



Prepared for

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2023 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

PLANT WANSLEY ASH POND 1 (AP-1)

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CERTIFICATION STATEMENT

This 2023 *Semiannual Groundwater Monitoring and Corrective Action Report, Plant Wansley 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 Geosyntec Consultants, 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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August 31, 2023
Date

SUMMARY

This summary of the 2023 *Semiannual Groundwater Monitoring and Corrective Action Report* provides the status of groundwater monitoring and corrective action program for the reporting period of January through July 2023 (referred to herein as the “semiannual reporting period”) at Georgia Power Company’s (Georgia Power’s) Plant Wansley Ash Pond 1 (AP-1) (the Site). This summary was prepared by Geosyntec Consultants, Inc. (Geosyntec) on behalf of Georgia Power to meet the requirements listed in Part A, Section 6¹ of the United States Environmental Protection Agency (USEPA) Coal Combustion Residual Rule (federal CCR Rule) (40 Code of Federal Regulations [CFR] 257 Subpart D).

Plant Wansley is located on approximately 5,200 acres about 12 miles southeast of the City of Carrollton, Georgia. Although the majority of the plant property lies within Heard County, the physical address of and entrance to the plant is 1371 Liberty Church Road, Carrollton, Carroll County, Georgia. AP-1 is a 343-acre surface impoundment located northwest of the plant, which was designed to receive and store CCR materials. AP-1 began receiving process water containing fly ash and bottom ash in 1976. As of April 2019, all process-related flows from the plant to AP-1 have ceased. As part of the 2022 *Integrated Resource Plan*, the Georgia Public Service Commission approved decertification and retirement of the Plant Wansley coal fired units on August 31, 2022. As part of that plan, Georgia Power has elected to close Plant Wansley AP-1 by removal. In March 2023, a permit application for AP-1 closure by removal was submitted to GA EPD for further review.



Plant Wansley and the Site

Groundwater at the Site is monitored using a comprehensive well network that meets federal and state monitoring requirements. Routine sampling and reporting began after the background groundwater conditions were established between May 2016 to September 2017. Based on groundwater conditions at the Site, an assessment monitoring program and assessment of corrective measures (ACM) program were established in

¹ 80 FR 21468, Apr. 17, 2015, as amended at 81 FR 51807, Aug. 5, 2016; 83 FR 36452, July 30, 2018; 85 FR 53561, Aug. 28, 2020

January 2018 and October 2022, respectively. During the semiannual reporting period, the Site remained in assessment monitoring as corrective measures are being evaluated.

During the semiannual reporting period, Geosyntec conducted one groundwater sampling event in February 2023 in support of the assessment monitoring program. Groundwater samples were submitted to Eurofins Environment Testing America (Eurofins) for analysis. Per the federal CCR Rule, groundwater data obtained from the semiannual assessment monitoring event were evaluated in accordance with the certified statistical methods. The evaluation identified statistically significant values of select Appendix III² and Appendix IV³ constituents in excess of established groundwater protection standards (GWPS) in select monitoring wells, as summarized in the table below for the semiannual reporting period.

An Alternate Source Demonstration (ASD)⁴ was submitted that presents multiple lines of evidence that the lithium groundwater concentrations detected at WGWC-19 are not associated with a release from AP-1 but are instead attributed to a natural source of lithium in rock formations at the Site.

Based on the statistical analyses results reported herein, statistically significant levels (SSLs) of Appendix IV constituents were identified for groundwater data collected during the semiannual reporting period that are not addressed by preexisting ASDs. Pursuant to § 257.96, Georgia Power initiated an ACM program on October 27, 2022. An *Assessment of Corrective Measures Report* for AP-1 was submitted to GA EPD on March 24, 2023, per § 257.96. Pursuant to § 257.96(b), Georgia Power will continue to monitor the groundwater at AP-1 in accordance with the assessment monitoring program regulations of § 257.95 during this evaluation period. Reports will be posted to Georgia Power's CCR Rule Compliance website and provided to GA EPD semiannually.

² Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)

³ Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, and radium 226 + 228

⁴ An ASD was submitted in January 2019 (ACC, 2019b). An Addendum to the ASD was submitted in November 2020 (Geosyntec, 2020) and revised in February 2021 (Geosyntec, 2021b).

| Appendix III Constituent | February 2023 |
|--|--|
| Boron | WGWC-8, WGWC-9, WGWC-16, WGWC-20, WGWC-21, WGWC-22, WGWC-24, WGWC-25 |
| Calcium | WGWC-8, WGWC-20, WGWC-21 |
| Chloride | WGWC-8, WGWC-16, WGWC-20, WGWC-21, WGWC-24, WGWC-25 |
| Fluoride | WGWC-9, WGWC-15, WGWC-19, WGWC-20, WGWC-21, WGWC-22, WGWC-24 |
| pH | WGWC-24 |
| Sulfate | WGWC-8, WGWC-9, WGWC-16, WGWC-20, WGWC-21, WGWC-22, WGWC-24, WGWC-25 |
| Total Dissolved Solids | WGWC-8, WGWC-20, WGWC-21, WGWC-22, WGWC-24, WGWC-25 |
| Appendix IV Constituent⁵ | February 2023 |
| Beryllium | WGWC-20, WGWC-24 |
| Cobalt | WGWC-24 |
| Lithium | WGWC-19, WGWC-20 |

⁵ A statistically significant level (SSL)-related constituent is determined by comparing the confidence intervals developed to either the constituent's MCL, if available; where an MCL has not been established, then a CCR-rule specific GWPS; or background concentrations for constituents where the concentration is greater than the MCL or rule-specified GWPS.

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LIST OF ACRONYMS AND ABBREVIATIONS

| | |
|---------------|---|
| ACC | Atlantic Coast Consulting, Inc. |
| ACM | Assessment of Corrective Measures |
| AP-1 | Ash Pond 1 |
| ASD | Alternate Source Demonstration |
| CCR | coal combustion residuals |
| CFR | Code of Federal Regulations |
| cm/sec | centimeters per second |
| CSM | conceptual site model |
| DO | dissolved oxygen |
| ERM | Environmental Resources Management |
| EDR | Environmental Data Resources |
| Eurofins | Eurofins Environment Testing America |
| ft bgs | feet below ground surface |
| ft/day | feet per day |
| ft/ft | feet per foot |
| GA EPD | Georgia Environmental Protection Division |
| Georgia Power | Georgia Power Company |
| Geosyntec | Geosyntec Consultants, Inc. |
| GSC | Groundwater Stats Consulting |
| GWPS | Groundwater Protection Standard |
| HAR | Hydrogeologic Assessment Report |
| i | horizontal hydraulic gradient |
| K_h | horizontal hydraulic conductivity |
| MCL | Maximum Contaminant Level |
| mg/L | milligram per liter |
| n_e | effective porosity |
| NELAP | National Environmental Laboratory Accreditation Program |
| NTU | nephelometric turbidity units |
| ORP | oxidation-reduction potential |
| PE | Professional Engineer |
| PL | prediction limit |
| PWR | partially weathered rock |
| QA/QC | Quality Assurance/Quality Control |
| SSI | statistically significant increase |
| SSL | statistically significant level |
| s.u. | standard unit |
| TDS | total dissolved solids |

Unified Guidance Statistical Analysis of Groundwater Data at RCRA Facilities Unified
Guidance
USEPA United States Environmental Protection Agency

1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (USEPA) Coal Combustion Residual Rule (federal CCR Rule) (40 Code of Federal Regulations [CFR] Part 257, Subpart D) and the Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10, Geosyntec Consultants, Inc. (Geosyntec) has prepared this *2023 Semiannual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities conducted at Georgia Power Company (Georgia Power) Plant Wansley (Site) Ash Pond 1 (AP-1) for the reporting period of January through July 2023 (referred to herein as the “semiannual reporting period”).

Groundwater monitoring and reporting for the CCR unit is performed in accordance with the monitoring requirements of § 257.90 through § 257.95 of the federal CCR Rule, and GA EPD Rules for Solid Waste Management 391-3-4-.10(6). To specify groundwater monitoring requirements, GA EPD rule 391-3-4-.10(6)(a) incorporates by reference the federal CCR Rule. For ease of reference, the federal CCR Rule is cited within this report in lieu of citing both sets of regulations.

Due to statistically significant levels (SSLs) of beryllium and lithium identified in the *2022 Semiannual Groundwater Monitoring and Corrective Action Report* (Geosyntec, 2022), Georgia Power initiated an assessment of corrective measures (ACM) program for AP-1 in October 2022, within 90 days of SSL notification in accordance with § 257.96. Pursuant to § 257.96(b), Georgia Power continues to monitor groundwater associated with AP-1 in accordance with the assessment monitoring program established for AP-1 in 2018, including semiannual monitoring and reporting pursuant to § 257.90 through § 257.95 of the federal CCR Rule and GA EPD Rules for Solid Waste Management 391-3-4-.10(6)(a).

During this semiannual reporting period, new SSLs of Appendix IV constituents beryllium and cobalt have been identified in WGWC-24. These SSLs will be incorporated into the semiannual groundwater monitoring and corrective action reports along with the semiannual remedy selection and design progress reports.

