)	<0.002			
2/1/2024				0.0042 (J)	0.0094 (J)
5/20/2024	0.005 (J)				
9/4/2024	0.0046 (J)				
9/5/2024		0.0019 (J)	0.011 (J)		
9/9/2024				0.0042 (J)	0.0093 (J)
2/7/2025			0.0127 (J)		
2/10/2025	0.0052 (J)			0.00375 (J)	
2/11/2025					0.0165 (J)
2/12/2025		0.00209 (J)			
9/9/2025				0.0042	
9/15/2025					0.00895
9/16/2025	0.00558	0.00275			
9/17/2025			0.0125		
Mean	0.006378	0.00217	0.01311	0.004105	0.008737
Std. Dev.	0.002831	0.0003818	0.00101	0.0002713	0.002976
Upper Lim.	0.01	0.002419	0.01395	0.004347	0.0094
Lower Lim.	0.0045	0.001708	0.01227	0.003863	0.0078

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-39	DGWC-40	DGWC-67	DGWC-68A
9/2/2016				4.4E-05 (J)		
9/8/2016	<0.0002	<0.0002	<0.0002			
12/7/2016	<0.0002	<0.0002	<0.0002			
12/8/2016				<0.0002		
3/30/2017	6E-05 (J)	7E-05 (J)	5.9E-05 (J)	9E-05 (J)		
3/31/2017					<0.0002	
5/12/2017					<0.0002	<0.0002
6/16/2017					7E-05 (J)	7E-05 (J)
7/13/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/8/2017						<0.0002
10/26/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/1/2018	<0.0002	<0.0002	<0.0002			
3/2/2018				<0.0002	<0.0002	<0.0002
7/12/2018	4.4E-05 (J)	4E-05 (J)	<0.0002	4.5E-05 (J)		
7/13/2018					<0.0002	<0.0002
11/8/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/28/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
10/16/2019						<0.0002
10/17/2019					<0.0002	
10/18/2019	<0.0002	<0.0002	<0.0002	<0.0002		
3/4/2020				<0.0002		
3/9/2020	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
8/13/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/23/2020				<0.0002	<0.0002	<0.0002
9/24/2020	9.1E-05 (J)	8.5E-05 (J)				
9/25/2020			<0.0002			
9/14/2021				<0.0002		
9/15/2021		<0.0002				
9/16/2021	<0.0002				<0.0002	<0.0002
9/17/2021			<0.0002			
1/19/2022				<0.0002	<0.0002	
1/20/2022			<0.0002			
1/21/2022	<0.0002	<0.0002				
1/25/2022						<0.0002
9/7/2022			<0.0002	<0.0002		<0.0002
9/8/2022					<0.0002	
9/9/2022	<0.0002					
9/12/2022		<0.0002				
2/1/2023				<0.0002		<0.0002
2/2/2023	<0.0002	<0.0002			<0.0002	
2/3/2023			<0.0002			
9/6/2023	<0.0002					
9/7/2023		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1/30/2024		<0.0002		<0.0002		
1/31/2024	<0.0002		<0.0002			<0.0002
2/1/2024					<0.0002	
9/4/2024	<0.0002	<0.0002	<0.0002			
9/5/2024				<0.0002	<0.0002	<0.0002
2/7/2025		<0.0002	<0.0002	<0.0002		
2/10/2025	<0.0002				<0.0002	<0.0002
9/9/2025					<0.0002	<0.0002
9/15/2025		<0.0002				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-37	DGWC-38	DGWC-39	DGWC-40	DGWC-67	DGWC-68A
9/16/2025	<0.0002		<0.0002	<0.0002		
Mean	0.0001816	0.0001816	0.0001936	0.0001809	0.0001941	0.0001941
Std. Dev.	4.799E-05	4.794E-05	3.006E-05	4.995E-05	2.772E-05	2.772E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	9.1E-05	8.5E-05	5.9E-05	9E-05	7E-05	7E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-69	B-100	B-105D
3/31/2017	<0.0002		
5/12/2017	<0.0002		
6/16/2017	7E-05 (J)		
7/13/2017	<0.0002		
10/26/2017	<0.0002		
11/15/2017	<0.0002		
3/2/2018	<0.0002		
7/13/2018	<0.0002		
11/8/2018	<0.0002		
8/28/2019	<0.0002		
10/16/2019	<0.0002		
3/9/2020	<0.0002		
8/13/2020	<0.0002		
8/17/2020		0.00011 (J)	
9/23/2020	<0.0002		
9/25/2020		<0.0002	
12/9/2020			8.7E-05 (J)
9/13/2021		<0.0002	
9/15/2021			<0.0002
9/16/2021	<0.0002		
1/19/2022			<0.0002
1/21/2022		<0.0002	
1/25/2022	<0.0002		
9/7/2022	<0.0002		0.00014 (J)
9/8/2022		<0.0002	
2/1/2023	<0.0002		<0.0002
2/2/2023		<0.0002	
9/6/2023		<0.0002	
9/7/2023	<0.0002		<0.0002
1/30/2024			<0.0002
1/31/2024	<0.0002	<0.0002	
9/5/2024	<0.0002	<0.0002	<0.0002
2/7/2025			<0.0002
2/10/2025	<0.0002		
2/12/2025		<0.0002	
9/16/2025	<0.0002	<0.0002	
9/17/2025			<0.0002
Mean	0.0001943	0.0001918	0.0001827
Std. Dev.	2.711E-05	2.714E-05	3.855E-05
Upper Lim.	0.0002	0.0002	0.0002
Lower Lim.	7E-05	0.0002	0.00014

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-38	DGWC-39	DGWC-67	DGWC-68A	DGWC-69	DGWC-121
9/8/2016	<0.01	<0.01				
12/7/2016	<0.01	<0.01				
3/30/2017	0.0011 (J)	<0.01				
3/31/2017			<0.01		0.0124	
5/12/2017			<0.01	0.275	0.0117	
6/16/2017			<0.01	0.19	0.0087 (J)	
7/13/2017	0.0012 (J)	<0.01	<0.01	0.211	0.0053 (J)	
8/8/2017				0.207		
10/26/2017	0.0011 (J)	<0.01	<0.01	0.226	0.0244	
11/15/2017					0.0237	
3/1/2018	<0.01	<0.01				
3/2/2018			<0.01	0.215	0.0072 (J)	
7/12/2018	<0.01	<0.01				
7/13/2018			<0.01	0.22	0.007 (J)	
11/8/2018	<0.01	<0.01	<0.01	0.2	0.0059 (J)	
8/28/2019	<0.01	<0.01	<0.01	0.21	0.0059 (J)	
10/16/2019				0.22	0.01	
10/17/2019			<0.01			
10/18/2019	<0.01	<0.01				
3/9/2020	0.001 (J)	<0.01	<0.01	0.19	0.0062 (J)	
8/13/2020	0.00098 (J)	<0.01	<0.01	0.19	0.011	
9/23/2020			<0.01	0.2	0.0056 (J)	
9/24/2020	0.001 (J)					
9/25/2020		<0.01				
3/10/2021				0.2	0.0056 (J)	
3/11/2021	0.00092 (J)	<0.01	<0.01			
9/15/2021	0.00099 (J)					
9/16/2021			<0.01	0.18	0.009 (J)	
9/17/2021		<0.01				
1/19/2022			<0.01			
1/20/2022		<0.01				
1/21/2022	0.0013 (J)					
1/25/2022				0.23	0.0057 (J)	
6/6/2022						0.00093 (J)
9/7/2022		<0.01		0.2	0.0067 (J)	
9/8/2022			<0.01			<0.01
9/12/2022	0.0012 (J)					
2/1/2023				0.19	0.0058 (J)	
2/2/2023	0.0015 (J)		<0.01			<0.01
2/3/2023		<0.01				
5/2/2023						0.00089 (J)
9/7/2023	0.0013 (J)	0.0016 (J)	0.0013 (J)	0.18	0.0056 (J)	
9/8/2023						<0.01
1/30/2024	0.0018 (J)					
1/31/2024		<0.01		0.2	0.0066 (J)	0.00092 (J)
2/1/2024			<0.01			
5/20/2024						<0.01
9/4/2024	0.0012 (J)	<0.01				<0.01
9/5/2024			<0.01	0.19	0.0076 (J)	
2/7/2025	<0.01	<0.01				
2/10/2025			<0.01	0.18	0.029	<0.01
9/9/2025			<0.01	0.19		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-38	DGWC-39	DGWC-67	DGWC-68A	DGWC-69	DGWC-121
9/15/2025	<0.01					
9/16/2025		<0.01			0.029	<0.01
Mean	0.004634	0.009635	0.009622	0.2041	0.01065	0.007274
Std. Dev.	0.004403	0.001752	0.001814	0.02123	0.007601	0.004389
Upper Lim.	0.01	0.01	0.01	0.2138	0.0117	0.01
Lower Lim.	0.0011	0.0016	0.0013	0.193	0.0058	0.00092

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	B-100	B-105D	B-112D
8/17/2020	<0.01		
9/25/2020	<0.01		
12/9/2020		<0.01	
3/8/2021	<0.01	0.0011 (J)	
4/15/2021			0.037
9/13/2021	<0.01		
9/15/2021		<0.01	
9/16/2021			0.032
1/19/2022		<0.01	0.032
1/21/2022	<0.01		
9/7/2022		<0.01	0.028
9/8/2022	<0.01		
2/1/2023		<0.01	0.03
2/2/2023	0.19		
9/6/2023	<0.01		
9/7/2023		<0.01	0.026
1/30/2024		<0.01	
1/31/2024	<0.01		
2/1/2024			0.027
9/5/2024	<0.01	<0.01	
9/9/2024			0.026
2/7/2025		<0.01	
2/10/2025			0.028
2/12/2025	<0.01		
9/9/2025			0.025
9/16/2025	<0.01		
9/17/2025		<0.01	
Mean	0.025	0.009191	0.0291
Std. Dev.	0.05196	0.002683	0.003695
Upper Lim.	0.19	0.01	0.0324
Lower Lim.	0.01	0.01	0.0258

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-38	DGWC-40	DGWC-67	DGWC-68A	B-100
9/2/2016		0.0019 (J)			
9/8/2016	<0.005				
12/7/2016	<0.005				
12/8/2016		0.0022 (J)			
3/30/2017	<0.005	0.0023 (J)			
3/31/2017			<0.005		
5/12/2017			<0.005	<0.005	
6/16/2017			<0.005	<0.005	
7/13/2017	<0.005	0.0025 (J)	<0.005	<0.005	
8/8/2017				<0.005	
10/26/2017	<0.005	0.0036 (J)	<0.005	<0.005	
3/1/2018	<0.005				
3/2/2018		0.0045 (J)	<0.005	<0.005	
7/12/2018	<0.005	<0.005			
7/13/2018			<0.005	<0.005	
11/8/2018	<0.005	0.0016 (J)	<0.005	<0.005	
8/28/2019	<0.005	0.0017 (J)	<0.005	<0.005	
10/16/2019				<0.005	
10/17/2019			<0.005		
10/18/2019	<0.005	0.0027 (J)			
3/4/2020		0.0049 (J)			
3/9/2020	<0.005		<0.005	<0.005	
8/13/2020	<0.005	0.0018 (J)	<0.005	<0.005	
8/17/2020					<0.005
9/23/2020		0.0067 (J)	<0.005	<0.005	
9/24/2020	<0.005				
9/25/2020					<0.005
3/8/2021		0.0023 (J)			0.0019 (J)
3/10/2021				0.0017 (J)	
3/11/2021	0.0019 (J)		0.0027 (J)		
9/13/2021					<0.005
9/14/2021		0.0015 (J)			
9/15/2021	<0.005				
9/16/2021			<0.005	<0.005	
1/19/2022		<0.005	<0.005		
1/21/2022	<0.005				<0.005
1/25/2022				<0.005	
9/7/2022		0.0018 (J)		<0.005	
9/8/2022			<0.005		<0.005
9/12/2022	<0.005				
2/1/2023		<0.005		<0.005	
2/2/2023	<0.005		<0.005		<0.005
9/6/2023					<0.005
9/7/2023	<0.005	<0.005	<0.005	<0.005	
1/30/2024	<0.005	0.0027 (J)			
1/31/2024				<0.005	<0.005
2/1/2024			<0.005		
9/4/2024	<0.005				
9/5/2024		<0.005	<0.005	<0.005	<0.005
2/7/2025	<0.005	0.0037 (J)			
2/10/2025			<0.005	<0.005	
2/12/2025					<0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-38	DGWC-40	DGWC-67	DGWC-68A	B-100
9/9/2025			<0.005	<0.005	
9/15/2025	<0.005				
9/16/2025		<0.005			<0.005
Mean	0.004865	0.003409	0.0049	0.004857	0.004742
Std. Dev.	0.0006464	0.001546	0.0004796	0.0006881	0.0008949
Upper Lim.	0.005	0.003211	0.005	0.005	0.005
Lower Lim.	0.0019	0.001972	0.0027	0.0017	0.0019

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-38	DGWC-39	DGWC-40	DGWC-68A	B-112D
9/2/2016			<0.0005		
9/8/2016	<0.0005	<0.0005			
12/7/2016	<0.0005	<0.0005			
12/8/2016			<0.0005		
3/30/2017	0.0001 (J)	0.0001 (J)	6E-05 (J)		
5/12/2017				<0.0005	
6/16/2017				<0.0005	
7/13/2017	0.0001 (J)	9E-05 (J)	6E-05 (J)	<0.0005	
8/8/2017				<0.0005	
10/26/2017	0.0001 (J)	0.0001 (J)	7E-05 (J)	<0.0005	
3/1/2018	<0.0005	<0.0005			
3/2/2018			<0.0005	<0.0005	
7/12/2018	<0.0005	<0.0005	<0.0005		
7/13/2018				0.00015 (J)	
11/8/2018	<0.0005	<0.0005	<0.0005	<0.0005	
8/28/2019	0.00014 (J)	6.9E-05 (J)	7E-05 (J)	<0.0005	
10/16/2019				<0.0005	
10/18/2019	0.0001 (J)	<0.0005	<0.0005		
3/4/2020			6.8E-05 (J)		
3/9/2020	0.00016 (J)	7.1E-05 (J)		<0.0005	
8/13/2020	0.00016 (J)	<0.0005	<0.0005	<0.0005	
9/23/2020			<0.0005	<0.0005	
9/24/2020	0.00015 (J)				
9/25/2020		<0.0005			
3/8/2021			<0.0005		
3/10/2021				<0.0005	
3/11/2021	<0.0005	<0.0005			
4/15/2021					<0.0005
9/14/2021			<0.0005		
9/15/2021	<0.0005				
9/16/2021				<0.0005	<0.0005
9/17/2021		<0.0005			
1/19/2022			<0.0005		<0.0005
1/20/2022		<0.0005			
1/21/2022	<0.0005				
1/25/2022				<0.0005	
9/7/2022		<0.0005	<0.0005	<0.0005	<0.0005
9/12/2022	<0.0005				
2/1/2023			<0.0005	<0.0005	<0.0005
2/2/2023	<0.0005				
2/3/2023		<0.0005			
9/7/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1/30/2024	<0.0005		<0.0005		
1/31/2024		<0.0005		<0.0005	
2/1/2024					<0.0005
9/4/2024	<0.0005	<0.0005			
9/5/2024			<0.0005	<0.0005	
9/9/2024					<0.0005
2/7/2025	0.00018 (J)	<0.0005	<0.0005		
2/10/2025				<0.0005	0.00016 (J)
9/9/2025				<0.0005	<0.0005
9/15/2025	<0.0005				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/19/2025 10:38 AM View: Appendix IV - Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP-1

	DGWC-38	DGWC-39	DGWC-40	DGWC-68A	B-112D
9/16/2025		<0.0005	0.00019 (J)		
Mean	0.0003561	0.00041	0.0003921	0.0004848	0.000466
Std. Dev.	0.0001846	0.0001747	0.0001873	7.298E-05	0.0001075
Upper Lim.	0.0005	0.0005	0.0005	0.0005	0.0005
Lower Lim.	0.00015	0.0001	0.00019	0.00015	0.0005

ND substitution: RL or RL/2 if <15% NDs.

FIGURE J.

Appendix IV Trend Tests - Confidence Interval Exceedances - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:41 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	**DGWC-69**	**0.002686**	**106**	**85**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**DGWA-53 (bg)**	**-0.002826**	**-169**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**DGWA-71 (bg)**	**0**	**80**	**76**	**Yes**	**23**	**78.26**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**B-100**	**-0.008756**	**-40**	**-37**	**Yes**	**14**	**7.143**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**DGWA-53 (bg)**	**-0.001775**	**-98**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**DGWC-68A**	**-0.0036**	**-108**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Confidence Interval Exceedances - All Results

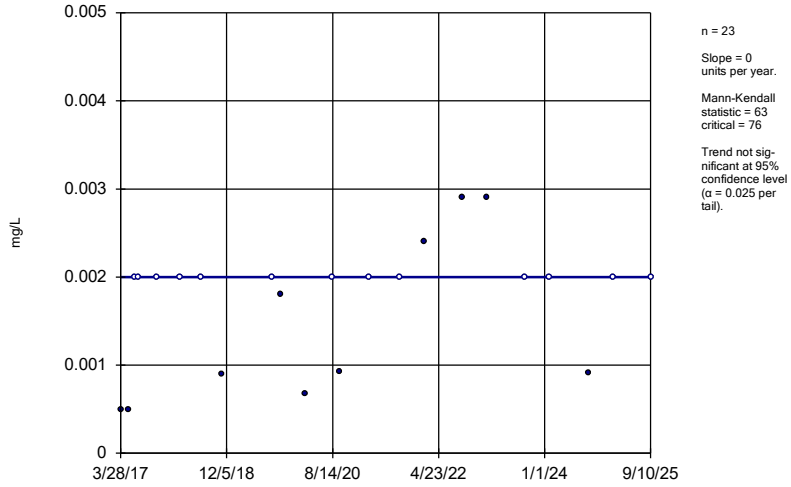
Plant McDonough Client: Southern Company Data: McDonough AP-1 Printed 11/19/2025, 10:41 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	DGWA-53 (bg)	0	63	76	No	23	56.52	n/a	n/a	0.05	NP
Arsenic (mg/L)	DGWA-70A (bg)	0	21	76	No	23	86.96	n/a	n/a	0.05	NP
Arsenic (mg/L)	DGWA-71 (bg)	0	31	76	No	23	86.96	n/a	n/a	0.05	NP
Arsenic (mg/L)	**DGWC-69**	**0.002686**	**106**	**85**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**DGWA-53 (bg)**	**-0.002826**	**-169**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	DGWA-70A (bg)	0	71	76	No	23	65.22	n/a	n/a	0.05	NP
Cobalt (mg/L)	**DGWA-71 (bg)**	**0**	**80**	**76**	**Yes**	**23**	**78.26**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	DGWC-40	-0.0002161	-26	-76	No	23	0	n/a	n/a	0.05	NP
Cobalt (mg/L)	**B-100**	**-0.008756**	**-40**	**-37**	**Yes**	**14**	**7.143**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**DGWA-53 (bg)**	**-0.001775**	**-98**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	DGWA-70A (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	DGWA-71 (bg)	0	22	76	No	23	95.65	n/a	n/a	0.05	NP
Molybdenum (mg/L)	**DGWC-68A**	**-0.0036**	**-108**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-53 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 63 critical = 76

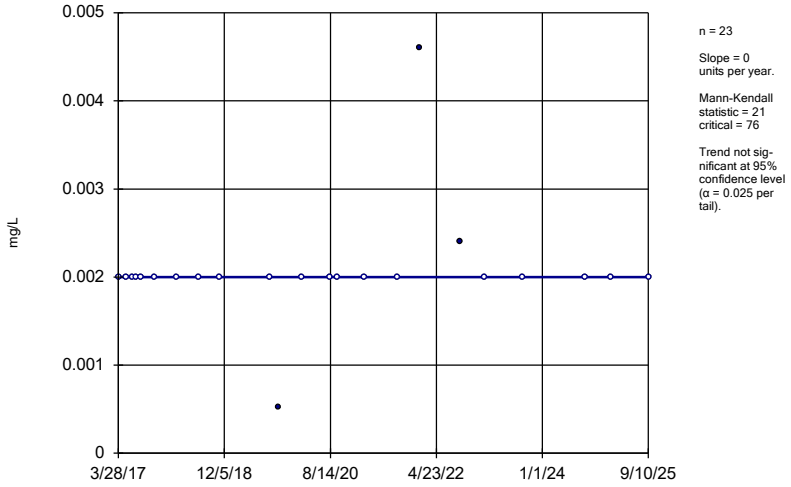
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 11/19/2025 10:40 AM View: Appendix IV - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-70A (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 21 critical = 76

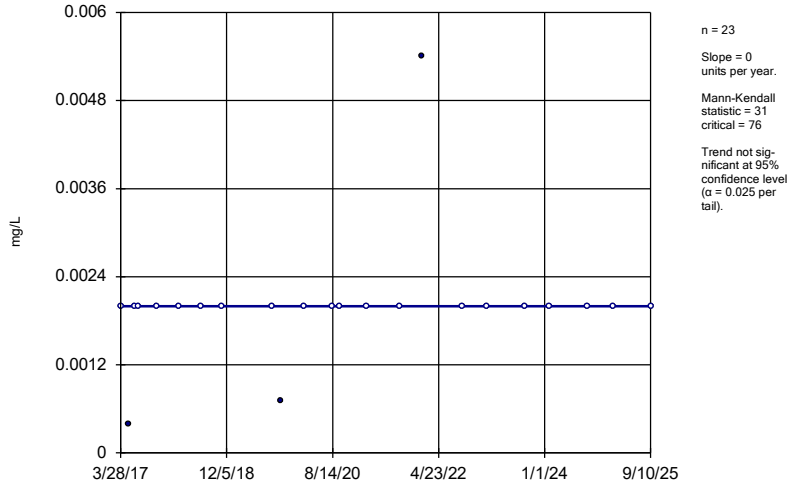
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 11/19/2025 10:40 AM View: Appendix IV - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-71 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 31 critical = 76

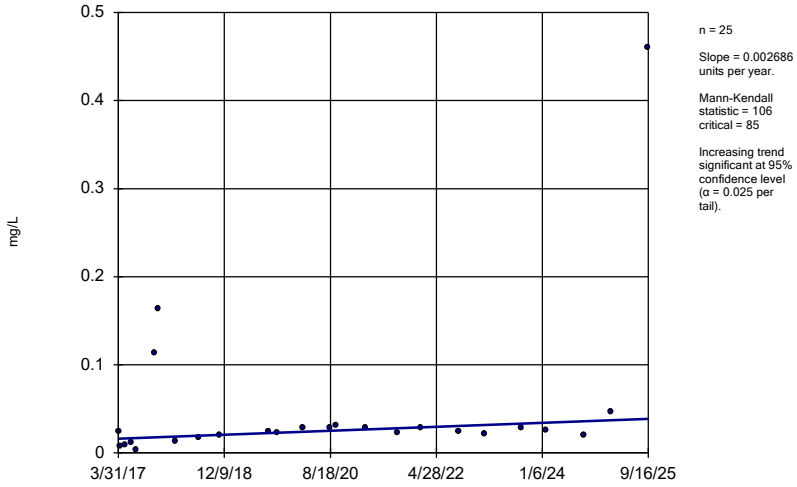
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 11/19/2025 10:40 AM View: Appendix IV - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

DGWC-69



n = 25

Slope = 0.002686 units per year.