1.1 Site Description and Background

Plant Wansley is located on approximately 5,200 acres about 12 miles southeast of the City of Carrollton, Georgia. Although the majority of the plant property lies within Heard County, the physical address of and entrance to the plant is 1371 Liberty Church Road, Carrollton, Carroll County, Georgia. The plant property is bounded on the east and

southeast by the Chattahoochee River, and sparsely populated, forested, rural, and agricultural land to the north, south, and west. AP-1 is a 343-acre surface impoundment located northwest of the plant (**Figure 1**), which was designed to receive and store CCR materials. AP-1 began receiving process water containing fly ash and bottom ash in 1976. As of April 2019, all process-related flows from the plant to AP-1 have ceased. As part of the 2022 *Integrated Resource Plan*, the Georgia Public Service Commission approved decommissioning of the Plant Wansley coal fired units on August 31, 2022. As part of that plan, Georgia Power has elected to close Plant Wansley AP-1 by removal. In March 2023, a permit application for AP-1 closure by removal was submitted to GA EPD for further review.

1.2 Regional Geology and Hydrogeologic Setting

The following section summarizes the geologic and hydrogeologic conditions at AP-1 as described in the *Hydrogeologic Assessment Report Revision 03 – Plant Wansley* (HAR Rev 03) (Geosyntec, 2023b) submitted to GA EPD in support of the closure permit application.

1.2.1 Regional and Site Geology

Plant Wansley is located within the Piedmont Physiographic Province (Piedmont) of western Georgia, which is characterized by gently rolling hills with locally pronounced low, linear ridges, trending northeast-southwest, and separated by valleys. Over geologic time, the Piedmont has been subjected to multiple events of uplift, folding and faulting, alternation, and erosion.

The Piedmont Province is generally underlain by a variably thick blanket of overburden, which is comprised of residual and saprolitic soils derived from the in-place weathering of bedrock. Near the ground surface, soils are generally silt- and clay-rich, with fine-sand and sand becoming more prominent with depth. With increasing depth, the weathered materials tend to retain details of the structural features of the underlying bedrock. Occasional deposits of alluvium are present in valleys and drainage features. A mantle of partially weathered rock (PWR) and the upper fractured surface of the bedrock in the Piedmont comprises a zone often referred to as the “transition zone.”

Bedrock in the Piedmont is predominately composed of metamorphic rock of Precambrian to Paleozoic age. The Site is underlain by several bedrock types consisting of graphitic schist, muscovite schist, biotite schist, schist with interlayered mafic units, amphibolite/hornblende gneiss, granitic gneiss, and feldspathic quartzite as identified in boring logs. Saprolitic soils were described at variable thickness across the Site but were

generally encountered at or near ground surface. As is characteristic of this province, the Site has two pronounced ridges, one on the northwest side of AP-1 and one on the southeast side of AP-1, as well as smaller rolling hills along the western property boundary.

1.2.2 Hydrogeologic Setting

While the aquifer characteristics of each lithologic unit may vary, the groundwater is interconnected between these units, and they effectively act as one, unconfined aquifer. The uppermost aquifer at AP-1 occurs primarily in PWR and fractured bedrock. According to previous site investigations, the potentiometric surface is a subdued reflection of the topography. The top of bedrock surface also generally follows topography and likely controls groundwater flow direction in the uppermost aquifer. Because of the steep topography at the Site and variable lithologic framework, the depth to the water table is variable, ranging from approximately 1 to 50 feet below ground surface (ft bgs). The regional groundwater flow direction is expected to be to the southeast; however, in topographically high areas south of AP-1, shallower water table elevations are noted within the saprolite and PWR, and hydraulic gradients indicate localized flow northward (or inward) toward the pond.

Groundwater in the saprolite and PWR is hydraulically connected to the bedrock via fractures and deeply weathered areas of the rock. Recharge is by precipitation infiltrating through the saprolite to the bedrock. Based on observations of soil types and horizontal conductivity values, the movement of groundwater in the saprolite is very slow and likely acts as flow through a low-permeability porous media. Groundwater flow in the PWR and the transition zone between the PWR and the fractured bedrock is expected to be greater than in the overlying saprolite and the underlying fractured bedrock. Groundwater flow in the bedrock is restricted entirely to flow through fractures. Visual observations and geophysical logging during field investigations indicate a trend of decreasing fracture aperture and density with depth, consistent with regional geologic trends.

1.3 Groundwater Monitoring Well Network

In accordance with § 257.91, a groundwater monitoring system was installed at AP-1 that consists of a sufficient number of wells installed at appropriate locations and depths to yield groundwater samples from the uppermost aquifer to represent the groundwater quality both upgradient of AP-1 (i.e., background conditions) and passing the waste boundary of AP-1. The number, spacing, and depths of the groundwater monitoring wells were selected based on the characterization of site-specific hydrogeologic conditions.

As part of the assessment monitoring program, assessment monitoring wells were installed in September 2022 to characterize the nature and extent of beryllium and lithium in groundwater downgradient of AP-1. Pursuant to § 257.95(g)(1)(iv), the wells classified as “assessment monitoring wells” will continue to be sampled concurrently with the detection monitoring well network as part of the ongoing assessment groundwater monitoring program.

An on-site network of piezometers is used in combination with the detection and assessment monitoring well networks to gauge groundwater levels to define groundwater flow direction and gradients. The piezometers may be sampled as needed to support the ACM program.

The locations of the detection monitoring wells, assessment monitoring wells, and piezometers are shown on **Figure 2**; well and piezometer construction details are listed in **Table 1**.

2.0 GROUNDWATER MONITORING ACTIVITIES

In accordance with § 257.90(e), the following describes monitoring-related activities performed during the semiannual reporting period and discusses any changes in status of the monitoring program. Groundwater sampling was performed in accordance with § 257.93.

2.1 Monitoring Well Installation and Maintenance

No additional assessment monitoring wells or piezometers were installed during this reporting period.

The well and piezometer networks are inspected semiannually to evaluate 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)). In February 2023, the networks were inspected, necessary corrective actions were identified and subsequently completed, as documented in **Appendix A**. This documentation was prepared under the direction of a professional geologist or engineer registered in the State of Georgia.

2.2 Assessment Monitoring

Georgia Power initiated an assessment monitoring program for groundwater at AP-1 in January 2018. Statistical analyses of the 2018 assessment monitoring data identified an SSL of lithium in detection monitoring wells WGWC-8, WGWC-9, WGWC-10, and WGWC-19 in excess of the associated federal and/or state GWPS. Statistical analyses of groundwater data obtained since March 2021 has identified SSLs of beryllium in WGWC-20 and WGWC-24, cobalt in WGWC-24, and lithium in WGWC-20. On February 20, 2022, GA EPD adopted the federal GWPS for cobalt, lead, lithium, and molybdenum (detailed in Section 4.1.2).

In accordance with § 257.95(g)(3), Georgia Power prepared an ASD for lithium (ACC, 2019b), which was included in the *2018 Annual Groundwater Monitoring and Corrective Action Report* (ACC, 2019a). The ASD presented evidence that the source of lithium in groundwater at wells WGWC-8, WGWC-9, WGWC-10, and WGWC-19 was naturally-derived from the subsurface rock formations and did not originate from the unit. An ASD Addendum was submitted to GA EPD in November 2020 (Geosyntec, 2020), with a revised ASD Addendum subsequently submitted to GA EPD in February 2021 (Geosyntec, 2021b). The ASD Addendum presents supplemental data collected since submittal of the 2019 ASD, which provide additional lines of evidence to demonstrate that the SSLs of lithium identified at AP-1 are associated with naturally occurring lithium

within rock formations at the Site. The 2019 ASD and 2021 ASD Addendum are under review by GA EPD.

Pursuant to § 257.96, an ACM program was initiated for AP-1 in October 2022. An *Assessment of Corrective Measures Report* (ACM Report for AP-1) was submitted to GA EPD on March 24, 2023 (Geosyntec, 2023a). In accordance with § 257.96(b), groundwater continues to be monitored at AP-1 under the assessment monitoring program while the ACM phase is implemented.

In support of the routine assessment monitoring program, the first 2023 semiannual assessment monitoring event was conducted in February 2023. The wells sampled and the dates the samples were collected at AP-1 during the semiannual reporting period are summarized in **Table 2**. Details of the events and analytical results are discussed in Section 3.

2.3 Additional Groundwater and Surface Water Sampling

Supplemental groundwater samples were collected from the detection monitoring well network and interstitial piezometers (PZ-A2S, PZ-A2M, and PZ-A2D) during the February 2023 assessment monitoring event and were analyzed for major cations (calcium, magnesium, potassium, and sodium), major anions (chloride, sulfate, and alkalinity [i.e., bicarbonate, carbonate, total]), iron, manganese, and sulfide. In addition, groundwater samples collected from interstitial wells were analyzed for Appendix III parameters. These data were collected in support of evaluating the geochemical composition of the groundwater and interstitial water will be discussed as part of the ACM program. The laboratory reports associated with the data are provided in **Appendix B**.

In support of risk evaluation efforts, Georgia Power collected surface water samples from the Chattahoochee River at locations upstream and downstream of AP-1 in May 2023. The field sampling forms and laboratory report associated with the surface water sampling are provided in **Appendix B**.

3.0 SAMPLING METHODOLOGY AND ANALYSES

The following section presents a summary of the field sampling procedures that were implemented, and the groundwater sampling results that were obtained in connection with the assessment monitoring program conducted at AP-1 during the semiannual reporting period.

3.1 Groundwater Level Measurement

A synoptic round of depth-to-groundwater-level measurements were recorded from the AP-1 wells and piezometers during the February 2023 assessment monitoring event and used to calculate the corresponding groundwater elevations, which are presented in **Table 3**. The February 2023 elevations reported are generally representative of the groundwater elevations reported for prior monitoring events.

The groundwater elevation data were used to prepare a potentiometric surface map for the February 2023 event, which is presented on **Figure 3**. Groundwater in the AP-1 area flows under the influence of topography and generally flows inward towards AP-1 with a minor component of flow from AP-1 in a localized area near the eastern corner of AP-1. This groundwater flow pattern is consistent with previous observations.

3.2 Groundwater Gradient and Flow Velocity

The horizontal groundwater hydraulic gradients within the uppermost aquifer at AP-1 were calculated using the groundwater elevation data from the February 2023 gauging event. Hydraulic gradients were calculated along the flow paths between PZ-01 and WGWC-17 and between PZ-10 and WGWC-19. The supporting calculations are presented in **Table 4**; the locations of the flow paths used in the calculations and associated potentiometric contour lines are shown on **Figure 3**. The calculated hydraulic gradient between PZ-01 and WGWC-17 is 0.081 feet per foot (ft/ft); the hydraulic gradient between PZ-10 and WGWC-19 is 0.100 ft/ft.

The approximate horizontal flow velocities associated with AP-1 were calculated using the following derivative of Darcy's Law. The calculations are presented in **Table 4**.

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

where:

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

K_h = Horizontal hydraulic conductivity $\left(\frac{\text{feet}}{\text{day}}\right)$

i = Horizontal hydraulic gradient $\left(\frac{\text{feet}}{\text{foot}}\right) = \frac{h_1 - h_2}{L}$

h_1 and h_2 = Groundwater elevation at location 1 and 2

L = Distance between location 1 and 2

n_e = Effective porosity

The average horizontal hydraulic conductivity (K_h) for AP-1 of 9.5×10^{-5} centimeters per second (cm/sec) (0.27 feet per day [ft/day]) was computed from previous slug test data obtained from testing of wells at AP-1 (Geosyntec, 2023b). An estimated effective porosity of 0.25 is used to represent average conditions at AP-1, derived based on review of literature (Driscoll, 1986; Freeze and Cherry, 1979), observed site lithology, and professional judgement. With these variables defined, and accounting for the hydraulic gradients discussed above for the February 2023 gauging event, the calculated groundwater flow velocity for the semiannual reporting period was approximately 0.087 ft/day (PZ-01 to WGWC-17) and 0.108 ft/day (PZ-10 to WGWC-19), for an average groundwater flow velocity in the vicinity of AP-1 of 0.098 ft/day, or approximately 36 ft/year. The observed groundwater flow velocities are generally consistent with historical observations.

3.3 Groundwater Sampling Procedures

Groundwater samples were collected using low-flow sampling procedures in accordance with § 257.93(a). Purging and sampling was performed using dedicated bladder pumps with dedicated tubing, non-dedicated bladder pumps, and peristaltic pumps. For wells sampled with non-dedicated bladder pumps and peristaltic pumps, the pump intake was lowered to the midpoint of the well screen (or as appropriate based on the groundwater level). Non-dedicated bladder pump and peristaltic pump samples were collected using new disposable polyethylene tubing; all non-dedicated tubing was disposed of following the sampling event. All non-disposable equipment was decontaminated before use and between well locations.

An in-situ water quality field meter (SmarTroll, Aqua TROLL, or similar) was used to monitor and record field water quality parameters [i.e., pH, conductivity, dissolved oxygen (DO), temperature, and oxidation reduction potential (ORP)] during well purging to verify stabilization prior to sampling. Turbidity was measured using a LaMotte 2100Q

(or similar) portable turbidimeter. Groundwater samples were collected when the following stabilization criteria were met:

- pH \pm 0.1 standard units (s.u.)
- Conductivity \pm 5 %
- \pm 0.2 milligrams per liter (mg/L) or \pm 10% (whichever is greater) for DO > 0.5 mg/L. No criterion applies if DO < 0.5 mg/L, record only.
- Turbidity measured less than 5 nephelometric turbidity units (NTU) or measured between 5 and 10 NTU following three hours of purging.

Following purging, and once stabilization was achieved, unfiltered samples were collected into appropriately preserved laboratory-supplied sample containers. Sample bottles were placed in ice-packed coolers and submitted to Eurofins Environment Testing America (Eurofins) in Pittsburgh, Pennsylvania, following chain-of-custody protocol. The field sampling and equipment calibration forms generated during the 2023 semiannual reporting period are provided in **Appendix B**.

3.4 Laboratory Analyses

Laboratory analyses were performed by Eurofins, which is accredited by the National Environmental Laboratory Accreditation Program (NELAP). Eurofins maintains a NELAP certification for the Appendix III and Appendix IV constituents and the geochemical parameters analyzed for this project. Analytical methods used for groundwater sample analyses, and associated results, are listed in the analytical laboratory reports included in **Appendix B**. The groundwater analytical results from the semiannual reporting period are summarized in **Table 5**.

3.5 Quality Assurance and Quality Control Summary

Quality assurance/quality control (QA/QC) samples were collected during the groundwater monitoring events at the minimum rate of one set of QA/QC samples per 10 groundwater samples. One set of QA/QC samples included the following: field duplicate, equipment blank (where non-dedicated sampling equipment was used), and field blank samples. QA/QC samples were collected in appropriately preserved laboratory-supplied sample containers and submitted under the same chain of custody as the primary samples for analysis of the same constituents by Eurofins.

In addition to collecting QA/QC samples, the data were validated based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and applicable federal guidance documents (USEPA, 2011; USEPA, 2017). Where necessary, the data were qualified with supporting documentation and justifications. The data are considered usable for meeting project objectives, and the results are considered valid. The associated data validation reports are provided in **Appendix B** with the laboratory reports.

4.0 STATISTICAL ANALYSIS

The following section summarizes the statistical analysis of Appendix III groundwater monitoring data performed pursuant to § 257.93. In addition, pursuant to § 257.95(d)(2), Georgia Power established GWPS for the Appendix IV constituents and completed statistical analyses of the Appendix IV groundwater monitoring data obtained during the semiannual reporting period. The data were analyzed by Groundwater Stats Consulting (GSC); the report generated from the analyses are provided in **Appendix C**.

4.1 Statistical Methods

Groundwater data from the semiannual reporting period were statistically analyzed in accordance with the Professional Engineer-certified (PE-certified) Statistical Analysis Method Certification (October 2017, revised January 2020) (ERM, 2017; ACC, 2020). The Sanitas groundwater statistical software was used to perform the statistical analyses. Sanitas is a decision-support software package, that incorporates the statistical tests required of Subtitle C and D facilities by USEPA regulations and guidance as recommended in the USEPA document *Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance* (Unified Guidance) (USEPA, 2009).

Appendix III statistical analysis was performed to assess if Appendix III constituents have returned to background levels. Appendix IV constituents were evaluated to assess if concentrations statistically exceeded the established GWPS. Detailed statistical methods used for Appendix III and Appendix IV constituents are discussed in the statistical analysis report provided in **Appendix C** and summarized in Sections 4.1.1 and 4.1.2. The GWPS were finalized pursuant to § 257.95(d)(2) and presented in **Table 6**.

4.1.1 Appendix III Statistical Methods

Based on guidance from GA EPD, statistical tests used to evaluate the groundwater monitoring data consist of interwell prediction limits (PL) combined with a 1-of-2 verification resample plan for each of the Appendix III constituents. Interwell PLs pool upgradient well data to establish a background limit for an individual constituent, and the most recent sample from each downgradient well is compared to the background limit for each constituent to assess whether there are SSIs. An "initial exceedance" occurs when an Appendix III constituent reported in the groundwater of a downgradient detection monitoring well exceeds the constituent's associated PL. The 1-of-2 resample plan allows for collection of an independent resample. A confirmed exceedance is noted only when the resample confirms the initial exceedance by also exceeding the statistical limit. If the resample falls within its respective PL, no exceedance is declared.

4.1.2 Appendix IV Statistical Methods

To statistically compare groundwater data to GWPS, confidence intervals are constructed for each of the detected Appendix IV constituents in each downgradient detection monitoring well with a data set consisting of a minimum of four samples. In accordance with Section 21.1.1 of the Unified Guidance (USEPA, 2009), four independent data are the minimum population size recommended to construct confidence intervals required to assess SSLs of Appendix IV constituents. Due to previous non-routine sampling, some Appendix IV constituents at a well location have differing number of analytical data points.

The confidence intervals are compared to the GWPS. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its GWPS. If a confidence interval exceeds a GWPS, an SSL exceedance is identified.

USEPA revised the federal CCR Rule on July 30, 2018, updating GWPS for cobalt, lead, lithium, and molybdenum. As described in § 257.95(h)(1-3), the GWPS is defined by the below criteria. These criteria were adopted into the GA EPD Rules for Solid Waste Management 391-3-4-.10 on February 22, 2022.

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

Following the above requirements, GWPS have been established for statistical comparison of Appendix IV constituents and are presented in **Table 6**.

4.2 Statistical Analyses Results

Based on review of the Appendix III statistical analysis discussion presented in **Appendix C**, groundwater conditions have not returned to background levels and assessment

monitoring should continue. Based on the statistical analyses of Appendix IV constituents, the following constituent(s) exceeded the GWPS during the semiannual reporting period:

4.2.1 February 2023 Data

- Beryllium: WGWC-20 and WGWC-24
- Cobalt: WGWC-24
- Lithium: WGWC-19 and WGWC-20

Wells with SSLs were further evaluated using the Sen's Slope/Mann Kendall trend test (**Appendix C**). No statistically significant trends were identified for beryllium, cobalt, or lithium.