Mann-Kendall statistic = 106 critical = 85

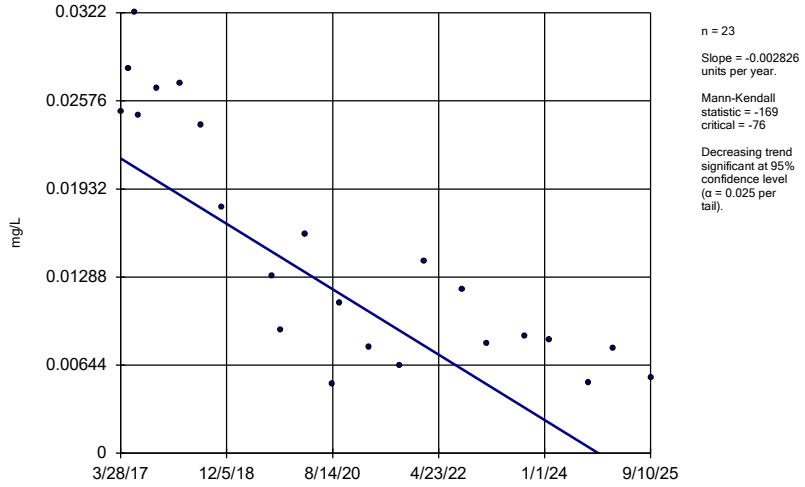
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 11/19/2025 10:40 AM View: Appendix IV - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

DGWA-53 (bg)



n = 23

Slope = -0.002826 units per year.

Mann-Kendall statistic = -169
critical = -76

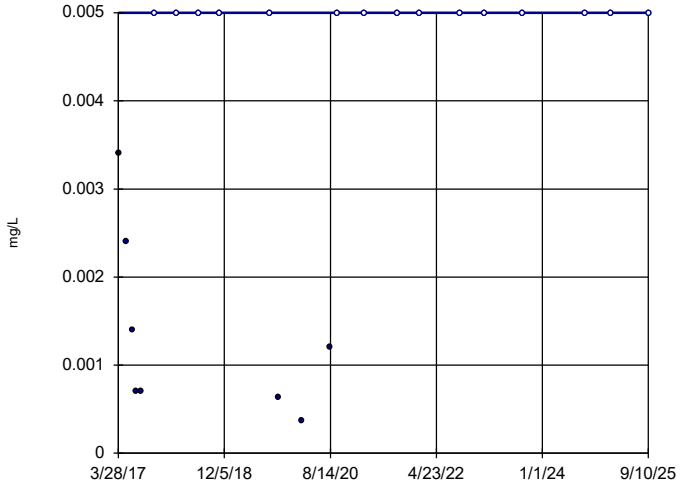
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 11/19/2025 10:40 AM View: Appendix IV - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-70A (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 71
critical = 76

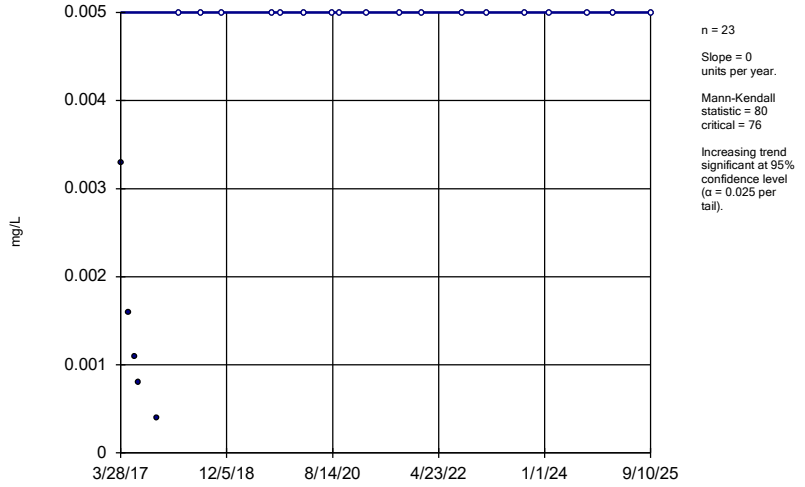
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 11/19/2025 10:40 AM View: Appendix IV - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-71 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 80
critical = 76

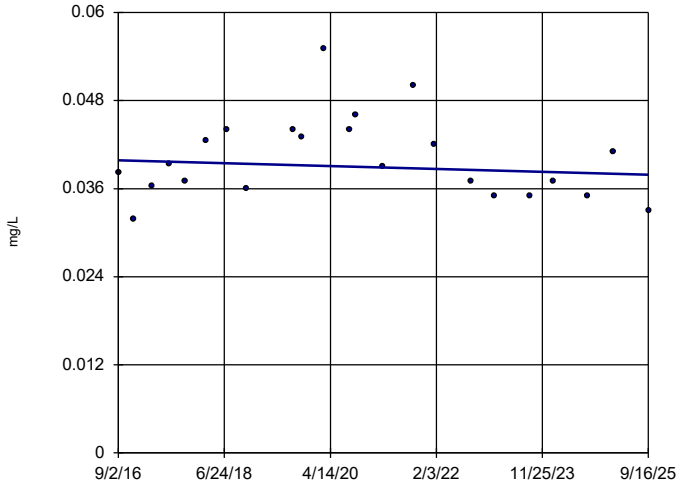
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 11/19/2025 10:40 AM View: Appendix IV - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

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Sen's Slope Estimator

DGWC-40



n = 23

Slope = -0.0002161 units per year.

Mann-Kendall statistic = -26
critical = -76

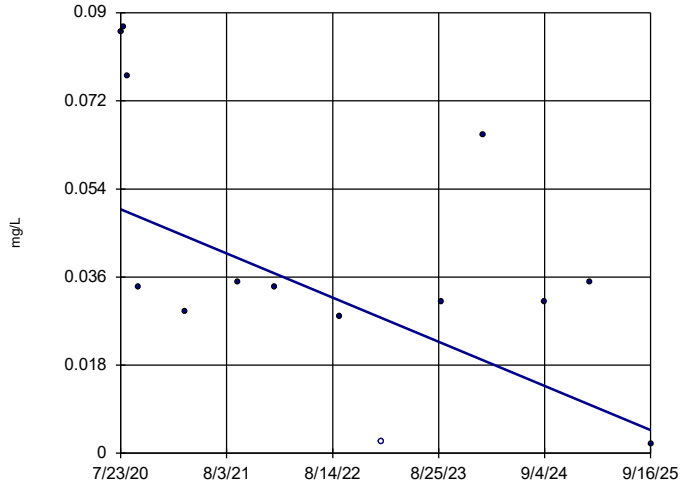
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 11/19/2025 10:40 AM View: Appendix IV - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

B-100



n = 14

Slope = -0.008756 units per year.

Mann-Kendall statistic = -40
critical = -37

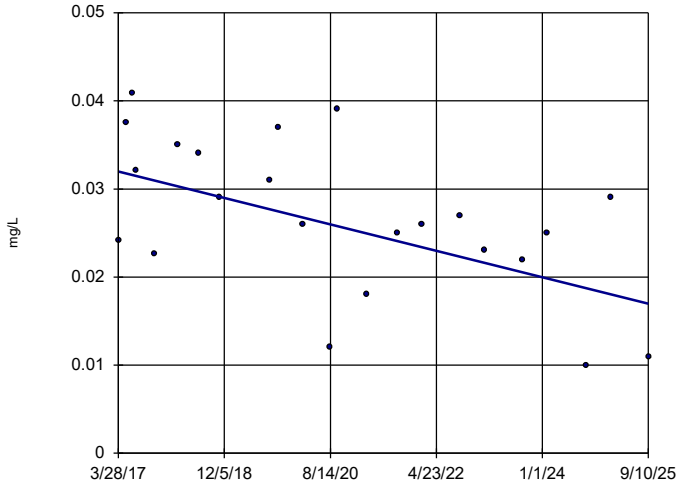
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 11/19/2025 10:40 AM View: Appendix IV - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

DGWA-53 (bg)



n = 23

Slope = -0.001775 units per year.

Mann-Kendall statistic = -98
critical = -76

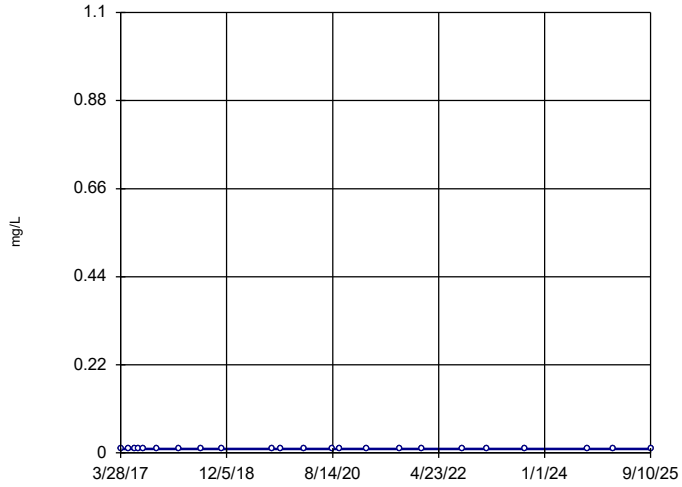
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 11/19/2025 10:40 AM View: Appendix IV - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-70A (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 76

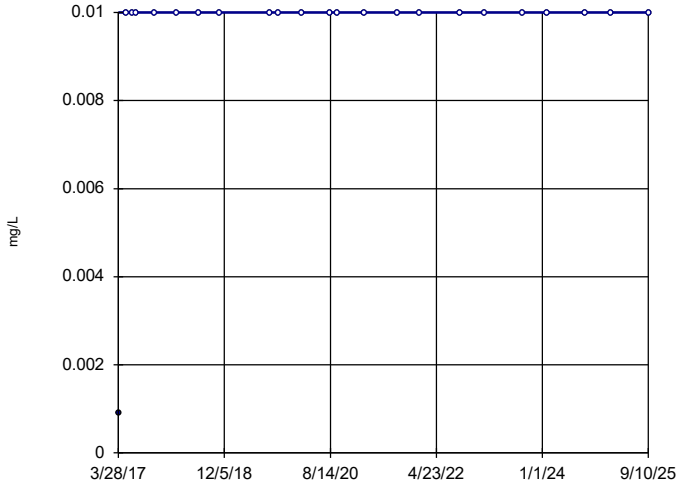
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 11/19/2025 10:40 AM View: Appendix IV - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-71 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 22
critical = 76

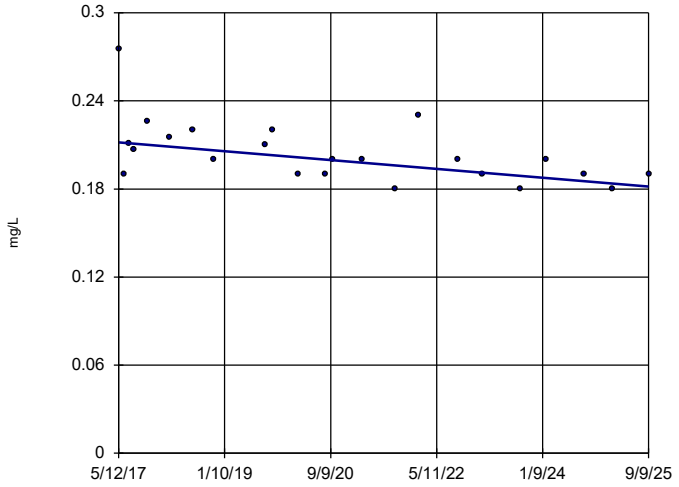
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 11/19/2025 10:40 AM View: Appendix IV - Trend Testing
Plant McDonough Client: Southern Company Data: McDonough AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

DGWC-68A



n = 23

Slope = -0.0036 units per year.

Mann-Kendall statistic = -108
critical = -76

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 11/19/2025 10:40 AM View: Appendix IV - Trend Testing

Plant McDonough Client: Southern Company Data: McDonough AP-1

APPENDIX F

Monitoring Well Installation (DGWC-134, DGWC-135, and B-136D) Report

November 11, 2025 Project No. US-WSP-31406440.McD23

Mr. Joju Abraham, PG
Southern Company Services
241 Ralph McGill Blvd., NE
Atlanta, Georgia 30308

WELL DESIGN AND INSTALLATION REPORT (DGWC-134, DGWC-135, AND B-136D)
GEORGIA POWER COMPANY - PLANT MCDONOUGH, SMYRNA, GEORGIA

Dear Mr. Abraham,

WSP USA Inc. (WSP) is submitting this *Well Design and Installation Report* to Southern Company Services, Inc. (SCS) and Georgia Power Company (Georgia Power) to document the construction of two detection monitoring wells and one piezometer at Plant McDonough in Smyrna, Georgia (Site). Monitoring well/piezometer construction activities were performed in general accordance with the standards described in the United States Environmental Protection Agency, Region 4 Science and Ecosystem Support Division, Operating Procedure for *Design and Installation of Monitoring Wells* (SESDGUID-101-R2 January 16, 2018) and the Georgia Water Wells Standards Act of 1985. Installation of the wells/piezometer was conducted under the oversight and direction of a Georgia Registered Professional Geologist (PG).

The field activities for this investigation were performed in September 2025. The field work consisted of the installation and development of two wells and one piezometer. Following installation, Metro Engineering & Surveying (Metro) conducted a survey of the installed wells/piezometer in September 2025. A summary of the activities is presented below. Figure 1 presents the location of each of the newly installed wells/piezometer.

Well Drilling and Construction Activities

The two wells and piezometer (DGWC-134, DGWC-135, and B-136D) were drilled and installed at the facility between September 5 and September 8, 2025 by Cascade Drilling, L.P. (Cascade), contracted through SCS. Cascade had a current and valid bond with the Water Wells Standards Advisory Council for the state of Georgia at the time of drilling (Attachment A). The driller's name is provided on the boring/construction diagrams presented in Attachment B.

Drilling and ell construction were completed under the supervision of a Professional Geologist registered to practice in Georgia. The rotosonic drilling technique was employed for borehole advancement, using a track-mounted TSI 150 rotosonic drill rig equipped with 4-inch sampling rods and a 6-inch casing sleeve. Continuous core samples were logged in the field for lithologic and geotechnical properties, then placed in core boxes and retained by SCS.

Downhole equipment was decontaminated prior to first use on site and between boreholes. The boring (lithologic) logs and well/piezometer construction records for the newly installed wells and piezometer are included in Attachment B. The construction data are summarized in Table 1, and the locations of the wells/piezometer are provided on Figure 1.

The two wells and piezometer were constructed within the borehole using factory-cleaned and sealed Schedule 40 polyvinyl chloride (PVC) products with flush-threaded fittings. Wells and the piezometer were constructed with a 10-foot section of 3.25-inch outer diameter (OD) and 2-inch inner diameter (ID), flush-threaded, 0.010-inch factory-slotted PVC U-Pack screen. The well depths for DGWC-134, DGWC-135, and B-136D are shown in Table 1.

A flush-threaded PVC end cap was placed on the bottom of each well/piezometer screen to provide a 0.40-foot sump/sediment trap and the annulus of the U-Pack screen section was filled with No. 2 filter sand, prior to insertion into the borehole. The screen was placed near the bottom of each borehole, with the remainder of the well/piezometer constructed from 10-foot sections of 2-inch ID, flush-threaded, PVC casing riser. The top of the wells/piezometer extend from approximately 2.5-feet above grade to 0.04-feet below grade. Construction details for the wells/piezometer are shown on the boring/construction logs in Attachment B. The PVC products used were American Society for Testing and Materials (ASTM) and National Sanitation Foundation (NSF) rated.

Following placement of the screen and casing, the annular space in each borehole adjacent to the screen was filled with approximately 1.75 cubic feet of US Standard Sieve size No. 2 filter pack sand as appropriate for the formation. The filter pack sand was placed into the borehole using the tremie-pipe method and extends a minimum of 2 feet above the top of the screen. Immediately following placement of the filter pack, the wells/piezometer were pumped using a portable submersible pump until visibly clear water was discharged. A filter pack seal, composed of approximately 3.3 to 5.0 feet (i.e., greater than the minimum of 2 feet) of 3/8” coated bentonite pellets (approximately 5 gallons) was then placed on top of the filter pack by slowly flowing the dry pellets by gravity down the borehole and checking the placement thickness with a weighted tape. Potable water was then added to the boring and the bentonite was allowed to hydrate for a minimum of two hours before proceeding with well completion.

Following hydration of the bentonite, the remaining annular space was grouted with AquaGuard® bentonite grout mixture to ground surface using a tremie method. Based on information provided by the product manufacturer, AquaGuard® is a bentonite grout consisting of bentonite and additives that allow for a mixture of 30% solids by weight to facilitate grouting via tremie pipe, with additives that slow the bentonite curing so that proper placement can be achieved. Well DGWC-134 surface completion consists of a below grade well casing fitted with a lockable PVC well cap and a bolted and sealed 8-inch round flush mounted road-box protective casing with a 4-foot by 4-foot by 4-inch concrete pad. Surface completions for well DGWC-135 and piezometer B-136D consist of a locked, anodized aluminum protective casing and 4-foot by 4-foot by 4-inch concrete pad with engraved tags showing the monitoring well names. The annular space of the aluminum protective casings were filled with pea gravel to approximately 2 inches from top of PVC. A weep hole was drilled into the lower side of the protective casing.

Well Development Activities

The newly installed wells/piezometer were developed September 17-18, 2025 in general accordance with the *Monitoring Well Development Procedures* prepared by SCS (March 2016), and the US EPA Science and Ecosystem Support Division *Design and Installation of Monitoring Wells* (February 2008). The wells/piezometer were surged using a Reclaimer pump system. During development, water quality measurements of pH,

temperature, specific conductance, oxidation reduction potential (ORP), dissolved oxygen (DO), and turbidity were periodically performed using field-calibrated water quality equipment after the recovered groundwater conditions improved after initial purging. An AquaTroll® multimeter and a Hach turbidimeter were used for monitoring/water quality measurements. Water level measurements were collected using a decontaminated electronic water level indicator, referenced to a permanent marking at the top of the casing and recorded to within 0.01 foot. Equipment calibration forms and development forms are included in Attachment B with development details summarized in Table 2.

Well Survey

The newly installed wells/piezometer were surveyed on September 12, 2025, by Metro Survey and Engineering. The survey was completed using Leica GS18T (survey-grade) global positioning system receiver and a closed level check loop with a Leica DNA10 digital level with a positional tolerance of 0.5/0.01' H:V. The top of the PVC casing was surveyed to 0.5 foot horizontal and 0.01-foot vertical tolerance, and a marking was made on the PVC to use for reference during future measurements. Surveyed coordinates and elevations are presented on the boring/construction diagrams and in Table 1. The certified surveyor's report dated September 15, 2025 is attached as Attachment C.

Closing

We appreciate the opportunity to assist SCS and Georgia Power with this project. Should you have any questions or require additional information, please contact the undersigned at (404) 237-2115.

WSP USA, INC.



Dawn L. Prell, CPG
Technical Principal, Hydrogeologist

I certify that I am a qualified ground-water scientist who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared by myself or by a subordinate working under my direction. We certify that the information included is to the best of our knowledge and belief, true, accurate and complete. In preparing this report, we have relied on information provided by Southern Company Services and Georgia Power.



Nicholas McMillan, PG
Georgia Registered Professional Geologist No. 2308

Attachments:

	Figure 1:	Well Location Map
	Table 1:	Summary of Well Construction Details
	Table 2:	Summary of Well Development
	Attachment A:	Cascade Drilling Bond
	Attachment B:	Boring Logs/Construction Diagrams, Development Forms and Calibration Logs
	Attachment C:	Certified Well Survey

Figure



LEGEND

- NEWLY INSTALLED WELL
- NEWLY INSTALLED PIEZOMETER
- ASSESSMENT MONITORING WELL
- PIEZOMETER
- AP-2,3/4 MONITORING WELL
- UPGRADIENT WELL
- PROPERTY BOUNDARY
- PERMIT BOUNDARY

NOTES

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.