4.2.2 Summary of Statistical Analyses

The SSLs identified for the semiannual reporting period are generally consistent with the 2022 annual reporting period, with the following exceptions:

- SSLs of beryllium and cobalt in WGWC-24 were first identified during this reporting period following collection of a sufficient number of groundwater samples (minimum of four independent samples) from WGWC-24 to complete statistical analysis of the data.

The lithium SSL in WGWC-19 is addressed with the ASD and the ASD Addendums previously submitted to GA EPD (ACC, 2019b; Geosyntec, 2020; Geosyntec, 2021b), as explained in Section 5 below.

5.0 NATURE AND EXTENT

Based on the groundwater data presented herein, beryllium and lithium SSLs in WGWC-20 have been horizontally delineated by WGWC-27 to below the established GWPS (0.004 mg/L and 0.040 mg/L, respectively) and are contained within the property boundary. Vertical delineation of lithium and beryllium in WGWC-20 is currently under evaluation. Initial review of the groundwater flow direction in the vicinity of WGWC-24 indicates groundwater is flowing inward to AP-1, suggesting delineation is complete for beryllium and cobalt in WGWC-24. Georgia Power will continue to monitor the assessment monitoring wells and adaptively manage the Site as new data become available.

5.1 Alternate Source Demonstration

In accordance with § 257.95(g)(3), Georgia Power prepared an ASD for lithium (ACC, 2019b), which was included in the *2018 Annual Groundwater Monitoring and Corrective Action Report* (ACC, 2019a). The ASD presented evidence that the source of lithium in groundwater at WGWC-19⁶ was naturally-derived from the subsurface rock formations and did not originate from the unit.

An ASD Addendum was submitted to GA EPD under separate cover in November 2020 (Geosyntec, 2020) and was provided in the *2020 Annual Groundwater Monitoring and Corrective Action Report* (Geosyntec, 2021a). A revised ASD Addendum was submitted to GA EPD under separate cover in February 2021 (Geosyntec, 2021b). The ASD Addendums present supplemental data collected since submittal of the 2019 ASD, which provide additional lines of evidence to demonstrate that the SSL of lithium identified at WGWC-19 is associated with naturally occurring lithium within rock formations at the Site.

⁶ SSLs of lithium in excess of the prior state GWPS (0.009 mg/L) were previously identified in WGWC-8, WGWC-9, and WGWC-10 and detailed in the submitted ASD and ASD Addendums (ACC, 2019a; Geosyntec, 2020; Geosyntec, 2021b). However, all previously identified SSLs in these three wells have at all times complied with the current GWPS (0.040 mg/L), as established by GA EPD on February 22, 2022.

6.0 MONITORING PROGRAM STATUS

6.1 Assessment Monitoring Status

Pursuant to § 257.96(b), Georgia Power will continue to monitor the groundwater at AP-1 in accordance with the assessment monitoring program regulations of § 257.95 while ACM efforts are implemented to address SSLs of beryllium, cobalt, and lithium in select AP-1 wells. Pursuant to § 257.95(g)(1)(iv), assessment monitoring wells installed in support of the ACM program will be sampled as part of the ongoing assessment groundwater monitoring program.

6.2 Assessment of Corrective Measures

An ACM program was initiated in October 2022. Georgia Power submitted the ACM Report (Geosyntec, 2023a) for AP-1 to GA EPD on March 24, 2023.

In accordance with § 257.97(a), remedy selection progress reports will be prepared and submitted concurrent with semiannual groundwater monitoring reports to document results associated with additional data collection, and present progress toward selection and design of a groundwater remedy beginning in January 2024. The following ACM efforts completed during the reporting period will be summarized:

- (i) The current conceptual site model (CSM).
- (ii) Summary of work completed to date to achieve delineation of constituents exceeding GWPS and a summary of data collected to date to support remedy selection.
- (iii) The status of evaluating applicable corrective measures at the site, planned activities, and anticipated schedule for the following semi-annual reporting period.

Iso-concentration maps for beryllium and lithium in well WGWC-20 are presented in **Figures 4** and **5**, respectively. The maps show that beryllium and lithium are laterally delineated within close proximity to detection monitoring well WGWC-20. An iso-concentration map for beryllium and cobalt will be included with the next groundwater monitoring and corrective action report as Georgia Power evaluates the concentrations of beryllium and cobalt in WGWC-24. However due to an inward groundwater flow gradient towards AP-1 in this location, delineation of these constituents would be considered complete. From review of the statistical evaluation of the February 2023 groundwater sampling data, the beryllium and lithium concentration trends in WGWC-

20 are generally stable and do not indicate statistically significant trends (**Figure 6**). Ongoing geochemical investigations will assess the upgradient and downgradient geochemical conditions that could contribute to the mobilization of the SSL constituents at AP-1.

In addition to the assessment monitoring program at the Site, Georgia Power conducted a human health and ecological risk evaluation to evaluate beryllium and lithium that are present at SSLs in groundwater at AP-1. The evaluation provides one of many lines of evidence that will be evaluated and factored into the remedy selection process, which will be completed in accordance with § 257.97. Based on this risk evaluation, concentrations of beryllium and lithium detected in groundwater at AP-1 are not expected to pose a risk to human health or the environment. The risk evaluation will be updated by Georgia Power to include evaluation of cobalt and beryllium in WGWC-24 as part of the Remedy Selection Report.

7.0 CONCLUSIONS AND FUTURE ACTIONS

This 2023 *Semiannual Groundwater Monitoring and Corrective Action Report* for Plant Wansley AP-1 was prepared to fulfill the requirements of the federal CCR Rule and GA EPD Rules for Solid Waste Management 391-3-4-.10. Statistical analyses of the groundwater monitoring data for the AP-1 well network confirmed the continued presence of SSLs of beryllium and lithium in WGWC-20 and lithium in WGWC-19 above the corresponding GWPS. In addition, SSLs of beryllium and cobalt were identified in WGWC-24 above the corresponding GWPS.

The 2018 ASD and 2021 ASD Addendum present multiple lines of evidence that illustrate that lithium SSLs in groundwater at WGWC-19 are associated with naturally occurring lithium within rock formations at the Site and are not originating from AP-1. Based on the most current data from this reporting period, as described in Section 5, the SSLs of beryllium and lithium in WGWC-20 are horizontally delineated downgradient to below the GWPS. Evaluation of the vertical delineation of lithium and beryllium in WGWC-20 is ongoing. Initial review of the groundwater flow direction in the vicinity of WGWC-24 indicates groundwater is flowing inward to AP-1, suggesting delineation is complete for beryllium and cobalt in WGWC-24. Georgia Power will continue to monitor the assessment monitoring wells and adaptively manage the Site as new data become available.

In accordance with GA EPD Rule 391-3-4-.10(6) and § 257.96, Georgia Power initiated an ACM program for the Site on October 27, 2022. Georgia Power will continue to monitor AP-1 groundwater under the assessment monitoring program as aspects of the ACM program are implemented to address the Appendix IV SSLs. The next routine semiannual assessment monitoring event is scheduled for February 2023.

8.0 REFERENCES

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TABLES

Table 1
Monitoring Well Network Summary
Plant Wansley AP-1, Heard and Carroll Counties, Georgia