REFERENCE

1. AERIAL IMAGERY DATE FOR AP-1, AP-2, AND AP-3/4 PROVIDED BY GEORGIA POWER, JULY 2024; AND SURROUNDING AREAS SOURCED BY PLEXEARTH, DATED SEPTEMBER 28, 2023.

2. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET).

3. WELL LOCATIONS AND ELEVATIONS SURVEYED BY METRO ENGINEERING AND SURVEYING COMPANY ON SEPTEMBER 12, 2025.

0 250 500 750 1,000

1 IN= 450 FT

CLIENT
GEORGIA POWER COMPANY
PLANT MCDONOUGH-ATKINSON

Georgia Power

PROJECT
WELL DESIGN AND INSTALLATION (DGWC-134, DGWC-135, AND B-136D) REPORT

TITLE
WELL LOCATION MAP

CONSULTANT

wsp

YYYY-MM-DD	2025-10-22
PREPARED	JMB
DESIGN	JMB
CHECKED	NJM
REVIEWED/APPROVED	DLP

PROJECT No. 31406440.02

Rev. 1

FIGURE **1**

Path: M:\Plant_McDonough\MXD\AP1_Well_Install_20251021_VER2.mxd

Tables

TABLE 1
SUMMARY OF WELL CONSTRUCTION DETAILS
Georgia Power Company - Plant McDonough

Monitoring Well ID	Latitude	Longitude	NAD 83 Northing	NAD 83 Easting	Elevation On Top Of PVC (feet NAVD88)	Elevation Ground Surface (feet NAVD88)	Total Depth (feet bgs)	Screened Interval (feet bgs)	Top of Screen Elevation (feet NAVD88)	Bottom of Screen Elevation (feet NAVD88)	Screen Length (feet)	Water Level (feet btoc)	Date Installed
DGWC-134	N33.822808	W84.481892	1390732.5	2200850.4	764.64	764.68	25.4	15.0-25.0	749.68	739.68	10	10.48	9/5/2025
DGWC-135	N33.823370	W84.478928	1390933.9	2201751.0	795.15	792.66	39.0	28.6-38.6	764.06	754.06	10	25.40	9/3/2025
B-136D	N33.821546	W84.477259	1390269.0	2202256.1	778.09	775.57	75.1	64.7-74.7	710.87	700.87	10	52.49	9/4/2025

Notes:

Survey Data from Metro Engineering & Surveying Co., Inc.
ID - Identification
PVC - Polyvinyl chloride
NAD 83 - North American Datum 1983
NAVD88 - North American Vertical Datum 1988
bgs - Below ground surface
btoc - Below Top of Casing

Created by: MDM 10/3/2025
Checked by: JMB 10/16/2025

TABLE 2
SUMMARY OF WELL DEVELOPMENT
Georgia Power Company - Plant McDonough

Piezometer ID	Date Started	Time Started (hr:min)	Development Method	Measured Total Depth of Well (feet bTOC)	Initial Water level (feet bTOC)	Final Water Level (feet bTOC)	Initial Water Column Volume (gal)	Total Volume Removed (gal)	pH (SU)	Specific Conductance (mS/cm)	Temp (°C)	Turbidity (NTU)	ORP (mV)	DO (mg/L)
DGWC-134	9/18/2025	11:00	Reclaimer Pump	24.13	10.48	11.86	2.2	8.00	6.06	360.7	25.38	8.52	185.9	0.326
DGWC-135	9/17/2025	11:41	Reclaimer Pump	41.66	25.83	32.91	2.6	53.30	5.37	635.2	21.06	1.66	80.1	4.206
B-136D	9/17/2025	11:45	Reclaimer Pump	77.95	52.49	72.35	4.2	6.75	7.39	956.0	26.88	6.59	334.4	4.758

Notes:

hr:min - hours:minutes
bTOC - below Top of Casing
gal - gallons
SU - Standard Units
mS/cm - millisiemens per centimeter
°C - degrees Celcius
NTU - nephelometric turbidity units
mV - millivolts
mg/L - milligrams per liter
ORP - oxygen reduction potential
DO - dissolved oxygen
ID - Identification
PVC - Polyvinyl chloride
Temp - Tempeature

Created by: MDM 10/3/2025
Checked by: JMB 10/16/2025

APPENDIX A

Cascade Drilling Bond

GA Water Well Contractor License # 651

Bond Number 612424813

Performance Bond For Water Well Contractors

Name of Water Well Contractor Richard Alan Mooney

Know All Men By These Presents

That we Cascade Drilling, L.P. and Richard Alan Mooney and any and all employees, officers and partners (collectively hereinafter, **Principal**), and we United States Fire Insurance Company, duly organized under the laws of the State of Delaware (hereinafter, **Surety**), are held and firmly bound unto the Director of the Environmental Protection Division, Department of Natural Resources, State of Georgia (**Director**) and his or her successor or successors in office, as **Obligee**, in the full sum of **THIRTY THOUSAND DOLLARS ($30,000.00)** for the payment of which will and truly to be made, the Principal and Surety bind ourselves, our heirs, administrators, successors and assigns, jointly and severally, by these presents.

WHEREAS, the Water Well Standards Act of 1985 (O.C.G.A. §§ 12-5-120 *et seq.*) (the Act) requires that a Water Well Contractor, as that term is defined by the Act, have a performance bond with the Director to ensure compliance with the Act; and WHEREAS the above bound Principal is subject to the terms and provisions of said Act.

NOW, THEREFORE, the conditions of this obligation are such that if the above bound Principal shall fully and faithfully perform the duties and in all things comply with the procedures and standards set forth in the Act as now and hereafter amended, and the rules and regulations promulgated pursuant thereto, including but not limited to the correction of any violation of such procedures and standards upon discovery, irrespective of whether such discovery is made before completion of any well subject to this bond, then this obligation shall be void; otherwise it shall remain in full force and effect.

And Surety, for value received, agrees that no amendment to existing laws, rules or regulations, or adoption of new laws, rules or regulations shall in anyway discharge its obligation on this bond, and does hereby waive notice of any such amendment, adoption or modification.

This bond shall be effective from the 30th day of June, 20 25 and shall continue in effect until June 30, 2027, unless sooner terminated by mutual agreement of Principal and Surety, provided that no such termination may be made unless sixty (60) days' prior written notice is made to the Director. In the event of such termination, the rights of the Director as Obligee and beneficiaries under this bond which arose prior to such termination shall continue.

IN WITNESS THEREOF the Principal and Surety have caused these present to be duly signed and sealed, this the 2nd day of May, 20 25.

Principal Cascade Drilling, L.P.

Print name:

Title:

Seal:

Surety United States Fire Insurance Company

Print name: Melissa Haddick

Title: Attorney-in-Fact

Seal:

Revised 03.17.2021

POWER OF ATTORNEY
UNITED STATES FIRE INSURANCE COMPANY
PRINCIPAL OFFICE - MORRISTOWN, NEW JERSEY

(PRODUCER CODE)

KNOW ALL MEN BY THESE PRESENTS: That United States Fire Insurance Company, a corporation duly organized and existing under the laws of the state of Delaware, has made, constituted and appointed, and does hereby make, constitute and appoint: **Sandra Parker; Melissa Haddick; Tannis Mattson; Orlando Aguirre; Stacy Killebrew; Madison Diaz and Megan Sivley** each, its true and lawful Attorney(s)-In-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver: Any and all bonds and undertakings of surety and other documents that the ordinary course of surety business may require, and to bind United States Fire Insurance Company thereby as fully and to the same extent as if such bonds or undertakings had been duly executed and acknowledged by the regularly elected officers of United States Fire Insurance Company at its principal office, in amounts or penalties: **One Hundred Twenty Five Million Eight Hundred Thousand Dollars ($125,800,000)**

This Power of Attorney limits the act of those named therein to the bonds and undertakings specifically named therein, and they have no authority to bind United States Fire Insurance Company except in the manner and to the extent therein stated.

This Power of Attorney is granted pursuant to Article IV of the By-Laws of United States Fire Insurance Company as now in full force and effect, and consistent with Article III thereof, which Articles provide, in pertinent part:

Article IV, Execution of Instruments - Except as the Board of Directors may authorize by resolution, the Chairman of the Board, President, any Vice-President, any Assistant Vice President, the Secretary, or any Assistant Secretary shall have power on behalf of the Corporation:

(a) to execute, affix the corporate seal manually or by facsimile to, acknowledge, verify and deliver any contracts, obligations, instruments and documents whatsoever in connection with its business including, without limiting the foregoing, any bonds, guarantees, undertakings, recognizances, powers of attorney or revocations of any powers of attorney, stipulations, policies of insurance, deeds, leases, mortgages, releases, satisfactions and agency agreements;
(b) to appoint, in writing, one or more persons for any or all of the purposes mentioned in the preceding paragraph (a), including affixing the seal of the Corporation.

Article III, Officers, Section 3.11, Facsimile Signatures. The signature of any officer authorized by the Corporation to sign any bonds, guarantees, undertakings, recognizances, stipulations, powers of attorney or revocations of any powers of attorney and policies of insurance issued by the Corporation may be printed, facsimile, lithographed or otherwise produced. In addition, if and as authorized by the Board of Directors, dividend warrants or checks, or other numerous instruments similar to one another in form, may be signed by the facsimile signature or signatures, lithographed or otherwise produced, of such officer or officers of the Corporation as from time to time may be authorized to sign such instruments on behalf of the Corporation. The Corporation may continue to use for the purposes herein stated the facsimile signature of any person or persons who shall have been such officer or officers of the Corporation, notwithstanding the fact that he may have ceased to be such at the time when such instruments shall be issued.

IN WITNESS WHEREOF, United States Fire Insurance Company has caused these presents to be signed and attested by its appropriate officer and its corporate seal hereunto affixed this 17th day of January, 2025.

UNITED STATES FIRE INSURANCE COMPANY

Matthew E. Lubin, President

State of New Jersey}
County of Morris }

On this 17th day of January, 2025, before me, a Notary public of the State of New Jersey, came the above named officer of United States Fire Insurance Company, to me personally known to be the individual and officer described herein, and acknowledged that he executed the foregoing instrument and affixed the seal of United States Fire Insurance Company thereto by the authority of his office.

ETHAN SCHWARTZ
NOTARY PUBLIC
STATE OF NEW JERSEY
MY COMMISSION EXPIRES 6/25/2029
COMMISSION: #50223171

Ethan Schwartz (Notary Public)

I, the undersigned officer of United States Fire Insurance Company, a Delaware corporation, do hereby certify that the original Power of Attorney of which the foregoing is a full, true and correct copy is still in force and effect and has not been revoked.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of United States Fire Insurance Company on the 2nd day of May 20 25

UNITED STATES FIRE INSURANCE COMPANY

Michael C. Fay, Senior Vice President

*For verification of the authenticity of the Power of Attorney, please contact (phone number) or email: patricia.taber @amyntagroup.com

APPENDIX B

Boring Logs/Construction Diagrams, Development Forms and Calibration Logs

RECORD OF BOREHOLE: DGWC-134

CLIENT:	Southern Company	START DATE:	September 04, 2025	GS ELEVATION:	764.68 ft
PROJECT:	Plant McDonough AP-1	END DATE:	September 05, 2025	COORDINATES:	N: 1390732.5 ft E: 2200850.4 ft
PROJECT NO:	US-WSP-31406440.02	INCLINATION:	90.0°	COORD SYS:	SP GA West FIPS 1002 ft
LOCATION:	Smyrna, GA	CONTRACTOR:	Cascade Environmental, LLC	HORZ DATUM:	NAD83 (2011)

DEPTH (ft)	DRILL RIG	DRILL METHOD	MATERIAL PROFILE: DESCRIPTION	USCS	STRATA PLOT	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: REC %
0	Terra Sonic 150	Sonic	Hydrovac Cleared			0.0	0' - 10'	Rotosonic	100
						754.7			
10			(CL-ML) Sandy Clayey SILT; gray; wet	CL-ML		10.0			
						750.7	10' - 20'	Rotosonic	100
14			(SM) Sandy SILT; sand fine; gray to brown; micaceous, some clay, moist	SM		14.0			
							20' - 25.40'	Rotosonic	100
25						739.3			
			End of hole at 25.40 ft.						

CONSTRUCTION AND INSTALLATION DETAILS

WELL COMPLETION
Pad Dimensions:
4' (L) x 4' (W) x 4" (D)

WELL CASING
Interval: 0.04 - 15.00 ft bgs
Material: Schedule 40 PVC
Diameter: 2"
Joint Type: Flush-threaded

WELL SCREEN WITH END CAP
Interval: 15.00 - 25.00 ft bgs
Material: Schedule 40 PVC
Diameter: 2"
Slot Width: 0.010"
Joint Type: Flush-threaded
End Cap: 0.40 ft

ANNULUS SEAL
Interval: 0.00 - 7.95 ft bgs
Type: AquaGuard® Bentonite Cement Grout

FILTER PACK SEAL
Interval: 7.95 - 12.95 ft bgs
Type: Pel-Plug® Coated Bentonite Chip Seal
Chip Size: 3/8"
Hydration Period: 2-hr minimum

FILTER PACK
Interval: 12.95 - 25.40 ft bgs
Type: Filter Pack Sand No. 2 Silica

GROUNDWATER OBSERVATIONS: 18Sep25 00:00

WELL DIAGRAM

Nail Elev: 764.68 ft
TOC Elev: 764.64 ft

- **STEEL FLUSH MOUNT IN CONCRETE WELL PAD**
- **PVC RISER**
- *AquaGuard® Bentonite Cement Grout*
- *Pel-Plug® Coated Bentonite Chip*
- *Filter Pack Sand No. 2 Silica*
- **#2 SILICA SAND-FILLED U-PACK® SCHEDULE 40 PVC 0.010" SLOTTED SCREEN**
- **END CAP**

REV: 1

LOGGED: M. Mann — DATE: Sep 04, 2025
CHECKED: R. Nichols — DATE: Oct 20, 2025

RECORD OF BOREHOLE: DGWC-135

CLIENT:	Southern Company	START DATE:	September 03, 2025	GS ELEVATION:	792.66 ft
PROJECT:	Plant McDonough AP-1	END DATE:	September 03, 2025	COORDINATES:	N: 1390933.9 ft E: 2201751.0 ft
PROJECT NO:	US-WSP-31406440.02	INCLINATION:	90.0°	COORD SYS:	SP GA West FIPS 1002 ft
LOCATION:	Smyrna, GA	CONTRACTOR:	Cascade Environmental, LLC	HORZ DATUM:	NAD83 (2011)

DEPTH (ft)	DRILL RIG	DRILL METHOD	MATERIAL PROFILE: DESCRIPTION	USCS	STRATA PLOT	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: REC %
1–10	Terra Sonic 150	Sonic	Hydrovac Cleared			0.0 / 782.7	0 ' - 10'	Rotosonic	0
10–20			(ML) Clayey SILT; brown to tan; micaceous; soft	ML		10.0 / 772.7	10' - 20'	Rotosonic	100
20–30			(CL-ML) Silty CLAY to Clayey SILT; brown to tan; micaceous; moist to wet	CL-ML		20.0 / 762.7	20' - 30'	Rotosonic	100
30–31			(ML) Clayey SILT; tan to black; some sand; micaceous; moist to wet	ML		30.0			

CONSTRUCTION AND INSTALLATION DETAILS

WELL COMPLETION
Pad Dimensions:
4' (L) x 4' (W) x 4" (D)

WELL CASING
Interval: 0.00 - 22.10 ft bgs
Material: Schedule 40 PVC
Diameter: 2"
Joint Type: Flush-threaded

WELL SCREEN WITH END CAP
Interval: 28.60 - 38.60 ft bgs
Material: Schedule 40 PVC
Diameter: 2"
Slot Width: 0.010"
Joint Type: Flush-threaded
End Cap: 0.40 ft

ANNULUS SEAL
Interval: 0.00 - 22.10 ft bgs
Type: AquaGuard® Bentonite Cement Grout

FILTER PACK SEAL
Interval: 22.10 - 26.05 ft bgs
Type: Pel-Plug® Coated Bentonite Chip Seal
Chip Size: 3/8"
Hydration Period: 2-hr minimum

FILTER PACK
Interval: 26.05 - 39.00 ft bgs
Type: Filter Pack Sand No. 2 Silica

GROUNDWATER OBSERVATIONS: 08Sep25 00:00

WELL DIAGRAM

Nail Elev: 792.66 ft
TOC Elev: 795.15 ft

ALUMINUM PROTECTIVE CASING AND CONCRETE WELL PAD

Pea Gravel

SCHEDULE 40 PVC RISER

AquaGuard® Bentonite Cement Grout

Pel-Plug® Coated Bentonite Chip

Filter Pack Sand No. 2 Silica

SLOTTED SCREEN

Continued on Next Page

HAMMER TYPE:

REV: 1

LOGGED: M. Mann DATE: Sep 03, 2025

CHECKED: R. Nichols DATE: Oct 20, 2025

RECORD OF BOREHOLE: DGWC-135

CLIENT:	Southern Company	START DATE:	September 03, 2025	GS ELEVATION:	792.66 ft
PROJECT:	Plant McDonough AP-1	END DATE:	September 03, 2025	COORDINATES:	N: 1390933.9 ft E: 2201751.0 ft
PROJECT NO:	US-WSP-31406440.02	INCLINATION:	90.0°	COORD SYS:	SP GA West FIPS 1002 ft
LOCATION:	Smyrna, GA	CONTRACTOR:	Cascade Environmental, LLC	HORZ DATUM:	NAD83 (2011)

DEPTH (ft)	DRILL RIG	DRILL METHOD	MATERIAL PROFILE: DESCRIPTION	USCS	STRATA PLOT	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: REC %	CONSTRUCTION AND INSTALLATION DETAILS	GROUNDWATER OBSERVATIONS	WELL DIAGRAM
32	Terra Sonic 150	Sonic	(ML) Clayey SILT; tan to black; some sand; micaceous; moist to wet	ML			30' - 39'	Rotosonic	93			Nail Elev: 792.66 ft TOC Elev: 795.15 ft
33												*Filter Pack: #2 Silica Sand*
34												**#2 SILICA SAND-FILLED U-PACK® SCHEDULE 40 PVC 0.010" SLOTTED SCREEN**
35												
36												
37												
38												
39						753.7						**END CAP**
			End of hole at 39.00 ft.									
40												
41												
42												
43												
44												
45												
46												
47												
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56												
57												
58												
59												
60												
61												
62												

HAMMER TYPE:

REV: 1

LOGGED: M. Mann DATE: Sep 03, 2025

CHECKED: R. Nichols DATE: Oct 20, 2025

RECORD OF BOREHOLE: B-136D

CLIENT:	Southern Company	START DATE:	September 04, 2025	GS ELEVATION:	775.57 ft
PROJECT:	Plant McDonough AP-1	END DATE:	September 04, 2025	COORDINATES:	N: 1390269.0 ft E: 2202256.1 ft
PROJECT NO:	US-WSP-31406440.02	INCLINATION:	90.0°	COORD SYS:	SP GA West FIPS 1002 ft
LOCATION:	Smyrna, GA	CONTRACTOR:	Cascade Environmental, LLC	HORZ DATUM:	NAD83 (2011)

DEPTH (ft)	DRILL RIG	DRILL METHOD	MATERIAL PROFILE: DESCRIPTION	USCS	STRATA PLOT	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: REC %	CONSTRUCTION AND INSTALLATION DETAILS	GROUNDWATER OBSERVATIONS
1–10	Terra Sonic 150	Sonic	Hydrovac Cleared			0.0 / 765.6	0 ' - 10'	Rotosonic	0		
10–19			10.00 ft to 19.50 ft: No Recovery, core barrel blocked by boulder			10.0 / 756.1	10' - 20'	Rotosonic	5		
20–24			(GW) Sandy GRAVEL; gray to black; some coarse sand; wet	GW		19.5 / 750.6	20' - 30'	Rotosonic	30		
25–29			(SM) Sandy SILT; brown; moist	SM		25.0 / 745.6					
30–31			(CH) Silty CLAY; black to brown; some fine sand; soft; wet	CH		30.0					

WELL COMPLETION
Pad Dimensions:
4' (L) x 4' (W) x 4" (D)

WELL CASING
Interval: 0.00 - 64.70 ft bgs
Material: Schedule 40 PVC
Diameter: 2"
Joint Type: Flush-threaded

WELL SCREEN WITH END CAP
Interval: 64.70 - 74.70 ft bgs
Material: Schedule 40 PVC
Diameter: 2"
Slot Width: 0.010"
Joint Type: Flush-threaded
End Cap: 0.40 ft

ANNULUS SEAL
Interval: 0.00 - 59.05 ft bgs
Type: AquaGuard® Bentonite Cement Grout

FILTER PACK SEAL
Interval: 59.05 - 62.30 ft bgs
Type: Pel-Plug® Coated Bentonite Chip Seal
Chip Size: 3/8"
Hydration Period: 2-hr minimum

FILTER PACK
Interval: 62.30 - 75.10 ft bgs
Type: Filter Pack Sand No. 2 Silica

WELL DIAGRAM

Nail Elev: 775.57 ft
TOC Elev: 778.09 ft

ALUMINUM PROTECTIVE CASING AND CONCRETE WELL PAD

Pea Gravel

SCHEDULE 40 PVC RISER

AquaGuard® Bentonite Cement Grout

Haliburton® Coated Bentonite Chips

Continued on Next Page

HAMMER TYPE:

REV: 1

LOGGED: M. Mann DATE: Sep 04, 2025

CHECKED: R. Nichols DATE: Oct 20, 2025

RECORD OF BOREHOLE: B-136D

CLIENT:	Southern Company	START DATE:	September 04, 2025	GS ELEVATION:	775.57 ft
PROJECT:	Plant McDonough AP-1	END DATE:	September 04, 2025	COORDINATES:	N: 1390269.0 ft E: 2202256.1 ft
PROJECT NO:	US-WSP-31406440.02	INCLINATION:	90.0°	COORD SYS:	SP GA West FIPS 1002 ft
LOCATION:	Smyrna, GA	CONTRACTOR:	Cascade Environmental, LLC	HORZ DATUM:	NAD83 (2011)

DEPTH (ft)	DESCRIPTION	USCS	ELEV. / DEPTH (ft)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES REC %
32–37	(CH) Silty CLAY; black to brown; some fine sand; soft; wet	CH	738.6	30' - 40'	Rotosonic	100
37–40	(ML) Sandy Clayey SILT; black; soft; wet	ML	37.0 / 735.6			
40–43	(GW) Sandy GRAVEL; gray; rounded quartzite and gneiss cobbles; relic structure	GW	40.0 / 732.6			
43–50	(SC) Clayey SAND; red to brown; micaceous; relic structure; moist	SC	43.0 / 725.6	40' - 50'	Rotosonic	60
50–55	(CH) Sandy Silty CLAY; gray; some gravel and Partially Weathered Rock; wet	CL	50.0 / 720.6	50' - 60'	Rotosonic	100
55–59	(GW) Sandy GRAVEL with cobbles; gray; micaceous; Partially Weathered Rock; wet	GW	55.0 / 716.6			
59–62	Gneiss (bedrock); light to dark gray; fine to medium grained; strong foliation; slightly weathered		59.0			

DRILL RIG: Terra Sonic 150

DRILL METHOD: Sonic

GROUNDWATER OBSERVATIONS: 17Sep25 00:00

CONSTRUCTION AND INSTALLATION DETAILS / WELL DIAGRAM:

- *Haliburton® Coated Bentonite Chips*
- **SCHEDULE 40 PVC RISER**
- *Filter Pack Sand No. 2 Silica*
- *Pel-Plug® Coated Bentonite Chips*

Continued on Next Page

HAMMER TYPE:

REV: 1

LOGGED: M. Mann DATE: Sep 04, 2025

CHECKED: R. Nichols DATE: Oct 20, 2025

RECORD OF BOREHOLE: B-136D

CLIENT:	Southern Company	START DATE:	September 04, 2025	GS ELEVATION:	775.57 ft
PROJECT:	Plant McDonough AP-1	END DATE:	September 04, 2025	COORDINATES:	N: 1390269.0 ft E: 2202256.1 ft
PROJECT NO:	US-WSP-31406440.02	INCLINATION:	90.0°	COORD SYS:	SP GA West FIPS 1002 ft
LOCATION:	Smyrna, GA	CONTRACTOR:	Cascade Environmental, LLC	HORZ DATUM:	NAD83 (2011)

DEPTH (ft)	DRILL RIG	DRILL METHOD	MATERIAL PROFILE: DESCRIPTION	USCS	STRATA PLOT	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: REC %	CONSTRUCTION AND INSTALLATION DETAILS	GROUNDWATER OBSERVATIONS	WELL DIAGRAM
63–75	Terra Sonic 150	Sonic	Gneiss (bedrock); light to dark gray; fine to medium grained; strong foliation; slightly weathered			700.5	60' - 70'	Rotosonic	100			*Filter Pack: #2 Silica Sand*; **#2 SILICA SAND-FILLED U-PACK® SCHEDULE 40 PVC 0.010" SLOTTED SCREEN**; **END CAP**
							70' - 75.10'	Rotosonic	100			
75			End of hole at 75.10 ft.									

HAMMER TYPE:

REV: 1

LOGGED: M. Mann — DATE: Sep 04, 2025

CHECKED: R. Nichols — DATE: Oct 20, 2025

GOLDER

WELL DEVELOPMENT FIELD RECORD

PROJECT NAME / NUMBER: PLANT McDONOUGH
WELL ID: B-134
WELL DIA (in): 2
DEVELOPED BY: EVER GUILLEN
DATE OF INSTALL:
STARTED DEVEL: 9-18-25 / 1100 (DATE / TIME)
COMPLETED DEVEL: / (DATE / TIME)
WL BEFORE DEVEL: 10.48 / 9-18 / 1100 (WL / DATE / TIME)
WL AFTER DEVEL: 11.86 / 9-18 / 1400 (WL / DATE / TIME)
WELL DEPTH BEFORE DEVEL: 24.10
WELL DEPTH AFTER DEVEL: 24.13
STANDING WATER COLUMN (FT): 13.62
STANDING WELL VOLUME: ____ gal
SCREEN LENGTH: 10'
DRILLING WATER LOSS: ____ gal

	DATE/TIME	VOLUME REMOVED (gal)	PUMPING RATE (gpm)	DTW (ft bgs)	FIELD PARAMETERS pH (s u)	Sp Cond (mS/cm)	TEMP (°C)	Turbidity (NTU)	Color	RDO (mg/L)	ORP (mV)	REMARKS
0.10	9-18/1130	0.1	8.00	10.48	6.64	417.5	20.3	339	CLEAR TAN	2.662	123.5	
5	9-18/1135	1.0	500	15.48	6.39	381.4	21.43	207	CLEAR	0.691	133.7	
10	9-18/1140	1.5	400	15.48	6.32	388.5	21.94	171		0.311	144.3	
15	9-18/1145	2.10	200	14.82	6.27	395.6	23.95	152		0.290	141.4	
20	9-18 1150	2.25	200	14.12	6.22	390.9	24.54	99.2		0.200	144.5	SURGED
25	9-18/1155	2.50	200	12.93	6.21	387.9	24.35	88.3		-0.049	149.2	
30	9-18/1200	2.75	200	12.59	6.18	373.5	23.67	95.4		-0.255	154.1	
35	9-18/1205	3.0	200	12.48	6.12	365.1	25.03	55.3		-0.424	155.7	
40	9-18/1210	3.25	200	12.48	6.08	354.2	25.20	33.2		-0.590	158.1	
45	9-18/1215	3.5	200	12.48	6.05	348.1	25.26	21.2		-0.621	164.5	
50	9-18/1220	3.75	200	12.48	6.05	341.3	24.66	17.4		-0.658	168.5	
55	9-18/1225	4.00	200	12.48	6.05	338.0	23.58	14.1		-0.648	171.5	
100	9-18/1230	4.25	200	12.48	6.04	341.0	24.21	96.6		-0.599	172.2	
105	9-18/1235	4.5	200	12.48	6.03	344.2	25.26	59.5		-0.463	172.7	
110	9-18/1240	4.75	200	12.48	6.08	358.4	25.98	47.0		-0.240	176.2	
115	9-18/1245	5.0	200	12.48	6.05	366.4	27.01	41.5		-0.117	167.7	
120	9-18/1250	5.25	200	12.48	6.00	365.6	27.26	31.2		-0.122	169.4	
125	9-18/1255	5.50	200	12.48	6.04	364.0	27.04	27.3		-0.131	174.4	
130	9-18/1300	5.75	200	12.48	6.04	366.2	26.57	22.9		-0.093	178.1	
135	9-18/1305	6.0	200	12.48	6.01	367.1	26.99	20.5		0.002	179.1	
140	9-18/1310	6.25	200	12.48	6.06	364.1	25.34	18.0		0.211	181.0	
145	9-18/1315	6.5	200	12.48	6.08	364.7	23.59	15.7		0.210	183.4	
150	9-18/1320	6.75	200	12.48	6.07	369.5	25.69	12.6		0.217	180.9	
155	9-18/1325	7.0	200	12.48	6.05	369.6	27.17	12.5		0.183	180.3	
200	9-18/1330	7.25	200	12.48	6.05	369.1	27.70	9.18		0.189	181.4	
205	9-18/1335	7.5	200	12.48	6.05	369.1	27.96	9.21		0.242	182.9	
210	9-18/1340	7.75	200	12.48	6.06	366.3	27.73	9.82		0.331	182.3	
215	9-18/1345	8.00	200	12.48	6.06	360.7	25.38	8.52		0.326	185.9	
			= TOTAL VOLUME REMOVED (gal)									

DEVELOPMENT METHOD: LOW FLOW BLADDER PUMP / W/SURGING

NOTES:

GOLDER

WELL DEVELOPMENT FIELD RECORD

PROJECT NAME / NUMBER: MCO

WELL ID: MCO-B-135

WELL DIA (in): 2

DEVELOPED BY: J. Stacey / D. Howard

DATE OF INSTALL:

STARTED DEVEL: 9-17-25 / DATE / TIME

COMPLETED DEVEL: 9/18/25 / 1247 / DATE / TIME

W.L. BEFORE DEVEL: / / WL / DATE / TIME

WL AFTER DEVEL: 32.91 / 9/18/25 / 1247 / WL / DATE / TIME — still recharging

WELL DEPTH BEFORE DEVEL: 41.61

WELL DEPTH AFTER DEVEL: 41.66

STANDING WATER COLUMN (FT):

STANDING WELL VOLUME: gal

SCREEN LENGTH: 10

DRILLING WATER LOSS: gal

DATE/TIME	VOLUME REMOVED (gal)	PUMPING RATE (gpm)	DTW (ft bgs)	FIELD PARAMETERS: pH (s.u.)	Sp. Cond (mS/cm)	TEMP (°C)	Turbidity (NTU)	Color	RDO (mg/L)	ORP (mV)	REMARKS
9-17-25 → 1141	0	2	25.83	5.98	594	22.43	247	brown	7.663	557.9	
1146	10	2	38.6	6.614	621.4	20.96	313	brown	8.141	453.9	
1151											Dry, Pause for recharge
1221	15	1	30.00	6.337	644.4	22.82	299		7.026	159.5	Dry, Pause for recharge
1304	15	1	30.00	6.449	634.7	20.91	87.8		8.060	394.2	
1309	20	1	37.01	6.609	643.8	20.98	89.4		8.237	532.7	
1314	25	1	39.91	6.621	644.0	21.01	1020		8.221	529.6	
1318											Dry, Pause for recharge
1403	25	1	28.0	6.146	643.6	21.97	67.7		7.450	196.3	
1418	30	1	35.82	6.551	633.9	21.73	33.8		8.131	288.4	
1423	35	1	36.5	6.726	650.3	22.31	23.7		8.085	515.7	
1433	37.5	0.5	37.01	6.832	653.6	23.05	64.0		7.943	447.3	
1443	39	0.5	38.12	6.927	684.6	21.52	343		8.013	399.0	
1453	41.5	0.5	39.00	6.871	685.3	21.90	410		8.075	427.1	
1503	44	0.5	41.00	6.734	696.4	22.04	174		8.046	473.4	Dry, Pause for recharge
1520											Return tomorrow
9/18/25 → 1106	0	0.2	25.93	6.167	589.0	26.09	146	light brown	5.108	459.8	Surge well
1116	2.1	0.2	36.15	5.672	612.1	20.22	184	"	6.239	121.0	
1126	3.7	0.16	37.16	5.590	644.8	20.19	155	clearing	7.862	159.2	
1136	5.3	0.16	37.25	5.392	650.4	20.88	92.2	clearing	4.095	90.8	
1147	6.3	0.1	37.11	5.420	630.1	21.20	425	clearing	3.844	85.5	
1157	7.3	0.1	36.99	5.395	621.8	21.09	6.02	clear	4.014	87.1	
1207	8.3	0.1	36.96	5.400	604.7	20.75	1.79	clear	4.204	78.9	
1217	9.3	0.1	36.93	5.373	635.2	21.06	1.66	clear	4.206	80.1	

GOLDER

WELL DEVELOPMENT FIELD RECORD

PROJECT NAME / NUMBER: PLANT McDONOUGH
WELL ID: B136D
WELL DIA (in): 2
DEVELOPED BY: EVER GUILLEN
DATE OF INSTALL:
STARTED DEVEL: 9-17-25 (DATE) 1145 (TIME)
COMPLETED DEVEL: 9-17-25 (DATE) 1604 (TIME)
WL BEFORE DEVEL: 52.44 (WL) 9-17-25 (DATE) 1145 (TIME)
WL AFTER DEVEL: 72.35 (WL) 9-17-25 (DATE) 1604 (TIME)
WELL DEPTH BEFORE DEVEL: 77.95
WELL DEPTH AFTER DEVEL:
STANDING WATER COLUMN (FT): 25.51
STANDING WELL VOLUME: gal
SCREEN LENGTH:
DRILLING WATER LOSS: gal

	DATE/TIME	VOLUME REMOVED (gal)	PUMPING RATE (gpm)	DTW (ft bgs)	FIELD PARAMETERS pH (s.u.)	Sp Cond (mS/cm)	TEMP (°C)	Turbidity (NTU)	Color	RDO (mg/L)	ORP (mV)	REMARKS
0	9-17/1247	0.1	200	52.44	7.59	926.9	27.47	32	CLEAR	4.203	175.8	
5	1252	0.25	260	54.56	7.51	935.0	22.89	39		2.303	197	
10	1257	0.5	200	58.31	7.48	927.6	23.66	33		6816	239.1	
15	1302	0.75	150	62.47	7.46	935.8	23.71	27.2		2.594	231.3	
20	1307	1.0	125	64.61	7.45	944.4	22.88	208		2650	269.8	SURGED
25	1312	1.25	100	65.72	7.47	922.2	23.13	146		4.939	243.7	
30	1317	1.50	100	66.28	7.42	934.4	25.57	167		4.041	277.5	
35	1322	1.75	100	66.59	7.41	953.3	26.75	143		3.387	199.9	
40	1329	2.0	100	66.92	7.38	953.8	28.24	121		3,146	237.2	
50	1337	2.25	100	67.18	7.35	955.6	28.95	283		3.238	244.1	
55	1342	2.5	100	67.22	7.34	953.0	30.12	194		3.116	208.4	
1:30	1418	2.75	100	67.30	7.30	913.7	32.01	333		3.028	263.0	
1:35	1423	3.0	100	67.83	7.30	931.3				3.152	257.7	
					~~7.28~~	~~922.9~~				~~3.166~~	~~281.8~~	
1:36	1433	3.25	100	68.38	7.29	922.9	33.08	199		3,166	281.2	
1:54	1443	3.5	100	68.51	7.39	938.6	30.06	297		3.499	336.7	
2:01	1448	3.75	100	68.61	7.39	951.7	30.31	101		3.510	333.8	
	NEW FILE											
0.0	1501	4.0	150	69.03	7.45	965.6	28.89	101		3.819	279.2	
5.0	1506	4.25	150	69.15	7.43	951.0	28.87	138		3.660	335.0	
	1512			69.58				68.9				INSTRUMEN NOT CONNECTING
	1517	4.5		69.84				47.7				
	NEW FILE									318.14	256.1	
0.0	1524	4.75	150	70.09	7.44	965.9	26.11	51.5		~~4.611~~	~~3.814~~	
5.0	1529	5.0	150	70.33	7.42	968.2	26.74	30.7		3814	3.782	
10	1534	5.25	150	70.82	7.41	963.6	26.91	50.7		3.858	329.4	
15	1539	5.5	150	71.15	7.40	965.0	26.80	15.2		3,950	380.7	
20	1544	5.75	150	71.37	7.41	963.2	26.24	13.2		4.391	334.2	
25	1549	6.0	150	71.61	7.40	967.1	26.02	10.8		4.685	333.7	
30	1554	6.25	150	71.90	7.39	965.5	26.22	9.82		4.758	332.0	
35	1559	6.5	150	72.07	7.39	965.1	26.57	8.59		4.757	333.7	
40	1604	6.75	150	72.35	7.39	956.0	26.88	6.59		4.758	334.4	
		= TOTAL VOLUME REMOVED (gal)										

DEVELOPMENT METHOD: LOW FLOW W/ SURGING

NOTES: 1510 INSTRUMENT CONNECTION PROBLEM—
1524 REBOOT INSTRUMENTS & Begin NEW FILE

Site Name: Plant MCD

Field Instrumentation Calibration Form

Date: 9/17/25

Calibrated By:

Field Conditions: Sunny 60F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	114636
Turbidity Meter	Hach 2100Q	22060D000086

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	240142B	01/26	AIR
pH (SU)	4.00	240142B	↓	↓
pH (SU)	7.00	240142B6		
pH (SU)	10.00	24011537		
D O (%)	N/A			
ORP (mV)	228.0	22490162		

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.09	± 0.1	GWMP
pH (SU)	7.00	7.00	23.53	± 0.1	GWMP
pH (SU)	10.00	10.00	24.16	± 0.1	GWMP
D O (%)	N/A	100%	20.94	± 10%	NA
ORP (mV)	228.0	228	23.73	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.96	± 10% of standard	EPA 2023
	20	19.9		
	100	96.9		
	800	794		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4392	35.16	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	35.04	± 0.1	GWMP
pH (SU)	7.00	7.01	34.96	± 0.1	GWMP
pH (SU)	10.00	10.02	35.84	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.78	± 10% of standard	EPA 2023
	20	19.2		
	100	98.1		
	800	792		

Notes:

Field Instrumentation Calibration Form

Site Name: MCD

Date: 9/17/25

Field Conditions: 80s sunny

Calibrated By: JS

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	594
Turbidity Meter	Hach 2100Q	

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	594		
pH (SU)	4 00			
pH (SU)	7 00			
pH (SU)	10 00			
D O (%)	N/A			
ORP (mV)	228 0			

Calibration

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4445	27.12	± 10% of standard	EPA 2023
pH (SU)	4 00	4.05	50	± 0 1	GWMP
pH (SU)	7 00	6.88		± 0 1	GWMP
pH (SU)	10 00	9.97		± 0 1	GWMP
pH (SU)	N/A	11.74		± 10%	NA
D O (%)	228 0	221.3		± 10	EPA 2023
ORP (mV)					

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	18.5	± 10% of standard	EPA 2023
	100	98.3		
	800	745		
	10	9.75		

Calibration Check

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4565	~30	± 10% of standard	EPA 2023
pH (SU)	4 00	4.07		± 0 1	GWMP
pH (SU)	7 00	6.98		± 0 1	GWMP
pH (SU)	10 00	9.99		± 0 1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.1	± 10% of standard	EPA 2023
	100	96		
	800	749		
	10	9.8		

Notes

Field Instrumentation Calibration Form

Site Name: Plant McDonough

Date: 9-18-25

Field Conditions: Hot - Humid - Clear

Calibrated By: Ever Guicchen

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll	1179231
Turbidity Meter	Hach 2100Q	23060D000342

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	2401 4218		
pH (SU)	4.00	2401 4218		
pH (SU)	7.00	2401 4264		
pH (SU)	10.00	2401 1537		
D.O. (%)	N/A	—		
ORP (mV)	228.0	22490162		

Calibration

Time Start

Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4554	23.14	± 10% of standard	EPA 2023
pH (SU)	4.00	3.81	23.87	± 0.1	GWMP
pH (SU)	7.00	6.67	23.89	± 0.1	GWMP
pH (SU)	10.00	9.52	23.91	± 0.1	GWMP
D.O. (%)	N/A	7.907	21.75	± 10%	NA
ORP (mV)	228.0	230.5	24.03	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.3	± 10% of standard	EPA 2023
	100	98.3		
	800	809		
	10	10.0		

Calibration Check

Time Start 1410

Time Finish 1420

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4465	24.13	± 10% of standard	EPA 2023
pH (SU)	4.00	3.92	24.13	± 0.1	GWMP
pH (SU)	7.00	6.91	23.91	± 0.1	GWMP
pH (SU)	10.00	9.73	24.17	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.8	± 10% of standard	EPA 2023
	100	101		
	800	812		
	10	9.93		

Notes:

ATTACHMENT C

Certified Well Survey

METRO ENGINEERING & SURVEYING CO., INC.
SURVEYORS - ENGINEERS - PHOTOGRAMMETRISTS
PROVIDING PROFESSIONAL SERVICE SINCE 1967

1469 HIGHWAY 20 WEST • MCDONOUGH, GA 30253
phone: 770-707-0777 fax: 770.707-0755
WWW.METRO-ENGINEERING.COM

SURVEYOR'S REPORT

SCOPE OF WORK:

Field survey of existing Monitoring Wells at Georgia Power Company, Plant McDonough in Smyrna, GA.

Horizontal and vertical datum was derived from RTK GPS observations with corrections received via a cellular modem utilizing the Leica "Smartnet" RTK Network and conventional surveying equipment. Horizontal datum is Georgia State Plane, West Zone, NAD83(2011) and vertical datum is NAVD88.

EQUIPMENT USED TO ESTABLISH THE MONITORING WELL LOCATIONS:

Leica GS18T GPS Receiver
Leica TS16 Total Station
Leica DNA10 Digital Level

CERTIFICATION:

I hereby certify that the center of well casing (PVC) has a horizontal accuracy of 0.5+/- feet or better using a Leica GS18T GPS (survey-grade) global positioning system receiver referencing the Georgia State Plane, West Zone, NAD83(2011) coordinate system in US survey feet. The top of well casing (PVC) elevation data was determined in feet above mean sea level based on the NAVD88 vertical datum. Vertical data was confirmed to be accurate within 0.01 foot through establishment of a closed level check loop with a Leica DNA10 digital level having a published accuracy of 0.9mm per dual-traverse Kilometer.