| Well ID | Hydraulic Location / Purpose | Installation Date | Northing ⁽¹⁾ | Easting ⁽¹⁾ | Ground Surface Elevation ^(1,2) (ft) | Top of Casing Elevation ⁽¹⁾ (ft) | Top of Screen Elevation ⁽¹⁾ (ft) | Bottom of Screen Elevation ⁽¹⁾ (ft) | Well Depth (ft BTOC) ⁽³⁾ | Screen Interval Length (ft) |
|-----------------------------------|------------------------------|-------------------|-------------------------|------------------------|--|---|---|--|-------------------------------------|-----------------------------|
| Detection Monitoring Well | | | | | | | | | | |
| WGWA-1 | Upgradient | 10/21/2015 | 1250656.10 | 2035580.71 | 780.37 | 782.93 | 663.37 | 653.37 | 129.56 | 10 |
| WGWA-2 | Upgradient | 10/16/2015 | 1251556.40 | 2035590.11 | 755.77 | 758.23 | 665.77 | 655.77 | 102.46 | 10 |
| WGWA-3 | Upgradient | 12/15/2014 | 1240848.21 | 2022350.10 | 826.63 | 828.91 | 820.23 | 810.23 | 18.68 | 10 |
| WGWA-4 | Upgradient | 01/13/2015 | 1240879.58 | 2022339.66 | 831.33 | 834.34 | 780.43 | 760.43 | 74.31 | 20 |
| WGWA-5 | Upgradient | 12/23/2014 | 1241997.94 | 2022368.85 | 899.28 | 902.15 | 888.88 | 878.88 | 23.66 | 10 |
| WGWA-6 | Upgradient | 01/13/2015 | 1241932.02 | 2022360.58 | 894.62 | 897.13 | 822.62 | 792.62 | 104.91 | 30 |
| WGWA-7 | Upgradient | 12/22/2014 | 1243338.63 | 2023843.81 | 894.49 | 897.33 | 867.69 | 857.69 | 40.04 | 10 |
| WGWA-18 | Upgradient | 12/16/2014 | 1244592.56 | 2025580.71 | 875.47 | 878.02 | 848.47 | 838.47 | 39.95 | 10 |
| WGWC-8 | Downgradient | 10/29/2015 | 1242929.40 | 2029644.58 | 777.70 | 780.08 | 730.70 | 720.70 | 59.38 | 10 |
| WGWC-9 | Downgradient | 12/4/2014 | 1242801.12 | 2029115.75 | 809.33 | 812.03 | 760.93 | 750.93 | 61.50 | 10 |
| WGWC-10 | Downgradient | 10/27/2015 | 1240971.96 | 2026725.61 | 809.61 | 812.38 | 673.61 | 663.61 | 148.77 | 10 |
| WGWC-11 | Downgradient | 12/8/2014 | 1240860.18 | 2025773.39 | 821.44 | 823.96 | 783.14 | 773.14 | 51.22 | 10 |
| WGWC-12 | Downgradient | 10/22/2015 | 1240827.68 | 2025755.99 | 820.57 | 823.04 | 756.57 | 746.57 | 76.47 | 10 |
| WGWC-13 | Downgradient | 11/4/2015 | 1240610.93 | 2024585.91 | 807.32 | 809.78 | 734.32 | 714.32 | 95.46 | 20 |
| WGWC-14A | Downgradient | 01/31/2017 | 1240604.54 | 2024599.63 | 808.20 | 810.94 | 778.20 | 768.20 | 42.74 | 10 |
| WGWC-15 | Downgradient | 11/11/2015 | 1240483.16 | 2023912.92 | 802.03 | 804.69 | 758.53 | 748.53 | 56.16 | 10 |
| WGWC-16 | Downgradient | 11/11/2015 | 1240480.46 | 2023903.77 | 801.72 | 804.21 | 779.72 | 769.72 | 34.50 | 10 |
| WGWC-17 | Downgradient | 11/06/2015 | 1240052.06 | 2022623.82 | 813.36 | 816.00 | 730.36 | 720.36 | 95.94 | 10 |
| WGWC-19 | Downgradient | 10/28/2015 | 1241851.51 | 2028949.19 | 780.60 | 783.42 | 698.60 | 688.60 | 94.82 | 10 |
| WGWC-20 | Downgradient | 09/29/2020 | 1243350.76 | 2029769.43 | 804.88 | 807.95 | 775.18 | 765.18 | 43.17 | 10 |
| WGWC-21 | Downgradient | 10/02/2020 | 1242139.33 | 2028512.65 | 831.79 | 834.41 | 773.11 | 763.11 | 71.70 | 10 |
| WGWC-22 | Downgradient | 10/18/2020 | 1241695.25 | 2028116.05 | 807.00 | 810.37 | 776.92 | 766.92 | 43.85 | 10 |
| WGWC-23 | Downgradient | 10/04/2020 | 1240769.79 | 2027414.58 | 820.50 | 823.80 | 780.40 | 770.40 | 53.80 | 10 |
| WGWC-24 | Downgradient | 10/17/2020 | 1239916.68 | 2024139.82 | 802.22 | 804.80 | 774.43 | 764.43 | 40.77 | 10 |
| WGWC-25 | Downgradient | 10/28/2020 | 1240184.18 | 2023616.69 | 805.98 | 808.98 | 779.51 | 769.51 | 39.87 | 10 |
| Piezometer | | | | | | | | | | |
| PZ-01 | Piezometer | 12/12/2014 | 1240249.86 | 2022319.93 | 853.91 | 856.72 | 817.81 | 807.81 | 49.31 | 10 |
| PZ-04 | Piezometer | 12/22/2014 | 1242592.03 | 2023595.91 | 886.13 | 889.01 | 878.93 | 868.93 | 20.48 | 10 |
| PZ-06 | Piezometer | 12/17/2014 | 1244382.89 | 2024661.39 | 912.30 | 915.15 | 898.60 | 888.60 | 26.95 | 10 |
| PZ-08 | Piezometer | 12/15/2014 | 1245514.59 | 2026807.30 | 864.65 | 867.29 | 836.85 | 826.85 | 40.84 | 10 |
| PZ-10 | Piezometer | 12/05/2014 | 1242058.41 | 2028554.29 | 829.26 | 832.02 | 810.46 | 800.46 | 31.96 | 10 |
| PZ-11 | Piezometer | 12/05/2014 | 1240578.87 | 2026933.09 | 820.21 | 823.09 | 799.71 | 789.71 | 33.78 | 10 |
| PZ-12 | Piezometer | 12/08/2014 | 1240837.96 | 2026731.01 | 816.17 | 818.74 | 779.37 | 769.37 | 49.78 | 10 |
| PZ-15 | Piezometer | 12/10/2014 | 1240457.61 | 2025105.38 | 824.59 | 826.86 | 795.79 | 785.79 | 41.46 | 10 |
| PZ-16 | Piezometer | 12/11/2014 | 1239419.77 | 2023662.22 | 798.05 | 800.70 | 785.05 | 775.05 | 26.15 | 10 |
| PZ-17 | Piezometer | 12/11/2014 | 1239270.02 | 2023086.50 | 828.54 | 831.01 | 789.84 | 779.84 | 51.57 | 10 |
| PZ-18 | Piezometer | 12/11/2014 | 1239569.52 | 2022999.20 | 812.10 | 814.51 | 788.20 | 778.20 | 36.71 | 10 |
| PZ-20 | Piezometer | 01/31/2017 | 1243496.86 | 2030132.73 | 784.45 | 787.30 | 759.45 | 749.45 | 37.85 | 10 |
| PZ-23D | Piezometer | 10/02/2020 | 1242139.53 | 2028520.87 | 831.89 | 834.32 | 749.92 | 739.92 | 94.80 | 10 |
| PZ-26D | Piezometer | 10/12/2020 | 1239919.45 | 2024146.35 | 802.31 | 804.93 | 735.23 | 725.23 | 80.10 | 10 |
| PZ-27D | Piezometer | 10/15/2020 | 1240190.93 | 2023620.36 | 806.22 | 809.28 | 737.96 | 727.96 | 81.72 | 10 |
| PZ-28 | Piezometer | 10/29/2020 | 1240066.02 | 2022624.73 | 813.57 | 816.18 | 753.68 | 743.68 | 72.90 | 10 |
| PZ-29S | Piezometer | 10/31/2020 | 1244317.13 | 2028839.68 | 805.80 | 805.30 | 770.28 | 760.28 | 45.42 | 10 |
| PZ-29D | Piezometer | 11/01/2020 | 1244304.90 | 2028853.29 | 805.77 | 805.24 | 688.69 | 678.69 | 126.95 | 10 |
| WAMW-1 | Piezometer | 09/16/2018 | 1241843.66 | 2028944.63 | 780.05 | 782.66 | 668.40 | 658.40 | 124.60 | 10 |
| WAMW-2 | Piezometer | 09/14/2018 | 1241547.56 | 2028806.27 | 768.39 | 770.82 | 694.19 | 684.19 | 86.92 | 10 |
| Assessment Monitoring Well | | | | | | | | | | |
| WGWC-26D | Assessment | 9/26/2022 | 1243343.66 | 2029758.85 | 805.06 | 808.23 | 749.31 | 739.31 | 68.92 | 10 |
| WGWC-27 | Assessment | 9/27/2022 | 1243215.51 | 2029878.92 | 778.05 | 780.54 | 749.15 | 739.15 | 41.39 | 10 |

Notes:

ft = feet

ft BTOC = feet below top of casing

(1) Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Elevations referenced to the North American Vertical Datum of 1988 (NAVD88). Survey of WGWA-1 through WGWA-18, WGWC-8 through WGWC-19, WAMW-1 and WAMW-2, and PZ-01 through PZ-20 was completed by GEL Solutions and certified June 16, 2020. Survey of WGWC-20 through WGWC-25, and PZ-23D through PZ-29D was completed by GEL Solutions and certified on November 17, 2020. Survey of WGWC-26D and WGWC-27 was completed by GEL Solutions and certified on October 13, 2022.

(2) Ground surface elevation defined at the survey nail installed within the well pad.

(3) Total well depth accounts for sump if data provided on construction logs.

Table 2
Groundwater Sampling Event Summary
Plant Wansley AP-1, Heard and Carroll Counties, Georgia

| Well ID | Hydraulic Location | February 14-17, 2023 | Status of Monitoring Well |
|-----------------------------------|--------------------|----------------------|---------------------------|
| Purpose of Sampling Event: | | Assessment | |
| <i>Detection Monitoring Well</i> | | | |
| WGWA-1 | Upgradient | X | Assessment |
| WGWA-2 | Upgradient | X | Assessment |
| WGWA-3 | Upgradient | X | Assessment |
| WGWA-4 | Upgradient | X | Assessment |
| WGWA-5 | Upgradient | X | Assessment |
| WGWA-6 | Upgradient | X | Assessment |
| WGWA-7 | Upgradient | X | Assessment |
| WGWA-18 | Upgradient | X | Assessment |
| WGWC-8 | Downgradient | X | Assessment |
| WGWC-9 | Downgradient | X | Assessment |
| WGWC-10 | Downgradient | X | Assessment |
| WGWC-11 | Downgradient | X | Assessment |
| WGWC-12 | Downgradient | X | Assessment |
| WGWC-13 | Downgradient | X | Assessment |
| WGWC-14A | Downgradient | X | Assessment |
| WGWC-15 | Downgradient | X | Assessment |
| WGWC-16 | Downgradient | X | Assessment |
| WGWC-17 | Downgradient | X | Assessment |
| WGWC-19 | Downgradient | X | Assessment |
| WGWC-20 | Downgradient | X | Assessment |
| WGWC-21 | Downgradient | X | Assessment |
| WGWC-22 | Downgradient | X | Assessment |
| WGWC-23 | Downgradient | X | Assessment |
| WGWC-24 | Downgradient | X | Assessment |
| WGWC-25 | Downgradient | X | Assessment |
| <i>Assessment Monitoring Well</i> | | | |
| WGWC-26D | -- | X | Assessment |
| WGWC-27 | -- | X | Assessment |