Field survey was completed on September 12, 2025.





Christopher G. Lea, GA. RLS #3427

Date: September 15, 2025

Plant McDonough
Monitoring Well Locations
September 12, 2025

Well ID	LATITUDE	LONGITUDE	NAIL NORTHING	NAIL EASTING	NAIL ELEV	PVC NORTHING	PVC EASTING	TOP PVC ELEV	ELEV AT BASE (REBAR)
DGWC-134	N33.822808	W84.481892	1390732.4	2200849.4	764.68	1390732.5	2200850.4	764.64	764.42
DGWC-135	N33.823370	W84.478928	1390934.1	2201750.0	792.66	1390933.9	2201751.0	795.15	792.73
DGWC-136D	N33.821546	W84.477259	1390269.6	2202255.4	775.57	1390269.0	2202256.1	778.09	775.62



APPENDIX G

Well Design and Installation (INW-01, INW-01A, DR-01, DR-04, and PT-03) Report

September 19, 2025 Project No. US-WSP-31406440.McD23

Mr. Joju Abraham, PG
Southern Company Services
241 Ralph McGill Blvd., NE
Atlanta, Georgia 30308

WELL DESIGN AND INSTALLATION (INW-01, INW-01A, DR-01, DR-04, AND PT-03) REPORT, GEORGIA POWER COMPANY - PLANT MCDONOUGH, SMYRNA, GEORGIA

Dear Mr. Abraham,

WSP USA Inc. (WSP) is submitting this *Well Design and Installation Report* to Southern Company Services, Inc. (SCS) and Georgia Power Company (Georgia Power to document the construction of five wells at Plant McDonough in Smyrna, Georgia (Site). Monitoring well construction activities were performed in general accordance with the standards described in the United States Environmental Protection Agency, Region 4 Science and Ecosystem Support Division, Operating Procedure for *Design and Installation of Monitoring Wells* (SESDGUID-101-R2 January 16, 2018) and the Georgia Water Wells Standards Act of 1985. The installation of the injection well and performance monitoring wells were conducted under the oversight and direction of a Georgia Registered Professional Geologist (PG).

The field activities for this investigation were performed between November 2024 and September 2025. The field work consisted of the installation and development of five wells. Metro Engineering & Surveying (Metro) conducted a survey of the installed injection and performance monitoring wells in July and September 2025. A summary of the activities is presented below. Figure 1 presents the location of each of the newly installed wells.

Well Drilling and Construction Activities

Wells (INW-01, INW-01A, DR-01, DR-04, and PT-03) were drilled and installed at the facility between November 2024 and June 2025 by Cascade Drilling, L.P. (Cascade), contracted through SCS. Cascade had a current and valid bond with the Water Wells Standards Advisory Council for the state of Georgia at the time of drilling (Attachment A). The driller's name is provided on the boring/construction diagrams presented in Attachment B.

A WSP professional geologist registered to practice in Georgia was present on site to oversee and record the drilling and well construction. The rotosonic drilling technique was employed for borehole advancement, using a track-mounted TSI 150 rotosonic drill rig equipped with 4-inch sampling rods and a 6-inch casing sleeve. Continuous core samples were logged in the field for lithologic and geotechnical properties, then placed in core boxes and retained by SCS.

Downhole equipment was decontaminated prior to first use on site and between boreholes. The boring (lithologic) logs and injection well construction records for the newly installed injection and performance monitoring wells are

included in Attachment B. The construction data are summarized in Table 1, and the locations of the wells are provided on Figure 1.

Wells were constructed within the borehole using factory-cleaned and sealed Schedule 40 polyvinyl chloride (PVC) products with flush-threaded fittings. Wells were constructed with a 10-foot section of 3.25-inch outer diameter (OD) and 2-inch inner diameter (ID), flush-threaded, 0.010-inch factory-slotted PVC U-Pack screen. The well depths for INW-01, INW-01A, DR-01, DR-04, and PT-03 are shown in Table 1.

A flush-threaded PVC end cap was placed on the bottom of each injection and performance monitoring well screen to provide a 0.40-foot to 0.43-foot sump/sediment trap and the annulus of the U-Pack screen section was filled with No. 1 filter sand, prior to insertion into the borehole. The screen was placed near the bottom of each borehole, with the remainder of the well constructed from 10-foot sections of 2-inch ID, flush-threaded, PVC casing riser. The top of the wells extend to between approximately 0.25-feet and 0.40-feet below grade. Construction details for the wells are shown on the boring/construction logs in Attachment B. The PVC products used were American Society for Testing and Materials (ASTM) and National Sanitation Foundation (NSF) rated.

Following placement of the screen and casing, the annular space in each borehole adjacent to the screen was filled with 2 to 2.75 cubic feet of US Standard Sieve size No. 1 filter pack sand as appropriate for the formation. The filter pack sand was placed into the borehole using the tremie-pipe method and extends a minimum of 2 feet above the top of the screen. Immediately following placement of the filter pack, the injection well and performance monitoring wells were pumped using a portable submersible pump until visibly clear water was discharged. A filter pack seal, composed of approximately 2.3 to 3.5 feet (i.e., greater than the minimum of 2 feet) of hydrated 3/8” coated bentonite pellets (approximately 5 gallons) was then placed on top of the filter pack by slowly flowing the dry pellets by gravity down the borehole and checking the placement thickness with a weighted tape. Potable water was then added to the boring and the bentonite was allowed to hydrate for a minimum of two hours before proceeding with well completion.

Following hydration of the bentonite, the remaining annular space was grouted with AquaGuard® bentonite grout mixture to approximately 2 feet below ground surface using a tremie method. Based on information provided by the product manufacturer, AquaGuard® is a bentonite grout consisting of bentonite and additives that allow for a mixture of 30% solids by weight to facilitate grouting via tremie pipe, with additives that slow the bentonite curing so that proper placement can be achieved. Well surface completions consist of a flush mount equipped with a bolted and sealed 8-inch round flush mounted road-box protective casing with a 2-foot by 2-foot by 4-inch concrete pad and a lockable PVC well cap.

Well Development Activities

The newly installed wells were developed November 2024, January 2025, and June 2025 in general accordance with the *Monitoring Well Development Procedures* prepared by SCS (March 2016), and the US EPA Science and Ecosystem Support Division *Design and Installation of Monitoring Wells* (February 2008). The wells were surged using a Reclaimer pump system. During development, water quality measurements of pH, temperature, specific conductance, oxidation reduction potential (ORP), dissolved oxygen (DO), and turbidity were periodically performed using field-calibrated water quality equipment after the recovered groundwater conditions improved after initial purging. An AquaTroll® multimeter and a Hach turbidimeter were used for monitoring/water quality measurements. Water level measurements were collected using a decontaminated electronic water level indicator, referenced to a permanent marking at the top of the casing and recorded to within 0.01 foot. Equipment

calibration forms and development forms are included in Attachment B with development details summarized in Table 2.

Well Survey

The newly installed wells were surveyed on July 22, 2025 and September 12, 2025, by Metro Survey and Engineering. The survey was completed using Leica GS18T (survey-grade) global positioning system receiver and a closed level check loop with a Leica DNA10 digital level with a positional tolerance of 0.5/0.01' H:V. The top of the PVC casing was surveyed to 0.5 foot horizontal and 0.01-foot vertical tolerance, and a marking was made on the PVC to use for reference during future measurements. Surveyed coordinates and elevations are presented on the boring/construction diagrams and in Table 1. The certified surveyor's report dated September 12, 2025 is attached as Attachment C.

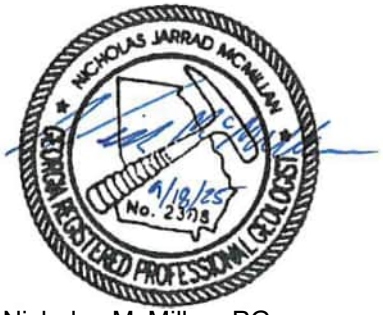
Closing

We appreciate the opportunity to assist SCS and Georgia Power with this project. Should you have any questions or require additional information, please contact the undersigned at (770) 496-1893.

WSP USA, INC.

Dawn L. Prell, CPG
Technical Principal, Hydrogeologist

I certify that I am a qualified ground-water scientist who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared by myself or by a subordinate working under my direction. We certify that the information included is to the best of our knowledge and belief, true, accurate and complete. In preparing this report, we have relied on information provided by Southern Company Services and Georgia Power.



Nicholas McMillan, PG
Georgia Registered Professional Geologist No. 2308

Attachments:

Figure 1:	Well Location Map
Table 1:	Summary of Well Construction Details
Table 2:	Summary of Well Development
Attachment A:	Cascade Drilling Bond
Attachment B:	Boring Logs/Construction Diagrams, Development Forms and Calibration Logs
Attachment C:	Certified Well Survey

Figure



LEGEND

- AP-1 MONITORING WELL
- AP-2,3/4 MONITORING WELL
- UPGRADIENT WELL
- ASSESSMENT MONITORING WELLS
- PIEZOMETER
- SURFACE WATER MONITORING LOCATION
- PROPOSED INJECTION LOCATION
- PROPOSED PERFORMANCE MONITORING WELL
- PROPOSED DOSE RESPONSE WELL
- PROPERTY BOUNDARY
- PERMIT BOUNDARY

NOTES

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.

REFERENCE

1. AERIAL IMAGERY DATE FOR AP-1, AP-2, AND AP-3/4 PROVIDED BY GEORGIA POWER, JULY 2024; AND SURROUNDING AREAS SOURCED BY PLEXEARTH, DATED SEPTEMBER 28, 2023.

2. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET).

3. INJECTION WELL AND PERFORMANCE MONITORING WELL LOCATIONS AND ELEVATIONS SURVEYED BY METRO ENGINEERING AND SURVEYING COMPANY IN MARCH 2025 WITH ADDITIONAL SURVEY PROVIDED IN JULY 2025.

0 200 400

1 IN= 200 FT

CLIENT
GEORGIA POWER COMPANY
PLANT MCDONOUGH-ATKINSON

PROJECT
WELL DESIGN AND INSTALLATION (INW-01, INW-01A, DR-01, DR-04, AND PT-03)

TITLE
WELL LOCATION MAP

CONSULTANT

YYYY-MM-DD	2025-09-02
PREPARED	JMB
DESIGN	JMB
CHECKED	NJM
REVIEWED/APPROVED	DLP

PROJECT No. 31406440.MCD23

Rev. 0

FIGURE 1

Path: M:\Plant_McDonough\MXD\AshPond1_Pitol_Locs_Install_report_09022025.mxd

Tables

TABLE 1
SUMMARY OF WELL CONSTRUCTION DETAILS
Georgia Power Company - Plant McDonough

Monitoring Well ID	Latitude	Longitude	NAD 83 Northing	NAD 83 Easting	Elevation On Top Of PVC (feet NAVD88)	Elevation Ground Surface (feet NAVD88)	Total Depth (feet bgs)	Screened Interval (feet bgs)	Top of Screen Elevation (feet NAVD88)	Bottom of Screen Elevation (feet NAVD88)	Screen Length	Water Level (feet btoc)	Date Installed
INW-01	33.825118	-84.482529	1391573.5	2200659.4	764.72	764.42	20.0	9.65-19.55	754.77	744.87	10	11.96	11/23/2024
INW-01A	33.825174	-84.482540	1391594.0	2200656.2	764.02	764.42	20.1	9.70-19.60	754.72	744.82	10	7.05	1/19/2025
DR-01	33.825185	-84.482541	1391597.9	2200655.7	764.01	764.37	17.5	7.16-17.06	757.21	747.31	10	7.38	6/24/2025
DR-04	33.825166	-84.482539	1391591.1	2200656.4	764.03	764.43	19.6	9.20-19.14	755.23	745.29	10	7.29	6/26/2025
PT-03	33.825158	-84.482569	1391588.0	2200647.4	762.78	763.06	19.8	9.38-19.32	753.68	743.74	10	6.39	6/26/2025

Notes:

Survey Data from Metro Engineering & Surveying Co., Inc.

ID - Identification

PVC - Polyvinyl chloride

NAD - North American Datum

NAVD88 - North American Vertical Datum 1988

NA - Not Available

bgs - Below ground surface

btoc - Below Top of Casing

Created by: JMB 08/29/2025

Checked by: NJM 09/05/2025

TABLE 2
SUMMARY OF WELL DEVELOPMENT
Georgia Power Company - Plant McDonough

Piezometer ID	Date Started	Time Started (hr:min)	Development Method	Measured Total Depth of Well (feet bTOC)	Initial Water level (feet bTOC)	Final Water Level (feet bTOC)	Initial Water Column Volume (gal)	Total Volume Removed (gal)	pH (SU)	Specific Conductance (mS/cm)	Temp (°C)	Turbidity (NTU)	ORP (mV)	DO (mg/L)
INW-01	11/25/2024	14:35	Reclaimer Pump	23.20	11.96	13.10	1.8	127	6.38	0.357	20.55	6.41	-52.3	0.56
INW-01A	1/24/2025	11:39	Reclaimer Pump	23.19	10.52	11.60	2.1	23	6.45	0.245	17.18	4.97	-30.5	0.78
DR-01	7/28/2025	12:30	Reclaimer Pump	17.11	11.75	10.20	0.9	42	6.21	0.215	20.83	4.86	318.9	1.18
DR-04	7/29/2025	10:07	Reclaimer Pump	19.39	7.85	8.25	1.9	30	6.11	0.177	21.82	9.11	376.1	0.32
PT-03	7/29/2025	13:14	Reclaimer Pump	19.51	6.70	9.68	2.1	49	6.56	0.219	22.15	6.80	233.4	2.43

Notes:

hr:min - hours:minutes
bTOC - feet below Top of Casing
gal - gallons
SU - Standard Units
mS/cm - millisiemens per centimeter
°C - degrees Celcius
NTU - nephelometric turbidity units
mV - millivolts
mg/L - milligrams per liter
ORP - oxygen reduction potential
DO - dissolved oxygen
ID - Identification
PVC - Polyvinyl chloride
Temp - Tempeature

Created by: JMB 08/29/2025
Checked by: NJM 09/05/2025

APPENDIX A

Cascade Drilling Bond

CONTINUATION CERTIFICATE

Atlantic Specialty Insurance Company , Surety upon

a certain Bond No. 800033976

dated effective September 27, 2017
(MONTH-DAY-YEAR)

on behalf of Ricky Davis / Cascade Drilling, L.P.
(PRINCIPAL)

and in favor of Department of Natural Resources, State of Georgia
(OBLIGEE)

does hereby continue said bond in force for the further period

beginning on June 30, 2023
(MONTH-DAY-YEAR)

and ending on June 30, 2025
(MONTH-DAY-YEAR)

Amount of bond Thirty Thousand and 00/100 Dollars ($30,000.00)

Description of bond Performance Bond for Water Well Contractors

Premium:

PROVIDED: That this continuation certificate does not create a new obligation and is executed upon the express condition and provision that the Surety's liability under said bond and this and all Continuation Certificates issued in connection therewith shall not be cumulative and that the said Surety's aggregate liability under said bond and this and all such Continuation Certificates on account of all defaults committed during the period (regardless of the number of years) said bond had been and shall be in force, shall not in any event exceed the amount of said bond as hereinbefore set forth.

Signed and dated on April 13, 2023
(MONTH-DAY-YEAR)

Atlantic Specialty Insurance Company

By _____
ATTORNEY-IN-FACT Carlos A. Albelo

intact INSURANCE

Power of Attorney

KNOW ALL MEN BY THESE PRESENTS, that ATLANTIC SPECIALTY INSURANCE COMPANY, a New York corporation with its principal office in Plymouth, Minnesota, does hereby constitute and appoint: **Megan Sivley, Melissa Haddick, Sandra Parker, Orlando Aguirre, Stacy Killebrew, Carlos A. Albelo**, each individually if there be more than one named, its true and lawful Attorney-in-Fact, to make, execute, seal and deliver, for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof; provided that no bond or undertaking executed under this authority shall exceed in amount the sum of: **unlimited** and the execution of such bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof in pursuance of these presents, shall be as binding upon said Company as if they had been fully signed by an authorized officer of the Company and sealed with the Company seal. This Power of Attorney is made and executed by authority of the following resolutions adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the President, any Senior Vice President or Vice-President (each an "Authorized Officer") may execute for and in behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and affix the seal of the Company thereto; and that the Authorized Officer may appoint and authorize an Attorney-in-Fact to execute on behalf of the Company any and all such instruments and to affix the Company seal thereto; and that the Authorized Officer may at any time remove any such Attorney-in-Fact and revoke all power and authority given to any such Attorney-in-Fact.

Resolved: That the Attorney-in-Fact may be given full power and authority to execute for and in the name and on behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed and sealed by an Authorized Officer and, further, the Attorney-in-Fact is hereby authorized to verify any affidavit required to be attached to bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof.

This power of attorney is signed and sealed by facsimile under the authority of the following Resolution adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the signature of an Authorized Officer, the signature of the Secretary or the Assistant Secretary, and the Company seal may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing an Attorney-in-Fact for purposes only of executing and sealing any bond, undertaking, recognizance or other written obligation in the nature thereof, and any such signature and seal where so used, being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

IN WITNESS WHEREOF, ATLANTIC SPECIALTY INSURANCE COMPANY has caused these presents to be signed by an Authorized Officer and the seal of the Company to be affixed this first day of January, 2023.

ATLANTIC SPECIALTY INSURANCE COMPANY CORPORATE SEAL 1986 NEW YORK

By _____
Sarah A. Kolar, General Counsel

STATE OF MINNESOTA
HENNEPIN COUNTY

On this first day of January, 2023, before me personally came Sarah A. Kolar, General Counsel of ATLANTIC SPECIALTY INSURANCE COMPANY, to me personally known to be the individual and officer described in and who executed the preceding instrument, and she acknowledged the execution of the same, and being by me duly sworn, that she is the said officer of the Company aforesaid, and that the seal affixed to the preceding instrument is the seal of said Company and that the said seal and the signature as such officer was duly affixed and subscribed to the said instrument by the authority and at the direction of the Company.

ALISON DWAN NASH-TROUT
NOTARY PUBLIC - MINNESOTA
My Commission Expires
January 31, 2026

_____
Notary Public

I, the undersigned, Secretary of ATLANTIC SPECIALTY INSURANCE COMPANY, a New York Corporation, do hereby certify that the foregoing power of attorney is in full force and has not been revoked, and the resolutions set forth above are now in force.

Signed and sealed. Dated 13th day of April 2023.

ATLANTIC SPECIALTY INSURANCE COMPANY CORPORATE SEAL 1986 NEW YORK

This Power of Attorney expires
January 31, 2025

_____
Kara Barrow, Secretary

Please direct bond verifications to surety@intactinsurance.com

GA Water Well Contractor License # 651

Bond Number 612424813

Performance Bond For Water Well Contractors

Name of Water Well Contractor Richard Alan Mooney

Know All Men By These Presents

That we Cascade Drilling, L.P. and Richard Alan Mooney and any and all employees, officers and partners (collectively hereinafter, **Principal**), and we United States Fire Insurance Company, duly organized under the laws of the State of Delaware (hereinafter, **Surety**), are held and firmly bound unto the Director of the Environmental Protection Division, Department of Natural Resources, State of Georgia (**Director**) and his or her successor or successors in office, as **Obligee**, in the full sum of **THIRTY THOUSAND DOLLARS ($30,000.00)** for the payment of which will and truly to be made, the Principal and Surety bind ourselves, our heirs, administrators, successors and assigns, jointly and severally, by these presents.

WHEREAS, the Water Well Standards Act of 1985 (O.C.G.A. §§ 12-5-120 *et seq.*) (the Act) requires that a Water Well Contractor, as that term is defined by the Act, have a performance bond with the Director to ensure compliance with the Act; and WHEREAS the above bound Principal is subject to the terms and provisions of said Act.

NOW, THEREFORE, the conditions of this obligation are such that if the above bound Principal shall fully and faithfully perform the duties and in all things comply with the procedures and standards set forth in the Act as now and hereafter amended, and the rules and regulations promulgated pursuant thereto, including but not limited to the correction of any violation of such procedures and standards upon discovery, irrespective of whether such discovery is made before completion of any well subject to this bond, then this obligation shall be void; otherwise it shall remain in full force and effect.

And Surety, for value received, agrees that no amendment to existing laws, rules or regulations, or adoption of new laws, rules or regulations shall in anyway discharge its obligation on this bond, and does hereby waive notice of any such amendment, adoption or modification.

This bond shall be effective from the 30th day of June, 20 25 and shall continue in effect until June 30, 2027, unless sooner terminated by mutual agreement of Principal and Surety, provided that no such termination may be made unless sixty (60) days' prior written notice is made to the Director. In the event of such termination, the rights of the Director as Obligee and beneficiaries under this bond which arose prior to such termination shall continue.

IN WITNESS THEREOF the Principal and Surety have caused these present to be duly signed and sealed, this the 2nd day of May, 20 25.

Principal Cascade Drilling, L.P.

Print name:

Title:

Seal:

Surety United States Fire Insurance Company

Print name: Melissa Haddick

Title: Attorney-in-Fact

Seal:

Revised 03.17.2021

POWER OF ATTORNEY
UNITED STATES FIRE INSURANCE COMPANY
PRINCIPAL OFFICE - MORRISTOWN, NEW JERSEY

(PRODUCER CODE)

KNOW ALL MEN BY THESE PRESENTS: That United States Fire Insurance Company, a corporation duly organized and existing under the laws of the state of Delaware, has made, constituted and appointed, and does hereby make, constitute and appoint: **Sandra Parker; Melissa Haddick; Tannis Mattson; Orlando Aguirre; Stacy Killebrew; Madison Diaz and Megan Sivley** each, its true and lawful Attorney(s)-In-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver: Any and all bonds and undertakings of surety and other documents that the ordinary course of surety business may require, and to bind United States Fire Insurance Company thereby as fully and to the same extent as if such bonds or undertakings had been duly executed and acknowledged by the regularly elected officers of United States Fire Insurance Company at its principal office, in amounts or penalties: **One Hundred Twenty Five Million Eight Hundred Thousand Dollars ($125,800,000)**

This Power of Attorney limits the act of those named therein to the bonds and undertakings specifically named therein, and they have no authority to bind United States Fire Insurance Company except in the manner and to the extent therein stated.

This Power of Attorney is granted pursuant to Article IV of the By-Laws of United States Fire Insurance Company as now in full force and effect, and consistent with Article III thereof, which Articles provide, in pertinent part:

Article IV, Execution of Instruments - Except as the Board of Directors may authorize by resolution, the Chairman of the Board, President, any Vice-President, any Assistant Vice President, the Secretary, or any Assistant Secretary shall have power on behalf of the Corporation:

(a) to execute, affix the corporate seal manually or by facsimile to, acknowledge, verify and deliver any contracts, obligations, instruments and documents whatsoever in connection with its business including, without limiting the foregoing, any bonds, guarantees, undertakings, recognizances, powers of attorney or revocations of any powers of attorney, stipulations, policies of insurance, deeds, leases, mortgages, releases, satisfactions and agency agreements;
(b) to appoint, in writing, one or more persons for any or all of the purposes mentioned in the preceding paragraph (a), including affixing the seal of the Corporation.

Article III, Officers, Section 3.11, Facsimile Signatures. The signature of any officer authorized by the Corporation to sign any bonds, guarantees, undertakings, recognizances, stipulations, powers of attorney or revocations of any powers of attorney and policies of insurance issued by the Corporation may be printed, facsimile, lithographed or otherwise produced. In addition, if and as authorized by the Board of Directors, dividend warrants or checks, or other numerous instruments similar to one another in form, may be signed by the facsimile signature or signatures, lithographed or otherwise produced, of such officer or officers of the Corporation as from time to time may be authorized to sign such instruments on behalf of the Corporation. The Corporation may continue to use for the purposes herein stated the facsimile signature of any person or persons who shall have been such officer or officers of the Corporation, notwithstanding the fact that he may have ceased to be such at the time when such instruments shall be issued.

IN WITNESS WHEREOF, United States Fire Insurance Company has caused these presents to be signed and attested by its appropriate officer and its corporate seal hereunto affixed this 17th day of January, 2025.

UNITED STATES FIRE INSURANCE COMPANY

Matthew E. Lubin, President

State of New Jersey}
County of Morris }

On this 17th day of January, 2025, before me, a Notary public of the State of New Jersey, came the above named officer of United States Fire Insurance Company, to me personally known to be the individual and officer described herein, and acknowledged that he executed the foregoing instrument and affixed the seal of United States Fire Insurance Company thereto by the authority of his office.

ETHAN SCHWARTZ
NOTARY PUBLIC
STATE OF NEW JERSEY
MY COMMISSION EXPIRES 6/25/2029
COMMISSION: #50223171

Ethan Schwartz (Notary Public)

I, the undersigned officer of United States Fire Insurance Company, a Delaware corporation, do hereby certify that the original Power of Attorney of which the foregoing is a full, true and correct copy is still in force and effect and has not been revoked.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of United States Fire Insurance Company on the 2nd day of May 20 25

UNITED STATES FIRE INSURANCE COMPANY

Michael C. Fay, Senior Vice President

*For verification of the authenticity of the Power of Attorney, please contact (phone number) or email: patricia.taber @amyntagroup.com

APPENDIX B

Boring Logs/Construction Diagrams, Development Forms and Calibration Logs

RECORD OF BOREHOLE INW-01

SHEET 1 of 1

PROJECT: Plant McDonough
PROJECT NUMBER: 31406440.02
DRILLED DEPTH: 20.00 ft

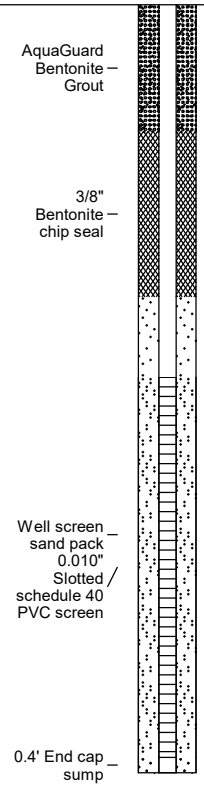
DRILL RIG: Terra Sonic 150
DATE STARTED: 11/23/24
DATE COMPLETED: 11/23/24

NORTHING: 1,391,573.50
EASTING: 2,200,659.40
GS ELEVATION: 764.91 ft
TOC ELEVATION: 764.72 ft

DEPTH W.L.: 11.96 ft
ELEVATION W.L.: 755.90 ft
DATE W.L.: 11/25/24
TIME W.L.: 2:00 pm

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	SAMPLES: SAMPLE NUMBER	TYPE	REC / ATT
0		0.00 - 4.00 **ML, Clayey SILT**, some sand, trace fine gravel, low plasticity, light brown, moist.	ML		760.87			
5	760	4.00 - 5.00 **ML, SILT** , some gravel, light gray and brown, non-plastic, moist.	ML		4.00 759.87 5.00	1	HAND AUGER	10.00 10.00
		5.00 - 10.00 **ML, SILT** , low plasticity, some fine to medium sand, light gray, moist.	ML		754.87			
10	755	10.00 - 14.00 **ML, SILT and SAND** , fine to coarse, non-plastic, some angular gravel, light gray and brown, moist. 12.50 - 14.00 Lesser silt content, wet, loose.	ML		10.00 750.87			
15	750	14.00 - 17.00 **SM, Silty SAND** , sand fine to medium, non-plastic, some fine gravel, micaceous, brown gray, moist; Partially Weathered Rock.	SM		14.00 747.87	2	ROTO SONIC	10.00 10.00
		17.00 - 19.90 **SM, Silty SAND with gravel** , fine to medium, non-plastic, fine to coarse gravel, light gray, moist; Partially Weathered Rock.	SM		17.00 744.97			
20	745	19.90 - 20.00 20.0': Top of Bedrock, gray, GNEISS Boring completed at 20.00 ft						
25	740							
30	735							
35	730							
40	725							

MONITORING WELL/ PIEZOMETER DIAGRAM and NOTES **INW-01**



WELL CONSTRUCTION DETAILS

WELL CASING
Interval: 0.19' - 9.7'
Material: SCH 40 PVC
Diameter: 2"
Joint Type: Threaded
WELL SCREEN
Interval: 9.7' - 19.6'
Material: SCH 40 PVC
Diameter: 2
Slot Size: 0.010"
End Cap: 0.4'
FILTER PACK
Interval: 7.6'- 20.0'
Type: Filter sand well pack
Quantity: 4 - 50 lbs bags
FILTER PACK SEAL
Interval: 3.3' - 7.6'
Type: Pel-Plug 3/8" bentonite chips
Quantity:1 - 5 gallon bucket
ANNULUS SEAL
Interval: 0.0' - 3.3'
Type: AquaGuard bentonite grout
Quantity: 2 - 50 lbs bags
WELL COMPLETION NOTES
NA

LOG SCALE: 1 in = 5 ft
DRILLING COMPANY: Cascade Environmental
DRILLER: C. Franklin

GA INSPECTOR: Thomas Keller
CHECKED BY: Nicholas McMillan
DATE: 4/28/25

AA BOREHOLE RECORD B-129, 130, 131,132 AND INW-01, 01A, AND 03.GPJ GOLDER NJ-PA 05-24-06.GDT 5/28/25

RECORD OF BOREHOLE INW-01A

SHEET 1 of 1

PROJECT: Plant McDonough
PROJECT NUMBER: 31406440.02
DRILLED DEPTH: 20.10 ft

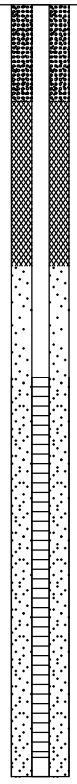
DRILL RIG: Terra Sonic 150
DATE STARTED: 1/19/25
DATE COMPLETED: 1/19/25

NORTHING: 1,391,594.0
EASTING: 2,200,656.20
GS ELEVATION: 764.42 ft
TOC ELEVATION: 764.02 ft

DEPTH W.L.: 7.05 ft
ELEVATION W.L.: 757.50 ft
DATE W.L.: 1/19/25
TIME W.L.: 1:15 pm

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	SAMPLES: SAMPLE NUMBER	TYPE	REC / ATT
0	764	0.00 - 15.00 **SM, Silty SAND** , sand fine to coarse, some fine gravel, gray to light yellowish brown, non-plastic, moist to wet; Saprolite.	SM			1	HAND AUGER	10.00 / 10.00
5	760							
10	755					2	ROTO SONIC	10.00 / 10.00
15	750				749.42 / 15.00			
		15.00 - 20.10 **SM, Silty SAND with gravel** , sand fine to coarse, fine to coarse gravel, reddish yellow, non-plastic, moist; Partially Weathered Rock.	SM					
20	745				744.32			
		Boring completed at 20.10 ft						
25	740							
30	735							
35	730							
40	725							

MONITORING WELL/ PIEZOMETER DIAGRAM and NOTES **INW-01A**



WELL CONSTRUCTION DETAILS

WELL CASING
Interval: 0.40' - 9.70'
Material: SCH 40 PVC
Diameter: 2"
Joint Type: Threaded
WELL SCREEN
Interval: 9.70' - 19.6'
Material: SCH 40 PVC
Diameter: 2
Slot Size: 0.010"
End Cap: 0.4'
FILTER PACK
Interval: 6.8'- 20.10'
Type: Filter sand well pack
Quantity: 4 - 50 lbs bags
FILTER PACK SEAL
Interval: 2.5' - 6.8'
Type: Pel-Plug 3/8" bentonite chips
Quantity:1 - 5 gallon bucket
ANNULUS SEAL
Interval: 0.0' - 2.5'
Type: AquaGuard bentonite grout
Quantity: 2 - 50 lbs bags
WELL COMPLETION NOTES
NA

LOG SCALE: 1 in = 5 ft
DRILLING COMPANY: Cascade Environmental
DRILLER: C. Franklin

GA INSPECTOR: Thomas Keller
CHECKED BY: Nicholas McMillan
DATE: 4/28/25

AA BOREHOLE RECORD B-129, 130, 131,132 AND INW-01, 01A, AND 03.GPJ GOLDER NJ-PA 05-24-06.GDT 5/28/25

RECORD OF BOREHOLE: DR-01

SHEET 1 of 1

PROJECT: Plant McDonough
PROJECT NUMBER: 31406440.02
DRILLED DEPTH: 17.50 ft

DRILL RIG: Terra Sonic 150
DATE STARTED: 6/24/25
DATE COMPLETED: 6/24/25

NORTHING: 1,391,597.90
EASTING: 2,200,655.70
GS ELEVATION: 764.37 ft
TOC ELEVATION: 764.01 ft

DEPTH W.L.: 7.38 ft
ELEVATION W.L.: 756.63 ft
DATE W.L.: 6/25/25
TIME W.L.: 10:00 am

DEPTH (ft)	DRILL RIG	DRILL METHOD	MATERIAL PROFILE: DESCRIPTION	USCS	STRATA PLOT	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: REC %
0	Crawler 150	Sonic	(ML) SILT sandy; fine to coarse-grained; light brown to gray; trace fine gravel; non-plastic	ML		0.0		SC	
10						754.37			
			(SM) silty SAND; light brown to light gray; trace mica	SM		10.0			
17						747.37			
			AUGEN GNEISS (bedrock); gray to light brown			17.0			
			Boring completed at 17.50 ft.			746.87			

CONSTRUCTION AND INSTALLATION DETAILS

WELL COMPLETION
Pad Dimensions:
2' (L) x 2' (W) x 4" (D)

WELL CASING
Interval: 0.36 - 7.16 ft. bgs
Material: Schedule 40 PVC
Diameter: 2"
Joint Type: Flush-threaded

WELL SCREEN
Interval: 7.16 - 17.06 ft. bgs
Type: PVC U-Pack®
Screen-Packed Material:
No. 1 Silica Sand
Diameter: 3.5" OD x 2" ID
Material: Schedule 40 PVC
Slot Width: 0.010"
Joint Type: Flush-threaded

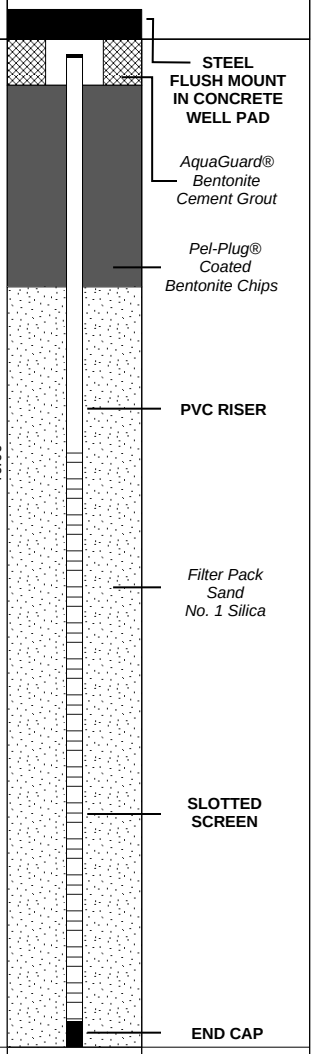
END CAP
Interval: 17.06 - 17.48 ft. bgs
Length: 0.42 ft
Diameter: 2"

ANNULUS SEAL
Interval: 0.00 - 0.80 ft. bgs
Type: AquaGuard® Bentonite
Cement Grout
Quantity: 1 x 5-gallon bucket

FILTER PACK SEAL
Interval: 0.80 - 4.30 ft. bgs
Type: Pel-Plug® Coated Bentonite
Chip Seal
Chip Size: 3/8"
Hydration Period: 2-hour minimum
Quantity: 1 x 5-gallon bucket

FILTER PACK
Interval: 4.30 - 17.50 ft. bgs
Type: Filter Pack Sand No. 1 Silica
Quantity: 5.5 bags

GROUNDWATER OBSERVATIONS: 26Jun25 10:00



ft. bgs - feet below ground surface
ID - Inside Diameter
OD - Outside Diameter
PVC - Polyvinyl Chloride
SC - Sonic Core

REV:

LOGGED: T. Keller
CHECKED: N. McMillan

DATE: Jun 24, 2025
DATE: Aug 22, 2025

Golder Log Imperial / Soil-Simple 3 w Samp Desc and Well / Golder - 3 Imperial US / ASTM D2487 Auto (most common ASTM) / 2025-07-18

RECORD OF BOREHOLE: DR-04

SHEET 1 of 1

PROJECT: Plant McDonough
PROJECT NUMBER: 31406440.02
DRILLED DEPTH: 20.00 ft

DRILL RIG: Terra Sonic 150
DATE STARTED: 6/24/25
DATE COMPLETED: 6/24/25

NORTHING: 1,391,591.10
EASTING: 2,200,656.40
GS ELEVATION: 764.43 ft
TOC ELEVATION: 764.03 ft

DEPTH W.L.: 7.29 ft
ELEVATION W.L.: 757.14 ft
DATE W.L.: 6/26/25
TIME W.L.: 10:00 am

DEPTH (ft)	DRILL RIG	DRILL METHOD	MATERIAL PROFILE: DESCRIPTION	USCS	STRATA PLOT	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: REC %
0	Crawler 150	Sonic	(ML) sandy SILT; light brown; micaceous; trace clay; moist; low plasticity; firm	ML		0.0 / 759.93		SC	
5			(SP) SAND; light gray; trace mica; dense	SP		4.5 / 754.43			
10			(SM) silty SAND; medium to coarse-grained; light gray to brown; trace mica; moist; increasingly hard with depth	SM		10.0 / 744.43			
20			Boring completed at 20.00 ft.						

CONSTRUCTION AND INSTALLATION DETAILS

WELL COMPLETION
Pad Dimensions:
2' (L) x 2' (W) x 4" (D)

WELL CASING
Interval: 0.40 - 9.20 ft. bgs
Material: Schedule 40 PVC
Diameter: 2"
Joint Type: Flush-threaded

WELL SCREEN
Interval: 9.20 - 19.14 ft. bgs
Type: PVC U-Pack®
Screen-Packed Material:
No. 1 Silica Sand
Diameter: 3.5" OD x 2" ID
Material: Schedule 40 PVC
Slot Width: 0.010"
Joint Type: Flush-threaded

END CAP
Interval: 19.14 - 19.57 ft. bgs
Length: 0.43 ft
Diameter: 2"

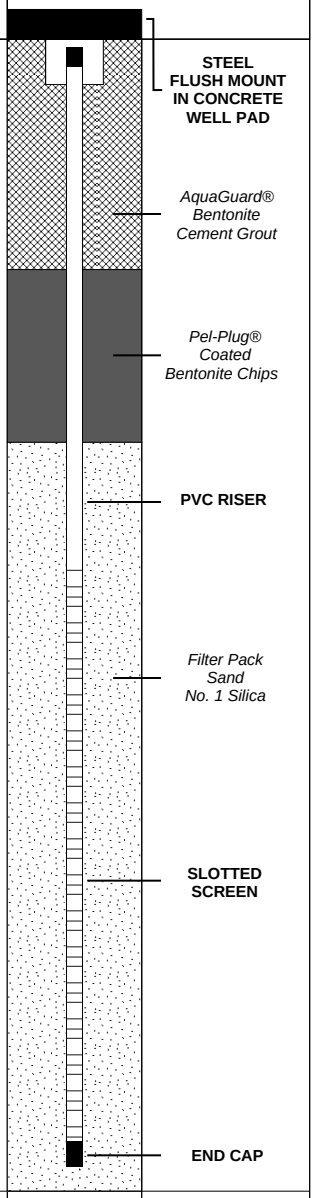
ANNULUS SEAL
Interval: 0.00 - 4.00 ft. bgs
Type: AquaGuard® Bentonite Cement Grout
Quantity: 1.5 x 5-gallon bucket

FILTER PACK SEAL
Interval: 4.00 - 7.00 ft. bgs
Type: Pel-Plug® Coated Bentonite Chip Seal
Chip Size: 3/8"
Hydration Period: 2-hr minimum
Quantity: 1 x 5-gallon bucket

FILTER PACK
Interval: 7.00 - 20.00 ft. bgs
Type: Filter Pack Sand No. 1 Silica
Quantity: 1 x 200-lb bag

GROUNDWATER OBSERVATIONS: 26Jun25 10:00

WELL DIAGRAM



ft. bgs - feet below ground surface
ID - Inside Diameter
OD - Outside Diameter
PVC - Polyvinyl Chloride
SC - Sonic Core

REV:

LOGGED: T. Keller
CHECKED: N. McMillan

DATE: Jun 24, 2025
DATE: Aug 22, 2025

Golder Log Imperial / Soil-Simple 3 w Samp Desc and Well / Golder - 3 Imperial US / ASTM D2487 Auto (most common ASTM) / 2025-07-18

RECORD OF BOREHOLE: PT-03

SHEET 1 of 1

PROJECT: Plant McDonough
PROJECT NUMBER: 31406440.02
DRILLED DEPTH: 20.00 ft

DRILL RIG: Terra Sonic 150
DATE STARTED: 6/24/25
DATE COMPLETED: 6/25/25

NORTHING: 1,391,588.00
EASTING: 2,200,647.40
GS ELEVATION: 763.06 ft
TOC ELEVATION: 762.78 ft

DEPTH W.L.: 6.39 ft
ELEVATION W.L.: 756.39 ft
DATE W.L.: 6/26/25
TIME W.L.: 10:00 am

DEPTH (ft)	DRILL RIG	DRILL METHOD	MATERIAL PROFILE: DESCRIPTION	USCS	STRATA PLOT	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: REC %
0	Crawler 150	Sonic	(ML) sandy SILT; light brown; micaceous; trace clay; moist; low plasticity	ML		0.0 / 758.06		SC	
5			(SP) SAND; fine to medium-grained; gray; micaceous; saprolitic with relict structure; moist; dense	SP		5.0 / 748.06			
15			(SP) SAND; fine to coarse-grained; light gray; micaceous; <10% gravel; some planar fragments; bottom 2" dry; very dense			15.0 / 746.06			
17			(SP) SAND; fine to medium-grained; light gray brown; micaceous; some gravel present; very dense			17.0 / 743.26			
20			SCHIST (bedrock)			19.8 / 743.06			
			Boring completed at 20.00 ft.						