Notes:

-- = Not applicable

Table 3
Summary of Groundwater Elevations
 Plant Wansley AP-1, Heard and Carroll Counties, Georgia

| Well ID | Top of Casing Elevation ⁽¹⁾ (ft) | February 13, 2023 | |
|-----------------------------------|--|-----------------------------|---|
| | | Depth to Water (ft BTOC) | Groundwater Elevation ⁽¹⁾ (ft) |
| Detection Monitoring Well | | | |
| WGWA-1 | 782.93 | 25.66 | 757.27 |
| WGWA-2 | 758.23 | 8.19 | 750.04 |
| WGWA-3 | 828.91 | 2.62 | 826.29 |
| WGWA-4 | 834.34 | 4.25 | 830.09 |
| WGWA-5 | 902.15 | 13.47 | 888.68 |
| WGWA-6 | 897.13 | 16.65 | 880.48 |
| WGWA-7 | 897.33 | 26.82 | 870.51 |
| WGWA-18 | 878.02 | 19.79 | 858.23 |
| WGWC-8 | 780.08 | 2.12 | 777.96 |
| WGWC-9 | 812.03 | 19.11 | 792.92 |
| WGWC-10 | 812.38 | 20.80 | 791.58 |
| WGWC-11 | 823.96 | 27.13 | 796.83 |
| WGWC-12 | 823.04 | 26.46 | 796.58 |
| WGWC-13 | 809.78 | 18.71 | 791.07 |
| WGWC-14A | 810.94 | 19.29 | 791.65 |
| WGWC-15 | 804.69 | 18.10 | 786.59 |
| WGWC-16 | 804.21 | 17.41 | 786.80 |
| WGWC-17 | 816.00 | 28.08 | 787.92 |
| WGWC-19 | 783.42 | 19.70 | 763.72 |
| WGWC-20 | 807.95 | 27.36 | 780.59 |
| WGWC-21 | 834.41 | 48.77 | 785.64 |
| WGWC-22 | 810.37 | 15.22 | 795.15 |
| WGWC-23 | 823.80 | 30.26 | 793.54 |
| WGWC-24 | 804.80 | 11.61 | 793.19 |
| WGWC-25 | 808.98 | 16.23 | 792.75 |
| Piezometer | | | |
| PZ-01 | 856.72 | 38.71 | 818.01 |
| PZ-04 | 889.01 | 10.82 | 878.19 |
| PZ-06 | 915.15 | 19.63 | 895.52 |
| PZ-08 | 867.29 | 31.18 | 836.11 |
| PZ-10 | 832.02 | 23.51 | 808.51 |
| PZ-11 | 823.09 | 20.95 | 802.14 |
| PZ-12 | 818.74 | 29.54 | 789.20 |
| PZ-15 | 826.86 | 30.80 | 796.06 |
| PZ-16 | 800.70 | 10.93 | 789.77 |
| PZ-17 | 831.01 | 37.63 | 793.38 |
| PZ-18 | 814.51 | 15.31 | 799.20 |
| PZ-20 | 787.30 | 14.89 | 772.41 |
| PZ-23D | 834.32 | 48.75 | 785.57 |
| PZ-26D | 804.93 | 12.88 | 792.05 |
| PZ-27D | 809.28 | 18.89 | 790.39 |
| PZ-28 | 816.18 | 27.36 | 788.82 |
| PZ-29S | 805.30 | 21.89 | 783.41 |
| PZ-29D | 805.24 | 23.77 | 781.47 |
| WAMW-1 | 782.66 | 20.43 | 762.23 |
| WAMW-2 | 770.82 | 12.99 | 757.83 |
| Assessment Monitoring Well | | | |
| WGWC-26D | 808.23 | 28.77 | 779.46 |
| WGWC-27 | 780.54 | 6.75 | 773.79 |

Notes:

ft = feet

ft BTOC = feet below top of casing

(1) Elevations referenced to the North American Vertical Datum of 1988 (NAVD88). Survey of WGWA-1 through WGWA-18, WGWC-8 through WGWC-19, WAMW-1 and WAMW-2, and PZ-01 through PZ-20 was completed by GEL Solutions and certified June 16, 2020. Survey of WGWC-20 through WGWC-25, and PZ-23D through PZ-29D was completed by GEL Solutions and certified on November 17, 2020. Survey of WGWC-26D and WGWC-27 was completed by GEL Solutions and certified October 13, 2022.

Table 4
 Horizontal Groundwater Gradient and Flow Velocity Calculations
 Plant Wansley AP-1, Heard and Carroll Counties, Georgia

| February 13, 2023 | | | | |
|------------------------------------|---------------------|---------------------|--------|-----------|
| Flow Path Direction ⁽¹⁾ | h ₁ (ft) | h ₂ (ft) | L (ft) | i (ft/ft) |
| PZ-01 to WGWC-17 | 818.00 | 787.92 | 373 | 0.081 |
| PZ-10 to WGWC-19 | 808.51 | 763.72 | 446 | 0.100 |

| February 13, 2023 | | | | | |
|------------------------------------|-------------------------|----------------|-----------|---------------------------|---------------------------|
| Flow Path Direction ⁽¹⁾ | K _h (ft/day) | n _e | i (ft/ft) | V (ft/day) ⁽²⁾ | V (ft/day) ⁽³⁾ |
| PZ-01 to WGWC-17 | 0.27 | 0.25 | 0.081 | 0.087 | 0.098 |
| PZ-10 to WGWC-19 | | | 0.100 | 0.108 | |

Notes:

ft = feet

ft/day = feet per day

ft/ft = feet per foot

h₁, h₂ = groundwater elevation at location 1 and location 2

L = distance between location 1 and 2

i = h₁ - h₂ / L = horizontal hydraulic gradient

K_h = horizontal hydraulic conductivity

n_e = effective porosity

V = groundwater flow velocity

(1) Flow path direction relative to the orientation of AP-1 and illustrated on Figure 3 of associated report.

(2) Groundwater flow velocity equation: $V = [K_h * i] / n_e$

(3) Average groundwater flow velocity for unit.

Table 5
 Summary of Groundwater Analytical Data
 Plant Wansley AP-1, Heard and Carroll Counties, Georgia

| | Well ID: | WGWA-1 | WGWA-2 | WGWA-3 | WGWA-4 | WGWA-5 | WGWA-6 | WGWA-7 | WGWA-18 | WGWC-8 |
|--------------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Sample Date: | 2/14/2023 | 2/14/2023 | 2/14/2023 | 2/15/2023 | 2/14/2023 | 2/14/2023 | 2/14/2023 | 2/14/2023 | 2/16/2023 |
| | Constituent ^(1,2) | | | | | | | | | |
| Appendix III | Boron | 0.026 J | 0.023 J | <0.022 | <0.022 | 0.03 J | <0.022 | 0.033 J | <0.022 | 2.8 |
| | Calcium | 1.4 | 12.0 | 2.0 | 18.0 | 1.3 | 29.0 | 1.3 | 5.7 | 92.0 |
| | Chloride | 3.9 | 2.6 | 1.6 | 1.2 | 1.3 | 1.5 | 1.8 | 1.9 | 120 |
| | Fluoride | <0.040 | 0.07 J | 0.041 J | 0.14 | <0.040 | 0.11 | <0.040 | 0.053 J | 0.14 |
| | pH ⁽³⁾ | 5.37 | 6.06 | 5.49 | 7.21 | 5.30 | 7.78 | 5.44 | 5.89 | 5.22 |
| | Sulfate | <0.40 | 0.66 J | 0.65 J | 7.8 | 0.66 J | 7.9 | <0.40 | 7.3 | 250 |
| | TDS | 34.0 | 100 | 27.0 | 100 | 24.0 | 120 | 24.0 | 42.0 | 590 |
| Appendix IV | Antimony | <0.00034 | <0.00034 | <0.00034 | <0.00034 | <0.00034 | <0.00034 | <0.00034 | <0.00034 | 0.00064 J |
| | Arsenic | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 |
| | Barium | 0.050 | 0.022 | 0.015 | 0.0058 J | 0.018 | 0.0078 J | 0.011 | 0.013 | 0.00093 J |
| | Beryllium | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.0025 |
| | Cadmium | <0.000078 | <0.000078 | <0.000078 | <0.000078 | <0.000078 | <0.000078 | <0.000078 | <0.000078 | 0.00065 J |
| | Chromium | <0.0012 | <0.0012 | <0.0012 | <0.0012 | <0.0012 | <0.0012 | <0.0012 | <0.0012 | <0.0012 |
| | Cobalt | 0.00073 J | 0.00052 J | <0.00022 | <0.00022 | 0.0011 J | <0.00022 | <0.00022 | 0.001 J | <0.00022 |
| | Fluoride | <0.040 | 0.07 J | 0.041 J | 0.14 | <0.040 | 0.11 | <0.040 | 0.053 J | 0.14 |
| | Lead | <0.00021 | <0.00021 | <0.00021 | <0.00021 | <0.00021 | <0.00021 | <0.00021 | <0.00021 | 0.00029 J |
| | Lithium | 0.0029 J | 0.006 | <0.0020 | 0.0041 J | <0.0020 | 0.0045 J | <0.0020 | <0.0020 | 0.01 |
| | Mercury | <0.000080 | <0.000080 | <0.000080 | <0.000080 | <0.000080 | <0.000080 | <0.000080 | <0.000080 | <0.000080 |
| | Molybdenum | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 |
| | Comb. Radium 226/228 | 0.827 | 0.421 U | 0.605 | 1.59 | 0.741 | 8.54 | -0.022 U | 0.753 | 3.04 |
| Selenium | <0.00099 | <0.00099 | <0.00099 | <0.00099 | <0.00099 | <0.00099 | <0.00099 | <0.00099 | 0.0033 J | |
| Thallium | <0.00026 | <0.00026 | <0.00026 | <0.00026 | <0.00026 | <0.00026 | <0.00026 | <0.00026 | <0.00026 | |
| Major Ions | Bicarbonate Alkalinity | 390 | 240 | 270 | 110 | 97.0 | 150 | 160 | 83.0 | 9.7 |
| | Total Alkalinity | 390 | 240 | 270 | 110 | 97.0 | 150 | 160 | 83.0 | 9.7 |
| | Iron | <0.012 | <0.012 | <0.012 | 1.0 | 0.055 | 0.28 | <0.012 | 0.11 | <0.048 |
| | Magnesium | 1.3 | 4.4 | 1.2 | 2.8 | 0.78 | 2.4 | 0.69 | 1.3 | 24.0 |
| | Manganese | 0.01 | 0.033 | <0.0022 | 0.18 | 0.0066 | 0.15 | 0.0024 J | 0.11 | 0.0083 |
| | Potassium | 1.3 | 2.5 | 1.4 | 2.9 | 1.3 | 3.4 | 0.89 | 2.5 | 9.5 |
| | Sodium | 3.6 | 9.8 | 3.0 | 7.9 | 1.6 | 6.1 | 2.7 | 4.4 | 38.0 |
| Sulfide | <0.83 | <0.81 | <0.81 | <0.81 | <0.81 | <0.81 | <0.81 | <0.81 | <0.83 | |