CONSTRUCTION AND INSTALLATION DETAILS

WELL COMPLETION
Pad Dimensions:
2' (L) x 2' (W) x 4" (D)

WELL CASING
Interval: 0.28 - 9.38 ft. bgs
Material: Schedule 40 PVC
Diameter: 2"
Joint Type: Flush-threaded

WELL SCREEN
Interval: 9.38 - 19.32 ft. bgs
Type: PVC U-Pack®
Screen-Packed Material:
No. 1 Silica Sand
Diameter: 3.5" OD x 2" ID
Material: Schedule 40 PVC
Slot Width: 0.010"
Joint Type: Flush-threaded

END CAP
Interval: 19.32 - 19.75 ft.
bgs Length: 0.43 ft
Diameter: 2"

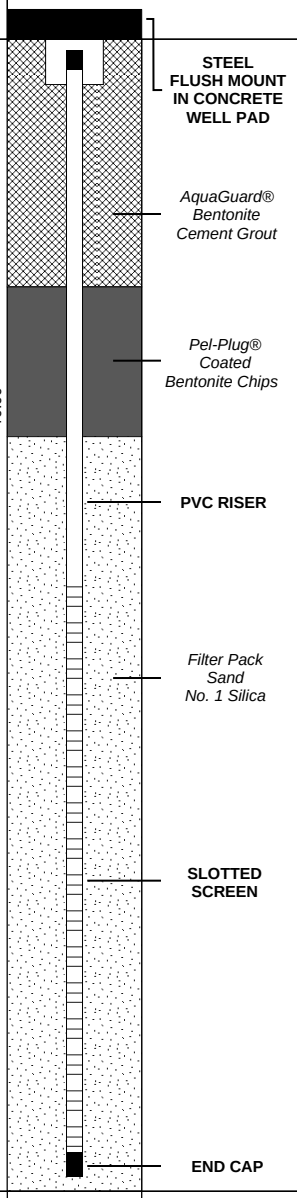
ANNULUS SEAL
Interval: 0.00 - 4.30 ft. bgs
Type: AquaGuard® Bentonite Cement Grout
Quantity: 1.5 x 5-gallon bucket

FILTER PACK SEAL
Interval: 4.30 - 6.90 ft. bgs
Type: Pel-Plug® Coated Bentonite Chip Seal
Chip Size: 3/8"
Hydration Period: 2-hr minimum
Quantity: 1 x 5-gallon bucket

FILTER PACK
Interval: 6.90 - 20.00 ft. bgs
Type: Filter Pack Sand No. 1 Silica
Quantity: 1 x 200-lb bag

GROUNDWATER OBSERVATIONS: 26Jun25 ▽ 10:00

WELL DIAGRAM



ft. bgs - feet below ground surface
ID - Inside Diameter
OD - Outside Diameter
PVC - Polyvinyl Chloride
SC - Sonic Core

REV:

LOGGED: T. Keller
CHECKED: N. McMillan

DATE: Jun 24, 2025
DATE: Aug 22, 2025

Golder Log Imperial / Soil-Simple 3 w Samp Desc and Well / Golder - 3 Imperial US / ASTM D2487 Auto (most common ASTM) / 2025-07-18

DEV. INJECTOR

TIME	WL. from TOC (ft)	VOL REMOVED GAL	TURB NTUs	DO mg/L	Temp C°	Spec. Cond mS/cm	pH	ORP mV	NOTES
14:35	11.96								
14:40	DRY	5							REMOVED REMNT GW STOP
14:50	12.15	5							RESUME SURGE
14:55	13.45	5	>1000	1.60	20.49	263.2	6.33	-60.6	
15:00	5.4	7.5	>1000	6.46	20.34	295.91	6.50	-95.4	BROWN AIR THRU GW
15:05	15.7	10	>1000	2.22	20.65	263.97	6.38	-69.2	SURGE H. brown
15:10	17.9	12	>1000	1.86	20.39	266.5	6.34	-96.5	SURGE
15:15	18.9	14	>1000	0.67	20.21	276.1	6.37	-127.6	BLOWING AIR STOP H. brown
15:25	11.95		RESUME						
15:30	11.7	16.5	>1000	6.61	20.43	257.6	6.52	-50.3	SURGE
15:35	10.80	18.0	>1000	1.80	20.60	261.0	6.39	-78.6	SURGE
15:40	14.2	20	>1000	1.80	20.69	276.5	6.39	-81.7	
15:45	14.7	21.75	>1000	1.66	20.58	265.2	6.36	-81.6	SURGE INCREASE FLOW
15:50	16.6	24	>1000	1.40	20.59	262.8	6.36	-77.3	
16:00	16.4	30	>1000	1.09	20.31	292.2	6.40	-78.3	STOP
16:55	16.0	30.5	—	—	—	—	—	—	RESUME SURGE
16:20	15.2	33.0	>1000	2.08	20.80	272.7	6.36	-67.8	SURGE H. brown
16:30	15.2	35.0	>1000	1.65	20.36	271.8	6.35	-91.4	BLOWING AIR STOP
16:40	11.95	—	—	—	—	—	—	—	RESUME
16:50	12.00	40	>1600	0.90	20.52	285.3	6.33	-41.7	SURGE
17:00	12.1	45							STOP
17:45	12.00								RESUME
17:50	—	50	—						

Location

Project / Client

Scale

Date

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Rite in the Rain

INW-01

TIME	WL ft TOC	VOL REMOVED GAL	TURB NTUs	D.O. mg/L	Temp C°	Sp.Cond µS/cm	pH	ORP mV	NOTES
8:10	16.72	START		3.64	20.03	2989	6.25	-34.6	50 gal from 11-28
8:15	13.9	52.5	>1000						SURGE
8:20	16.8	60.0	>1000	0.59	20.44	3136	6.27	-46.6	SURGE
8:40	15.6	66.0	>1000	0.73	20.32	3287	6.33	-50.1	STOP - TO ALLOW RECHARGE
8:45	12.1	66							SURGE RESUME
8:50	16.1	70	>1000	1.67	20.43	327.9	6.31	-51.1	
9:00	15.2	74	>1000	1.00	20.31	325.0	6.32	-51.4	
9:05	12.6	74							SURGE RESUME
9:10	15.9	79	>1000	3.19	20.42	336.8	6.37	-45.9	SURGE - SOME AIR BLOWING UP
9:25	14.8	85	>1000	3.88	20.41	337.9	6.34	-54.4	SEC
9:30		90	>1000						STOP.
10:25	11.97	90							SURGE
10:35	13.40	96	>1000	3.34	20.52	3435	6.38	-40.1	SURGE SOME AIR IN CONE
10:40	14.70	100	>1000	2.96	20.42	345.7	6.38	-45.2	SURGE SOME AIR
10:50	14.70	105	>1000	3.30	20.52	350.3	6.44	-49.5	SURGE SOME AIR IN CELL
10:55	13.60	108	530	1.27	20.43	348.0	6.35	-47.5	
11:00	13.20	110	48	0.83	20.43	351.7	6.36	-53.2	
11:05	13:00	112	74	0.66	20.43	351.8	6.37	-58.4	
11:10	13.05	115	31.6	0.65	20.56	353.4	6.37	-55.3	
11:15	13.10	116	11.5	0.69	20.50	354.1	6.37	-54.2	
11:20	13.2	117.5	9.31	0.65	20.51	355.4	6.38	-54.1	
11:25	13.2	120	5.28	0.63	20.49	355	6.38	-53.1	
11:30	13.3	121.5	3.69	0.62	20.47	355.3	6.36	-54.4	
11:35	13.2	123.5	3.85	0.62	20.58	357.1	6.38	-52.5	
11:40	13.2	125	5.65	0.62	20.51	357.0	6.38	-53.0	
11:45	13.1	127	6.41	0.76	20.55	357.2	6.38	-52.3	STOP

Location
Project / Client
Scale
Date
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Low-Flow Test Report:

Test Date / Time: 1/24/2025 11:39:38 AM
Project: McDonough Development
Operator Name: Dana Bloomfield

Location Name: MCD-INW-01A **Latitude: 33.82658878794899** **Longitude: -84.48265798892093** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.19 ft** **Total Depth: 23.19 ft** **Initial Depth to Water: 10.52 ft**	**Pump Type: Reclaimer** **Tubing Type: LDPE** **Pump Intake From TOC: 23.19 m** **Estimated Total Volume Pumped: 22.5 gal** **Flow Cell Volume: 90 ml** **Final Flow Rate: 0.25 gal/min** **Final Draw Down: 1.08 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080300**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 0.3	
1/24/2025 11:39 AM	00:00	6.28 pH	18.48 °C	222.73 µS/cm	8.28 mg/L		-3.6 mV	10.52 ft	0.25 gal/min
1/24/2025 11:49 AM	10:00	6.37 pH	17.14 °C	244.69 µS/cm	1.00 mg/L	895.00 NTU	-27.9 mV	11.41 ft	0.25 gal/min
1/24/2025 11:59 AM	20:00	6.42 pH	17.14 °C	248.44 µS/cm	0.95 mg/L	79.90 NTU	-30.7 mV	11.55 ft	0.25 gal/min
1/24/2025 12:09 PM	30:00	6.43 pH	17.09 °C	247.32 µS/cm	0.79 mg/L	26.60 NTU	-30.9 mV	11.55 ft	0.25 gal/min
1/24/2025 12:19 PM	40:00	6.40 pH	17.11 °C	246.06 µS/cm	0.86 mg/L	15.70 NTU	-28.4 mV	11.55 ft	0.25 gal/min
1/24/2025 12:29 PM	50:00	6.44 pH	17.00 °C	244.69 µS/cm	0.74 mg/L	13.60 NTU	-29.4 mV	11.60 ft	0.25 gal/min
1/24/2025 12:39 PM	01:00:00	6.45 pH	17.02 °C	246.04 µS/cm	0.80 mg/L	31.80 NTU	-31.9 mV	11.60 ft	0.25 gal/min
1/24/2025 12:49 PM	01:10:00	6.44 pH	17.04 °C	245.07 µS/cm	0.74 mg/L	8.59 NTU	-30.2 mV	11.60 ft	0.25 gal/min
1/24/2025 12:59 PM	01:20:00	6.42 pH	17.26 °C	244.87 µS/cm	0.80 mg/L	6.91 NTU	-27.6 mV	11.60 ft	0.25 gal/min
1/24/2025 1:09 PM	01:30:00	6.45 pH	17.18 °C	244.59 µS/cm	0.78 mg/L	4.97 NTU	-30.5 mV	11.60 ft	0.25 gal/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 7/28/2025 12:30:19 PM
Project: GP-McDonuogh DR-01
Operator Name: Terrell Parker

Location Name: DR-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 7.16 ft** **Total Depth: 17.11 ft**	**Pump Type: Reclaimer - Airlift** **Tubing Type: PE** **Pump Intake From TOC: 17 ft** **Estimated Total Volume Pumped: 41.5 gal** **Flow Cell Volume: 90 ml** **Final Flow Rate: 1600 ml/min** **Final Draw Down: 10.18 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1179231**

Test Notes:

Weather Conditions:
Clear, Sunny, 97 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
7/28/2025 12:30 PM	00:00	6.315 pH	24.21 °C	267.7 µS/cm	1.589 mg/L	1,000 NTU	78.4 mV	11.75 ft	3,614 ml/min
7/28/2025 12:35 PM	05:00	6.287 pH	20.50 °C	208.7 µS/cm	4.122 mg/L	1,000 NTU	473.7 mV	11.00 ft	3,614 ml/min
7/28/2025 12:40 PM	10:00	6.345 pH	23.08 °C	214.1 µS/cm	4.731 mg/L	1,000 NTU	466.1 mV	10.70 ft	850.0 ml/min
7/28/2025 12:45 PM	15:00	6.281 pH	22.15 °C	261.3 µS/cm	1.228 mg/L	1,000 NTU	452.7 mV	9.750 ft	850.0 ml/min
7/28/2025 12:50 PM	20:00	6.299 pH	22.33 °C	259.6 µS/cm	0.773 mg/L	1,000 NTU	463.3 mV	9.750 ft	850.0 ml/min
7/28/2025 12:55 PM	25:00	6.288 pH	22.00 °C	261.9 µS/cm	1.900 mg/L	1,000 NTU	473.6 mV	9.450 ft	1,800 ml/min
7/28/2025 1:00 PM	30:00	6.284 pH	22.15 °C	263.7 µS/cm	1.802 mg/L	400.0 NTU	479.4 mV	9.450 ft	1,800 ml/min
7/28/2025 1:05 PM	35:00	6.267 pH	22.03 °C	260.4 µS/cm	1.823 mg/L	1,000 NTU	488.6 mV	9.750 ft	1,800 ml/min
7/28/2025 1:10 PM	40:00	6.270 pH	21.61 °C	254.2 µS/cm	1.442 mg/L	1,000 NTU	565.2 mV	10.15 ft	1,800 ml/min
7/28/2025 1:15 PM	45:00	6.269 pH	21.39 °C	256.3 µS/cm	1.594 mg/L	337.0 NTU	553.6 mV	10.15 ft	1,800 ml/min
7/28/2025 1:20 PM	50:00	6.281 pH	22.19 °C	257.2 µS/cm	1.608 mg/L	319.0 NTU	462.5 mV	10.15 ft	1,800 ml/min
7/28/2025 1:25 PM	55:00	6.272 pH	22.15 °C	256.0 µS/cm	1.471 mg/L	363.0 NTU	532.2 mV	10.15 ft	1,800 ml/min
7/28/2025 1:30 PM	01:00:00	6.267 pH	21.66 °C	252.4 µS/cm	1.368 mg/L	1,000 NTU	536.2 mV	10.15 ft	1,800 ml/min

7/28/2025 1:35 PM	01:05:00	6.268 pH	22.14 °C	240.1 µS/cm	1.186 mg/L	1,000 NTU	540.9 mV	10.25 ft	1,800 ml/min
7/28/2025 1:40 PM	01:10:00	6.253 pH	21.59 °C	244.0 µS/cm	1.372 mg/L	1,000 NTU	542.2 mV	10.15 ft	1,800 ml/min
7/28/2025 1:45 PM	01:15:00	6.269 pH	21.85 °C	244.8 µS/cm	1.454 mg/L	1,000 NTU	455.6 mV	10.15 ft	1,800 ml/min
7/28/2025 1:50 PM	01:20:00	6.255 pH	22.33 °C	247.8 µS/cm	1.369 mg/L	1,000 NTU	439.1 mV	10.15 ft	1,800 ml/min
7/28/2025 1:55 PM	01:25:00	6.260 pH	21.89 °C	246.0 µS/cm	1.341 mg/L	246.0 NTU	434.1 mV	10.15 ft	1,800 ml/min
7/28/2025 2:00 PM	01:30:00	6.266 pH	22.27 °C	241.7 µS/cm	1.546 mg/L	224.0 NTU	417.9 mV	10.15 ft	1,800 ml/min
7/28/2025 2:03 PM	01:33:07	6.251 pH	21.76 °C	240.2 µS/cm	1.250 mg/L	240.2 NTU	372.4 mV	10.20 ft	1,800 ml/min
7/28/2025 2:08 PM	01:38:07	6.263 pH	22.18 °C	245.3 µS/cm	1.542 mg/L	1,000 NTU	427.3 mV	10.20 ft	1,800 ml/min
7/28/2025 2:13 PM	01:43:07	6.253 pH	22.08 °C	237.2 µS/cm	1.360 mg/L	206.0 NTU	501.1 mV	10.20 ft	1,800 ml/min
7/28/2025 2:18 PM	01:48:07	6.258 pH	22.26 °C	245.5 µS/cm	1.533 mg/L	177.0 NTU	418.6 mV	9.900 ft	1,800 ml/min
7/28/2025 2:23 PM	01:53:07	6.253 pH	22.24 °C	235.1 µS/cm	1.220 mg/L	1,000 NTU	424.5 mV	9.900 ft	2,000 ml/min
7/28/2025 2:28 PM	01:58:07	6.251 pH	22.41 °C	243.3 µS/cm	1.731 mg/L	1,000 NTU	485.6 mV	9.900 ft	2,000 ml/min
7/28/2025 2:33 PM	02:03:07	6.250 pH	22.02 °C	244.3 µS/cm	1.343 mg/L	411.0 NTU	410.6 mV	9.900 ft	2,000 ml/min
7/28/2025 2:38 PM	02:08:07	6.248 pH	21.42 °C	237.0 µS/cm	1.171 mg/L	192.0 NTU	485.0 mV	12.52 ft	2,000 ml/min
7/28/2025 2:43 PM	02:13:07	6.161 pH	21.04 °C	196.0 µS/cm	0.315 mg/L	1,000 NTU	522.7 mV	13.50 ft	2,000 ml/min
7/28/2025 2:48 PM	02:18:07	6.163 pH	20.90 °C	200.1 µS/cm	0.126 mg/L	1,000 NTU	521.2 mV	12.45 ft	2,000 ml/min
7/28/2025 2:53 PM	02:23:07	6.209 pH	20.93 °C	211.2 µS/cm	0.600 mg/L	214.0 NTU	436.3 mV	11.25 ft	2,000 ml/min
7/28/2025 2:58 PM	02:28:07	6.208 pH	20.99 °C	212.1 µS/cm	0.874 mg/L	80.60 NTU	524.8 mV	11.35 ft	2,000 ml/min
7/28/2025 3:03 PM	02:33:07	6.202 pH	20.76 °C	212.5 µS/cm	1.062 mg/L	38.80 NTU	524.4 mV	11.21 ft	2,000 ml/min
7/28/2025 3:08 PM	02:38:07	6.203 pH	20.97 °C	211.0 µS/cm	1.088 mg/L	58.00 NTU	420.6 mV	10.95 ft	2,000 ml/min
7/28/2025 3:13 PM	02:43:07	6.200 pH	20.91 °C	211.6 µS/cm	1.174 mg/L	65.00 NTU	415.4 mV	10.15 ft	1,600 ml/min
7/28/2025 3:18 PM	02:48:07	6.210 pH	20.85 °C	221.8 µS/cm	1.562 mg/L	78.00 NTU	486.2 mV	10.15 ft	1,600 ml/min
7/28/2025 3:23 PM	02:53:07	6.218 pH	21.05 °C	224.5 µS/cm	1.439 mg/L	34.80 NTU	378.6 mV	10.15 ft	1,600 ml/min
7/28/2025 3:28 PM	02:58:07	6.206 pH	21.03 °C	219.4 µS/cm	1.340 mg/L	22.10 NTU	454.9 mV	10.20 ft	1,600 ml/min
7/28/2025 3:33 PM	03:03:07	6.209 pH	20.95 °C	219.8 µS/cm	1.384 mg/L	18.65 NTU	344.8 mV	10.20 ft	1,600 ml/min
7/28/2025 3:34 PM	03:03:42	6.211 pH	20.97 °C	221.3 µS/cm	1.384 mg/L		311.1 mV	10.20 ft	1,600 ml/min
7/28/2025 3:36 PM	03:05:42	6.209 pH	21.00 °C	219.2 µS/cm	1.332 mg/L		288.9 mV	10.20 ft	1,600 ml/min
7/28/2025 3:41 PM	03:10:42	6.198 pH	20.95 °C	215.5 µS/cm	1.206 mg/L	9.440 NTU	423.1 mV	10.20 ft	1,600 ml/min
7/28/2025 3:46 PM	03:15:42	6.207 pH	20.86 °C	217.3 µS/cm	1.104 mg/L	6.080 NTU	325.4 mV	10.20 ft	1,600 ml/min

7/28/2025 3:51 PM	03:20:42	6.208 pH	20.83 °C	214.8 µS/cm	1.178 mg/L	4.860 NTU	318.9 mV	10.20 ft	1,600 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/29/2025 10:07:32 AM
Project: GP-McDonuogh DR-04
Operator Name: Terrell Parker

Location Name: DR-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 9.39 ft** **Total Depth: 19.39 ft** **Initial Depth to Water: 7.85 ft**	**Pump Type: Reclaimer - Airlift** **Tubing Type: PE** **Pump Intake From TOC: 19.3 ft** **Estimated Total Volume Pumped: 30 gal** **Flow Cell Volume: 90 ml** **Final Flow Rate: 1200 ml/min** **Final Draw Down: 0.4 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1179231**

Test Notes:

Weather Conditions:
Clear, Sunny, humid, 84 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
7/29/2025 10:07 AM	00:00	7.238 pH	25.37 °C	238.9 µS/cm	6.986 mg/L	1,000 NTU	-27.2 mV	7.850 ft	1,500 ml/min
7/29/2025 10:12 AM	05:00	6.201 pH	21.08 °C	169.6 µS/cm	0.798 mg/L	1,000 NTU	197.8 mV	8.450 ft	1,500 ml/min
7/29/2025 10:17 AM	10:00	6.139 pH	21.26 °C	166.0 µS/cm	0.463 mg/L	981.0 NTU	251.2 mV	8.720 ft	1,350 ml/min
7/29/2025 10:22 AM	15:00	6.143 pH	21.54 °C	171.6 µS/cm	0.364 mg/L	1,000 NTU	276.7 mV	8.720 ft	1,350 ml/min
7/29/2025 10:27 AM	20:00	6.155 pH	21.61 °C	176.7 µS/cm	0.647 mg/L	397.0 NTU	337.7 mV	8.720 ft	1,350 ml/min
7/29/2025 10:32 AM	25:00	6.149 pH	21.70 °C	175.3 µS/cm	0.502 mg/L	1,000 NTU	360.3 mV	8.720 ft	1,350 ml/min
7/29/2025 10:37 AM	30:00	6.158 pH	22.00 °C	177.3 µS/cm	0.727 mg/L	755.0 NTU	310.6 mV	8.720 ft	1,350 ml/min
7/29/2025 10:42 AM	35:00	6.156 pH	21.61 °C	177.7 µS/cm	1.351 mg/L	128.0 NTU	324.2 mV	8.310 ft	3,000 ml/min
7/29/2025 10:47 AM	40:00	6.167 pH	21.46 °C	176.2 µS/cm	2.229 mg/L	1,000 NTU	328.0 mV	8.650 ft	3,000 ml/min
7/29/2025 10:52 AM	45:00	6.134 pH	21.65 °C	176.6 µS/cm	1.034 mg/L	1,000 NTU	339.4 mV	8.650 ft	3,000 ml/min
7/29/2025 10:57 AM	50:00	6.139 pH	21.62 °C	178.5 µS/cm	1.197 mg/L	1,000 NTU	334.2 mV	8.410 ft	3,000 ml/min
7/29/2025 11:02 AM	55:00	6.136 pH	21.91 °C	177.1 µS/cm	0.468 mg/L	459.0 NTU	336.4 mV	8.400 ft	2,000 ml/min
7/29/2025 11:04 AM	57:00	6.127 pH	21.94 °C	177.1 µS/cm	0.555 mg/L	252.0 NTU	284.6 mV	8.400 ft	2,000 ml/min