Notes:

-- = Parameter was not analyzed.

TDS = total dissolved solids

< = Indicates the parameter was not detected above the analytical method detection limit (MDL)

B = Compound was found in the blank and sample

J = Indicates the parameter was estimated and detected between the MDL and the reporting limit (RL)

U = Indicates the parameter was not detected above the analytical minimum detectable concentration (MDC) (Specific to combined radium 226/228)

(1) Appendix III/IV parameter per 40 CFR 257 Subpart D. Parameters are reported in units of milligrams per liter (mg/L), except for pH reported as s.u. (standard units) and combined radium reported as picocuries per liter (pCi/L).

(2) Metals were analyzed by EPA Method 6020B and Method 7470A, anions were analyzed by EPA Method 300.0, TDS was analyzed by SM 2540C, alkalinity was analyzed by SM2320B, sulfide was analyzed by EPA Method 9034, and combined radium by EPA Methods 9315/9320.

(3) The pH value presented was recorded at the time of sample collection in the field.

Table 5
 Summary of Groundwater Analytical Data
 Plant Wansley AP-1, Heard and Carroll Counties, Georgia

| | Well ID: | WGWC-9 | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 |
|----------------------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|
| | Sample Date: | 2/15/2023 | 2/16/2023 | 2/16/2023 | 2/16/2023 | 2/16/2023 | 2/16/2023 | 2/15/2023 | 2/15/2023 | 2/16/2023 | 2/16/2023 | 2/16/2023 | 2/16/2023 |
| | Constituent ^(1,2) | | | | | | | | | | | | |
| Appendix III | Boron | 0.69 | 0.04 J | <0.022 | 0.024 J | 0.033 J | 0.03 J | <0.022 | 0.86 | <0.022 | <0.022 | 3.5 | 0.14 |
| | Calcium | 11.0 | 6.9 | 1.7 | 12.0 | 3.8 | 0.69 | 31.0 | 26.0 | 6.0 | 13.0 | 190 | 68.0 |
| | Chloride | 3.9 | 1.3 | 3.3 | 2.9 | 0.97 J | 1.9 | 1.0 | 42.0 | 1.2 | 2.6 | 230 | 51.0 |
| | Fluoride | 0.85 | 0.11 | 0.041 J | 0.089 J | 0.15 | <0.040 | 0.73 | 0.076 J | 0.069 J | 0.33 | 1.9 | 1.9 |
| | pH ⁽³⁾ | 5.86 | 6.39 | 5.69 | 6.61 | 6.27 | 5.40 | 7.72 | 5.19 | 6.23 | 6.80 | 5.17 | 6.92 |
| | Sulfate | 65.0 | 1.8 | 1.0 | 2.8 | 2.3 | 0.47 J | 14.0 | 54.0 | 2.6 | 3.0 | 350 | 340 |
| | TDS | 160 | 54.0 | 33.0 | 89.0 | 81.0 | 27.0 | 130 | 160 | 77.0 | 100 | 960 | 630 |
| | Appendix IV | Antimony | 0.00048 J | <0.00034 | <0.00034 | <0.00034 | <0.00034 | <0.00034 | <0.00034 | <0.00034 | <0.00034 | <0.00034 | <0.00034 |
| Arsenic | | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 |
| Barium | | <0.00089 | 0.032 | 0.041 | 0.014 | 0.037 | 0.028 | 0.029 | 0.044 | 0.010 | 0.00096 J | <0.00089 | 0.0053 J |
| Beryllium | | 0.00044 J | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.00031 J | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.011 | <0.00020 |
| Cadmium | | <0.000078 | <0.000078 | <0.000078 | <0.000078 | <0.000078 | <0.000078 | <0.000078 | 0.000085 J | <0.000078 | <0.000078 | 0.00057 J | <0.000078 |
| Chromium | | <0.0012 | 0.0014 J | <0.0012 | <0.0012 | 0.0045 | <0.0012 | <0.0012 | <0.0012 | <0.0012 | <0.0012 | <0.0012 | 0.0015 J |
| Cobalt | | <0.00022 | <0.00022 | <0.00022 | 0.0004 J | <0.00022 | 0.0022 J | <0.00022 | <0.00022 | <0.00022 | 0.00053 J | <0.00022 | <0.00022 |
| Fluoride | | 0.85 | 0.11 | 0.041 J | 0.089 J | 0.15 | <0.040 | 0.73 | 0.076 J | 0.069 J | 0.33 | 1.9 | 1.9 |
| Lead | | <0.00021 | <0.00021 | <0.00021 | <0.00021 | 0.00027 J | 0.00024 J | <0.00021 | <0.00021 | <0.00021 | <0.00021 | <0.00021 | <0.00021 |
| Lithium | | 0.033 | 0.0025 J | <0.0020 | 0.0036 J | <0.0020 | <0.0020 | 0.0062 | 0.0044 J | 0.0026 J | 0.053 | 0.14 | 0.053 |
| Mercury | | <0.000080 | <0.000080 | <0.000080 | <0.000080 | <0.000080 | <0.000080 | <0.000080 | <0.000080 | <0.000080 | <0.000080 | <0.000080 | <0.000080 |
| Molybdenum | | 0.0025 J | <0.00086 | <0.00086 | <0.00086 | 0.0013 J | <0.00086 | 0.0027 J | <0.00086 | 0.0022 J | 0.0014 J | <0.00086 | 0.034 |
| Comb. Radium 226/228 | | 0.011 U | 0.326 U | 0.417 U | 0.388 U | 0.200 U | 0.455 U | 0.088 U | 0.734 | 0.121 U | 0.248 U | 0.853 | 0.617 |
| Selenium | | 0.0037 J | <0.00099 | <0.00099 | <0.00099 | <0.00099 | <0.00099 | <0.00099 | 0.0019 J | <0.00099 | <0.00099 | 0.0017 J | <0.00099 |
| Thallium | <0.00026 | <0.00026 | <0.00026 | <0.00026 | <0.00026 | <0.00026 | <0.00026 | <0.00026 | <0.00026 | <0.00026 | <0.00026 | <0.00026 | |
| Major Ions | Bicarbonate Alkalinity | 140 | 33.0 | 11.0 | 43.0 | 33.0 | 12.0 | 130 | 260 | 46.0 | 88.0 | 9.5 | 110 |
| | Total Alkalinity | 140 | 33.0 | 11.0 | 43.0 | 33.0 | 12.0 | 130 | 260 | 46.0 | 88.0 | 9.5 | 110 |
| | Iron | <0.012 | <0.012 | 0.022 J | 1.5 | 0.095 | 0.044 J | 0.012 J | <0.012 | 0.15 | 0.14 | <0.012 | 0.079 |
| | Magnesium | 3.1 | 1.6 | 1.3 | 2.6 | 0.48 J | 0.71 | 5.0 | 8.4 | 3.5 | 9.0 | 44.0 | 9.0 |
| | Manganese | 0.0052 | 0.0056 | 0.016 | 0.013 | <0.0022 | 0.055 | 0.0074 | 0.017 | 0.0072 | 0.019 | 0.36 | 0.04 |
| | Potassium | 1.5 | 1.7 | 1.2 | 2.0 | 1.7 | 1.7 | 1.5 | 2.8 | 1.7 | 1.3 | 6.6 | 3.1 |
| | Sodium | 25.0 | 3.6 | 3.4 | 5.8 | 9.3 | 4.0 | 10.0 | 12.0 | 9.2 | 7.6 | 54.0 | 160 |
| | Sulfide | <0.83 | <0.81 | <0.83 | <0.83 | <0.83 | <0.81 | <0.81 | <0.83 | <0.81 | <0.83 | <0.86 | 1.1 |

Notes:

-- = Parameter was not analyzed.