7/29/2025 11:09 AM	01:02:00	6.142 pH	22.04 °C	176.5 µS/cm	1.334 mg/L	206.0 NTU	340.8 mV	8.300 ft	2,000 ml/min
7/29/2025 11:13 AM	01:05:39	6.116 pH	21.95 °C	177.0 µS/cm	0.257 mg/L	127.0 NTU	287.9 mV	8.310 ft	2,000 ml/min
7/29/2025 11:18 AM	01:10:39	6.119 pH	22.02 °C	178.0 µS/cm	0.382 mg/L	101.0 NTU	344.9 mV	8.250 ft	2,000 ml/min
7/29/2025 11:23 AM	01:15:50	6.121 pH	22.03 °C	176.9 µS/cm	0.427 mg/L	29.70 NTU	275.8 mV	8.250 ft	2,000 ml/min
7/29/2025 11:28 AM	01:20:50	6.099 pH	22.23 °C	178.1 µS/cm	0.328 mg/L	27.70 NTU	338.2 mV	8.300 ft	2,000 ml/min
7/29/2025 11:33 AM	01:25:50	6.112 pH	22.03 °C	177.1 µS/cm	0.445 mg/L	25.90 NTU	405.9 mV	8.300 ft	2,000 ml/min
7/29/2025 11:38 AM	01:30:50	6.125 pH	22.02 °C	176.5 µS/cm	0.438 mg/L	19.80 NTU	407.1 mV	8.300 ft	2,000 ml/min
7/29/2025 11:43 AM	01:35:50	6.117 pH	22.08 °C	178.0 µS/cm	0.418 mg/L	20.70 NTU	408.7 mV	8.300 ft	2,000 ml/min
7/29/2025 11:48 AM	01:40:50	6.116 pH	22.15 °C	177.1 µS/cm	0.307 mg/L	12.70 NTU	408.6 mV	8.250 ft	1,200 ml/min
7/29/2025 11:53 AM	01:45:50	6.109 pH	22.33 °C	177.3 µS/cm	0.179 mg/L	11.10 NTU	406.7 mV	8.250 ft	1,200 ml/min
7/29/2025 11:58 AM	01:50:50	6.122 pH	22.06 °C	178.1 µS/cm	0.257 mg/L	11.40 NTU	332.8 mV	8.250 ft	1,200 ml/min
7/29/2025 12:03 PM	01:55:50	6.115 pH	22.12 °C	176.2 µS/cm	0.197 mg/L	9.110 NTU	323.8 mV	8.250 ft	1,200 ml/min
7/29/2025 12:08 PM	02:00:50	6.104 pH	21.84 °C	176.6 µS/cm	0.137 mg/L		313.9 mV	8.250 ft	1,200 ml/min
7/29/2025 12:13 PM	02:05:50	6.105 pH	21.82 °C	177.0 µS/cm	0.316 mg/L		376.1 mV	8.250 ft	1,200 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 7/29/2025 1:14:38 PM
Project: GP-McDonuogh PT-03
Operator Name: Terrell Parker

Location Name: PT-03 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 9.51 ft** **Total Depth: 19.51 ft** **Initial Depth to Water: 6.7 ft**	**Pump Type: Reclaimer - Airlift** **Tubing Type: PE** **Pump Intake From TOC: 19.4 ft** **Estimated Total Volume Pumped: 27 gal** **Flow Cell Volume: 90 ml** **Final Flow Rate: 1100 ml/min** **Final Draw Down: 3 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1179231**

Test Notes:

Weather Conditions:
Partly cloudy, 93 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
7/29/2025 1:14 PM	00:00	6.595 pH	21.09 °C	182.3 µS/cm	0.524 mg/L	1,000 NTU	110.4 mV	6.700 ft	2,000 ml/min
7/29/2025 1:19 PM	05:00	6.628 pH	20.32 °C	227.7 µS/cm	0.194 mg/L	1,000 NTU	378.2 mV	14.65 ft	2,000 ml/min
7/29/2025 1:24 PM	10:00	6.647 pH	20.49 °C	230.1 µS/cm	0.255 mg/L	1,000 NTU	313.6 mV	12.42 ft	1,000 ml/min
7/29/2025 1:29 PM	15:00	6.664 pH	20.90 °C	224.3 µS/cm	0.408 mg/L	1,000 NTU	271.2 mV	11.55 ft	1,000 ml/min
7/29/2025 1:34 PM	20:00	6.621 pH	21.48 °C	213.9 µS/cm	2.198 mg/L	1,000 NTU	304.4 mV	11.10 ft	1,000 ml/min
7/29/2025 1:39 PM	25:00	6.594 pH	21.56 °C	210.6 µS/cm	2.879 mg/L	1,000 NTU	256.3 mV	11.20 ft	1,000 ml/min
7/29/2025 1:44 PM	30:00	6.566 pH	21.10 °C	208.6 µS/cm	3.115 mg/L	1,000 NTU	355.4 mV	12.24 ft	1,800 ml/min
7/29/2025 1:49 PM	35:00	6.560 pH	21.03 °C	203.4 µS/cm	2.828 mg/L	1,000 NTU	385.8 mV	13.32 ft	1,800 ml/min
7/29/2025 1:54 PM	40:00	6.566 pH	20.56 °C	220.1 µS/cm	0.516 mg/L	1,000 NTU	320.0 mV	16.02 ft	1,400 ml/min
7/29/2025 1:59 PM	45:00	6.661 pH	20.68 °C	226.2 µS/cm	0.275 mg/L	1,000 NTU	224.4 mV	15.41 ft	1,400 ml/min
7/29/2025 2:04 PM	50:00	6.615 pH	20.50 °C	212.7 µS/cm	1.177 mg/L	124.0 NTU	321.8 mV	15.45 ft	1,400 ml/min
7/29/2025 2:09 PM	55:00	6.583 pH	20.94 °C	210.4 µS/cm	1.799 mg/L	77.40 NTU	351.2 mV	15.51 ft	1,400 ml/min
7/29/2025 2:14 PM	01:00:00	6.569 pH	21.02 °C	207.6 µS/cm	2.371 mg/L	56.30 NTU	380.0 mV	14.80 ft	1,400 ml/min

7/29/2025 2:19 PM	01:05:00	6.568 pH	20.99 °C	206.8 µS/cm	2.545 mg/L	85.40 NTU	307.6 mV	14.15 ft	1,400 ml/min
7/29/2025 2:24 PM	01:10:00	6.566 pH	21.00 °C	207.2 µS/cm	2.153 mg/L	42.10 NTU	319.4 mV	13.82 ft	1,400 ml/min
7/29/2025 2:29 PM	01:15:00	6.558 pH	20.99 °C	207.6 µS/cm	2.213 mg/L	42.20 NTU	327.7 mV	13.35 ft	1,400 ml/min
7/29/2025 2:34 PM	01:20:00	6.558 pH	20.94 °C	209.6 µS/cm	2.124 mg/L	78.70 NTU	318.4 mV	12.85 ft	1,400 ml/min
7/29/2025 2:39 PM	01:25:00	6.554 pH	21.16 °C	207.7 µS/cm	1.831 mg/L	64.10 NTU	316.7 mV	13.15 ft	1,100 ml/min
7/29/2025 2:44 PM	01:30:00	6.561 pH	20.93 °C	210.8 µS/cm	1.595 mg/L	24.10 NTU	385.7 mV	12.65 ft	1,100 ml/min
7/29/2025 2:49 PM	01:35:00	6.553 pH	21.19 °C	210.8 µS/cm	2.484 mg/L	23.50 NTU	379.8 mV	12.11 ft	1,100 ml/min
7/29/2025 2:54 PM	01:40:00	6.554 pH	21.65 °C	211.4 µS/cm	2.388 mg/L	40.30 NTU	365.4 mV	11.54 ft	1,100 ml/min
7/29/2025 2:59 PM	01:45:00	6.538 pH	21.83 °C	213.0 µS/cm	2.502 mg/L	58.90 NTU	370.3 mV	10.65 ft	1,100 ml/min
7/29/2025 3:02 PM	01:47:41	6.554 pH	22.50 °C	216.2 µS/cm	2.319 mg/L	60.50 NTU	234.8 mV	10.40 ft	1,100 ml/min
7/29/2025 3:07 PM	01:52:41	6.557 pH	23.19 °C	219.3 µS/cm	2.402 mg/L	61.70 NTU	325.2 mV	9.240 ft	1,100 ml/min
7/29/2025 3:10 PM	01:55:44	6.595 pH	21.98 °C	218.8 µS/cm	2.168 mg/L	1,000 NTU	173.4 mV	9.150 ft	1,100 ml/min
7/29/2025 3:11 PM	01:57:11	6.607 pH	21.84 °C	218.4 µS/cm	2.406 mg/L	1,000 NTU	191.4 mV	9.150 ft	1,100 ml/min
7/29/2025 3:14 PM	01:59:39	6.610 pH	21.83 °C	218.2 µS/cm	2.574 mg/L	1,000 NTU	134.1 mV	9.150 ft	1,100 ml/min
7/29/2025 3:17 PM	02:02:31	6.609 pH	22.19 °C	215.6 µS/cm	2.627 mg/L	1,000 NTU	157.5 mV	9.700 ft	1,100 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 7/29/2025 3:20:35 PM
Project: GP-McDonuogh PT-03 (2)
Operator Name: Terrell Parker

Location Name: PT-03 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 9.51 ft** **Total Depth: 19.51 ft** **Initial Depth to Water: 6.7 ft**	**Pump Type: Reclaimer - Airlift** **Tubing Type: PE** **Pump Intake From TOC: 19.4 ft** **Estimated Total Volume Pumped: 84500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 500 ml/min** **Final Draw Down: 2.98 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1179231**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
7/29/2025 3:20 PM	00:00	6.596 pH	22.00 °C	214.2 µS/cm	2.877 mg/L	707.0 NTU	149.3 mV	9.200 ft	1,100 ml/min
7/29/2025 3:25 PM	05:00	6.584 pH	22.15 °C	212.9 µS/cm	2.933 mg/L	1,000 NTU	320.9 mV	9.150 ft	1,100 ml/min
7/29/2025 3:30 PM	10:00	6.580 pH	21.05 °C	214.3 µS/cm	4.378 mg/L	1,000 NTU	250.9 mV	10.25 ft	1,100 ml/min
7/29/2025 3:35 PM	15:00	6.564 pH	21.43 °C	213.5 µS/cm	4.253 mg/L	1,000 NTU	238.9 mV	10.00 ft	1,100 ml/min
7/29/2025 3:40 PM	20:00	6.519 pH	21.33 °C	214.0 µS/cm	3.785 mg/L	501.0 NTU	319.8 mV	10.00 ft	1,100 ml/min
7/29/2025 3:45 PM	25:00	6.532 pH	21.91 °C	215.8 µS/cm	3.363 mg/L		237.5 mV	10.00 ft	1,100 ml/min
7/29/2025 3:50 PM	30:00	6.582 pH	24.75 °C	215.2 µS/cm	6.155 mg/L		242.5 mV	10.00 ft	1,100 ml/min
7/29/2025 3:55 PM	35:00	6.559 pH	22.07 °C	213.1 µS/cm	2.805 mg/L		300.1 mV	10.00 ft	1,100 ml/min
7/29/2025 4:00 PM	40:00	6.674 pH	21.11 °C	215.1 µS/cm	7.328 mg/L		282.8 mV	10.00 ft	1,100 ml/min
7/29/2025 4:05 PM	45:00	6.544 pH	21.43 °C	214.2 µS/cm	2.850 mg/L	1,000 NTU	323.5 mV	12.70 ft	500.0 ml/min
7/29/2025 4:10 PM	50:00	6.584 pH	21.45 °C	216.6 µS/cm	1.599 mg/L	389.0 NTU	307.3 mV	10.98 ft	500.0 ml/min
7/29/2025 4:15 PM	55:00	6.611 pH	21.23 °C	215.7 µS/cm	1.308 mg/L	140.0 NTU	301.7 mV	10.82 ft	500.0 ml/min
7/29/2025 4:20 PM	01:00:00	6.610 pH	21.64 °C	215.7 µS/cm	1.570 mg/L	160.0 NTU	306.9 mV	10.45 ft	500.0 ml/min
7/29/2025 4:25 PM	01:05:00	6.613 pH	21.57 °C	217.7 µS/cm	1.588 mg/L	73.50 NTU	297.2 mV	10.05 ft	500.0 ml/min
7/29/2025 4:30 PM	01:10:00	6.615 pH	21.98 °C	218.4 µS/cm	1.703 mg/L	81.80 NTU	291.0 mV	9.250 ft	500.0 ml/min

7/29/2025 4:35 PM	01:15:00	6.608 pH	22.15 °C	220.2 µS/cm	2.086 mg/L	49.40 NTU	285.4 mV	9.250 ft	500.0 ml/min
7/29/2025 4:40 PM	01:20:00	6.620 pH	21.78 °C	216.5 µS/cm	2.496 mg/L	67.10 NTU	299.7 mV	9.250 ft	500.0 ml/min
7/29/2025 4:45 PM	01:25:00	6.607 pH	22.33 °C	216.4 µS/cm	2.527 mg/L	41.60 NTU	296.2 mV	9.250 ft	500.0 ml/min
7/29/2025 4:50 PM	01:30:00	6.596 pH	21.88 °C	218.5 µS/cm	2.933 mg/L	31.30 NTU	300.9 mV	9.560 ft	500.0 ml/min
7/29/2025 4:55 PM	01:35:00	6.565 pH	21.65 °C	217.6 µS/cm	2.686 mg/L	32.40 NTU	235.7 mV	9.520 ft	500.0 ml/min
7/29/2025 5:00 PM	01:40:00	6.577 pH	21.29 °C	216.2 µS/cm	2.482 mg/L	20.30 NTU	311.1 mV	9.650 ft	500.0 ml/min
7/29/2025 5:05 PM	01:45:00	6.541 pH	21.79 °C	218.1 µS/cm	2.703 mg/L	13.10 NTU	307.5 mV	9.650 ft	500.0 ml/min
7/29/2025 5:10 PM	01:50:00	6.558 pH	21.72 °C	217.2 µS/cm	2.225 mg/L	10.40 NTU	310.6 mV	9.670 ft	500.0 ml/min
7/29/2025 5:15 PM	01:55:00	6.556 pH	22.15 °C	218.6 µS/cm	2.429 mg/L	6.800 NTU	233.4 mV	9.680 ft	500.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Location Plant McDonough Date 11-26-24

Project / Client GA Power

TMK

W. rain 50-65

6525 Arrive on site
Notify Nick M, Phil S,
ISA - Fill out review
Mob to API

705 Calibration

Turbidity - Hach 2100Q S/N 21010000165

NTU's	STAND.	READS
	20	19.9
	100	99.3
	800	793
	Verify	
	10	9.74 ✓

AQUATROLL 400 INSITU
TROLL # 936480
400 Sensors # 1080307

	STAND	READS	
mS/cm	4490	4415	Sp COND
pH	4.0	4.07	@ 17.22°C
pH	7.0	7.04	@ 17.18°C
pH	10	10.13	@ 17.26°C
ORP	228	222.4	@ 17.28°C mV
DO	100%	100.55% SAT	@ 16.89°C
DO		→ 9.52 mg/L	

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1167960
Created	2/7/2025

Sensor	**RDO**
Serial Number	1170543
Last Calibrated	2/7/2025

Calibration Details

Slope	0.947986
Offset	-0.00 mg/L

Calibration point 100%

Concentration	9.10 mg/L
Temperature	20.99 °C
Barometric Pressure	981.57 mbar

Sensor	**Conductivity**
Serial Number	1167960
Last Calibrated	2/7/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.995
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	1167506
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22820
Last Calibrated	2/7/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	166.0 mV
Temperature	20.91 °C

Calibration Point 2

pH of Buffer	7.02 pH
pH mV	-6.6 mV
Temperature	20.18 °C

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-179.6 mV
Temperature	20.20 °C

Slope and Offset 1

Slope	-57.14 mV/pH
Offset	-5.4 mV

Slope and Offset 2

Slope	-57.1 mV/pH
Offset	-5.4 mV

ORP

ORP Solution	Zobell's
Offset	6.9 mV
Temperature	20.30 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1179231
Created	7/28/2025

Sensor **RDO**

Serial Number	1176421
Last Calibrated	7/28/2025

Calibration Details

Slope	0.95281315
Offset	-0.000 mg/L

Calibration point 100%

Concentration	7.509 mg/L
Temperature	32.17 °C
Barometric Pressure	996.2 mbar

Sensor **Conductivity**

Serial Number	1179231
Last Calibrated	7/28/2025

Calibration Details

Offset	0.000 µS/cm
Cell Constant	1.006
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor **Level**

Serial Number	1177544
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	19823
Last Calibrated	7/28/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.010 pH
pH mV	181.8 mV
Temperature	31.58 °C

Calibration Point 2

pH of Buffer	6.990 pH
pH mV	8.4 mV
Temperature	30.59 °C

Calibration Point 3

pH of Buffer	9.950 pH
pH mV	-162.2 mV
Temperature	29.97 °C

Slope and Offset 1

Slope	-58.2 mV/pH
Offset	7.8 mV

Slope and Offset 2

Slope	-57.62 mV/pH
Offset	7.8 mV

ORP

ORP Solution	Zobell's
Offset	3.8 mV
Temperature	30.13 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1179231
Created	7/29/2025

Sensor	**RDO**
Serial Number	1176421
Last Calibrated	7/29/2025

Calibration Details

Slope	0.94113666
Offset	-0.000 mg/L

Calibration point 100%

Concentration	8.914 mg/L
Temperature	21.88 °C
Barometric Pressure	971.0 mbar

Sensor	**Conductivity**
Serial Number	1179231
Last Calibrated	7/29/2025

Calibration Details

Offset	0.000 µS/cm
Cell Constant	0.998
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	1177544
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	19823
Last Calibrated	7/29/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.000 pH
pH mV	175.4 mV
Temperature	23.72 °C

Calibration Point 2

pH of Buffer	7.000 pH
pH mV	7.8 mV
Temperature	23.60 °C

Calibration Point 3

pH of Buffer	10.00 pH
pH mV	-157.7 mV
Temperature	23.73 °C

Slope and Offset 1

Slope	-55.86 mV/pH
Offset	7.8 mV

Slope and Offset 2

Slope	-55.16 mV/pH
Offset	7.8 mV

ORP

ORP Solution	Zobell's
Offset	0.8 mV
Temperature	23.58 °C

ATTACHMENT C

Certified Well Survey

METRO ENGINEERING & SURVEYING CO., INC.
SURVEYORS - ENGINEERS - PHOTOGRAMMETRISTS
PROVIDING PROFESSIONAL SERVICE SINCE 1967

1469 HIGHWAY 20 WEST • MCDONOUGH, GA 30253
phone: 770-707-0777 fax: 770.707-0755
WWW.METRO-ENGINEERING.COM

SURVEYOR'S REPORT

SCOPE OF WORK:

Field survey of existing Monitoring Wells at Georgia Power Company, Plant McDonough in Smyrna, GA.

Horizontal and vertical datum was derived from RTK GPS observations with corrections received via a cellular modem utilizing the Leica "Smartnet" RTK Network and conventional surveying equipment. Horizontal datum is Georgia State Plane, West Zone, NAD83(2011) and vertical datum is NAVD88.

EQUIPMENT USED TO ESTABLISH THE MONITORING WELL LOCATIONS:

Leica GS18T GPS Receiver
Leica TS16 Total Station
Leica DNA10 Digital Level

CERTIFICATION:

I hereby certify that the center of well casing (PVC) has a horizontal accuracy of 0.5+/- feet or better using a Leica GS18T GPS (survey-grade) global positioning system receiver referencing the Georgia State Plane, West Zone, NAD83(2011) coordinate system in US survey feet. The top of well casing (PVC) elevation data was determined in feet above mean sea level based on the NAVD88 vertical datum. Vertical data was confirmed to be accurate within 0.01 foot through establishment of a closed level check loop with a Leica DNA10 digital level having a published accuracy of 0.9mm per dual-traverse Kilometer.

Field survey was completed on July 22, 2025.





Christopher G. Lea, GA. RLS #3427

Date: July 28, 2025

Plant McDonough
Monitoring Well Locations
July 22, 2025

Well ID	LATITUDE	LONGITUDE	NAIL NORTHING	NAIL EASTING	NAIL ELEV	PVC NORTHING	PVC EASTING	TOP PVC ELEV	ELEV AT BASE (REBAR)
INW-01A	N33.825174	W84.482540	1391593.2	2200656.4	764.42	1391594.0	2200656.2	764.02	764.15
INW-01	N33.825118	W84.482529	1391573.4	2200658.6	764.91	1391573.5	2200659.4	764.72	764.91
DR-01	N33.825185	W84.482541	1391597.7	2200655.1	764.37	1391597.9	2200655.7	764.01	764.28
DR-04	N33.825166	W84.482539	1391591.9	2200656.5	764.43	1391591.1	2200656.4	764.03	764.19
PT-03	N33.825158	W84.482569	1391587.8	2200646.7	763.06	1391588.0	2200647.4	762.78	763.20



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