TDS = total dissolved solids

< = Indicates the parameter was not detected above the analytical method detection limit (MDL)

B = Compound was found in the blank and sample

J = Indicates the parameter was estimated and detected between the MDL and the reporting limit (RL)

U = Indicates the parameter was not detected above the analytical minimum detectable concentration (MDC) (Specific to combined radium 226/228)

(1) Appendix III/IV parameter per 40 CFR 257 Subpart D. Parameters are reported in units of milligrams per liter (mg/L), except for pH reported as s.u. (standard units) and combined radium reported as picocuries per liter (pCi/L).

(2) Metals were analyzed by EPA Method 6020B and Method 7470A, anions were analyzed by EPA Method 300.0, TDS was analyzed by SM 2540C, alkalinity was analyzed by SM2320B, sulfide was analyzed by EPA Method 9034, and combined radium by EPA Methods 9315/9320.

(3) The pH value presented was recorded at the time of sample collection in the field.

Table 5
 Summary of Groundwater Analytical Data
 Plant Wansley AP-1, Heard and Carroll Counties, Georgia

| | Well ID: | WGWC-22 | WGWC-23 | WGWC-24 | WGWC-25 | WGWC-26D | WGWC-27 |
|----------------------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Sample Date: | 2/15/2023 | 2/15/2023 | 2/15/2023 | 2/15/2023 | 2/16/2023 | 2/16/2023 |
| | Constituent ^(1,2) | | | | | | |
| Appendix III | Boron | 0.39 | 0.049 J | 1.4 | 0.89 | 3.9 | 0.22 |
| | Calcium | 26.0 | 2.4 | 39.0 | 18.0 | 180 | 19.0 |
| | Chloride | 4.6 | 2.9 | 39.0 | 79.0 | 280 | 22.0 |
| | Fluoride | 0.31 | 0.048 J | 0.63 | <0.040 | 1.7 | 0.92 |
| | pH ⁽³⁾ | 5.47 | 5.49 | 4.54 | 5.36 | 5.52 | 5.91 |
| | Sulfate | 110 | 5.2 | 120 | 27.0 | 370 | 29.0 |
| | TDS | 210 | 71.0 | 230 | 200 | 1100 | 160 |
| | Appendix IV | Antimony | 0.0012 J | 0.0022 | <0.00034 | <0.00034 | <0.00034 |
| Arsenic | | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 | <0.00086 |
| Barium | | 0.033 | 0.0055 J | 0.036 | 0.330 | 0.0045 J | 0.0049 J |
| Beryllium | | 0.00067 J | 0.0012 J | 0.0099 | 0.00026 J | 0.0079 | 0.00046 J |
| Cadmium | | 0.00028 J | <0.000078 | 0.00057 J | 0.0001 J | 0.00018 J | 0.00008 J |
| Chromium | | <0.0012 | <0.0012 | <0.0012 | <0.0012 | <0.0012 | <0.0012 |
| Cobalt | | <0.00022 | <0.00022 | 0.084 | 0.0049 | 0.0014 J | 0.0013 J |
| Fluoride | | 0.31 | 0.048 J | 0.63 | <0.040 | 1.7 | 0.92 |
| Lead | | 0.00023 J | 0.0046 | 0.00056 J | <0.00021 | <0.00021 | <0.00021 |
| Lithium | | 0.009 | <0.0020 | 0.0068 | 0.0031 J | 0.17 | 0.024 |
| Mercury | | <0.000080 | <0.000080 | <0.000080 | <0.000080 | <0.000080 | <0.000080 |
| Molybdenum | | <0.00086 | <0.00086 | <0.00086 | <0.00086 | 0.006 J | <0.00086 |
| Comb. Radium 226/228 | | 5.98 | 0.985 | 0.974 | 0.873 | 5.49 | 2.16 |
| Selenium | | 0.0077 | 0.0026 J | <0.00099 | <0.00099 | 0.0012 J | <0.00099 |
| Thallium | <0.00026 | <0.00026 | 0.00045 J | <0.00026 | <0.00026 | <0.00026 | |
| Major Ions | Bicarbonate Alkalinity | 340 | 82.0 | 9.0 | 8.0 | 21.0 | 35.0 |
| | Total Alkalinity | 340 | 82.0 | 9.0 | 8.0 | 21.0 | 35.0 |
| | Iron | 0.13 | <0.012 | <0.012 | 0.11 | 1.6 | 0.42 |
| | Magnesium | 6.4 | 0.45 J | 7.7 | 22.0 | 57.0 | 3.2 |
| | Manganese | 0.018 | 0.0038 J | 2.8 | 0.27 | 0.73 | 0.43 |
| | Potassium | 6.3 | 2.2 | 8.8 | 3.8 | 4.6 | 2.0 |
| | Sodium | 24.0 | 13.0 | 9.9 | 12.0 | 53.0 | 15.0 |
| | Sulfide | <0.81 | <0.83 | <0.83 | <0.83 | <0.83 | <0.83 |

Notes:

-- = Parameter was not analyzed.

TDS = total dissolved solids

< = Indicates the parameter was not detected above the analytical method detection limit (MDL)

B = Compound was found in the blank and sample

J = Indicates the parameter was estimated and detected between the MDL and the reporting limit (RL)

U = Indicates the parameter was not detected above the analytical minimum detectable concentration (MDC) (Specific to combined)

(1) Appendix III/IV parameter per 40 CFR 257 Subpart D. Parameters are reported in units of milligrams per liter (mg/L), except s.u. (standard units) and combined radium reported as picocuries per liter (pCi/L).

(2) Metals were analyzed by EPA Method 6020B and Method 7470A, anions were analyzed by EPA Method 300.0, TDS was analyzed by SM2320B, sulfide was analyzed by EPA Method 9034, and combined radium by EPA Methods 9315/9320.

(3) The pH value presented was recorded at the time of sample collection in the field.

Table 6
Summary of Background Concentrations and Groundwater Protection Standards
Plant Wansley AP-1, Heard and Carroll Counties, Georgia

| Constituent | Units | MCL | CCR-Rule Specified ⁽¹⁾ | Background Limit ⁽²⁾ | GWPS ⁽³⁾ |
|-------------------------|-------|-------|-----------------------------------|---------------------------------|---------------------|
| Antimony | mg/L | 0.006 | N/A | 0.0022 | 0.006 |
| Arsenic | mg/L | 0.01 | N/A | 0.0014 | 0.01 |
| Barium | mg/L | 2 | N/A | 0.062 | 2 |
| Beryllium | mg/L | 0.004 | N/A | 0.0025 | 0.004 |
| Cadmium | mg/L | 0.005 | N/A | 0.0025 | 0.005 |
| Chromium | mg/L | 0.1 | N/A | 0.0063 | 0.1 |
| Cobalt | mg/L | N/A | 0.006 | 0.013 | 0.013 |
| Fluoride | mg/L | 4 | N/A | 0.28 | 4 |
| Lead | mg/L | N/A | 0.015 | 0.001 | 0.015 |
| Lithium | mg/L | N/A | 0.040 | 0.009 | 0.04 |
| Mercury | mg/L | 0.002 | N/A | 0.0002 | 0.002 |
| Molybdenum | mg/L | N/A | 0.1 | 0.015 | 0.1 |
| Selenium | mg/L | 0.05 | N/A | 0.005 | 0.05 |
| Thallium | mg/L | 0.002 | N/A | 0.001 | 0.002 |
| Combined Radium-226/228 | pCi/L | 5 | N/A | 10.4 | 10.4 |

Notes:

mg/L = milligrams per liter

pCi/L = picocuries per liter

MCL = Maximum Contaminant Level

CCR = Coal Combustion Residual

GWPS = Groundwater Protection Standard

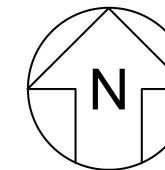
N/A = Not Applicable

(1) On February 22, 2022, the Georgia Environmental Protection Division (GA EPD) adopted the federally promulgated GWPS for cobalt, lithium, lead, and molybdenum.

(2) The background limits were used when determining the GWPS under 40 CFR 257.95(h) and GA EPD Rule 391-3-4-.10(6)(a).

(3) Under 40 CFR 257.95(h)(1-3) the GWPS is: (i) the maximum contaminant level (MCL) established under § 141.62 and § 141.66 of this title; (ii) where an MCL has not been established a rule-specific GWPS; or (iii) background levels for constituents where the background level is higher than the MCL or rule-specified GWPS.

FIGURES



Legend

- Approximate Property Boundary
- Approximate AP-1 Boundary



Notes:
 1. Service Layer Credits for immediate vicinity of AP-1: Source: SAM LLC, September 9, 2022.
 2. Service Layer Credits for surrounding area: 2020-04-05 Worldview Satellite imagery. Purchased from Harris Geospatial.
 3. Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, April 13, 2023.



SITE LOCATION MAP

GEORGIA POWER COMPANY
 PLANT WANSLEY AP-1
 HEARD AND CARROLL COUNTIES, GEORGIA

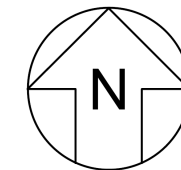
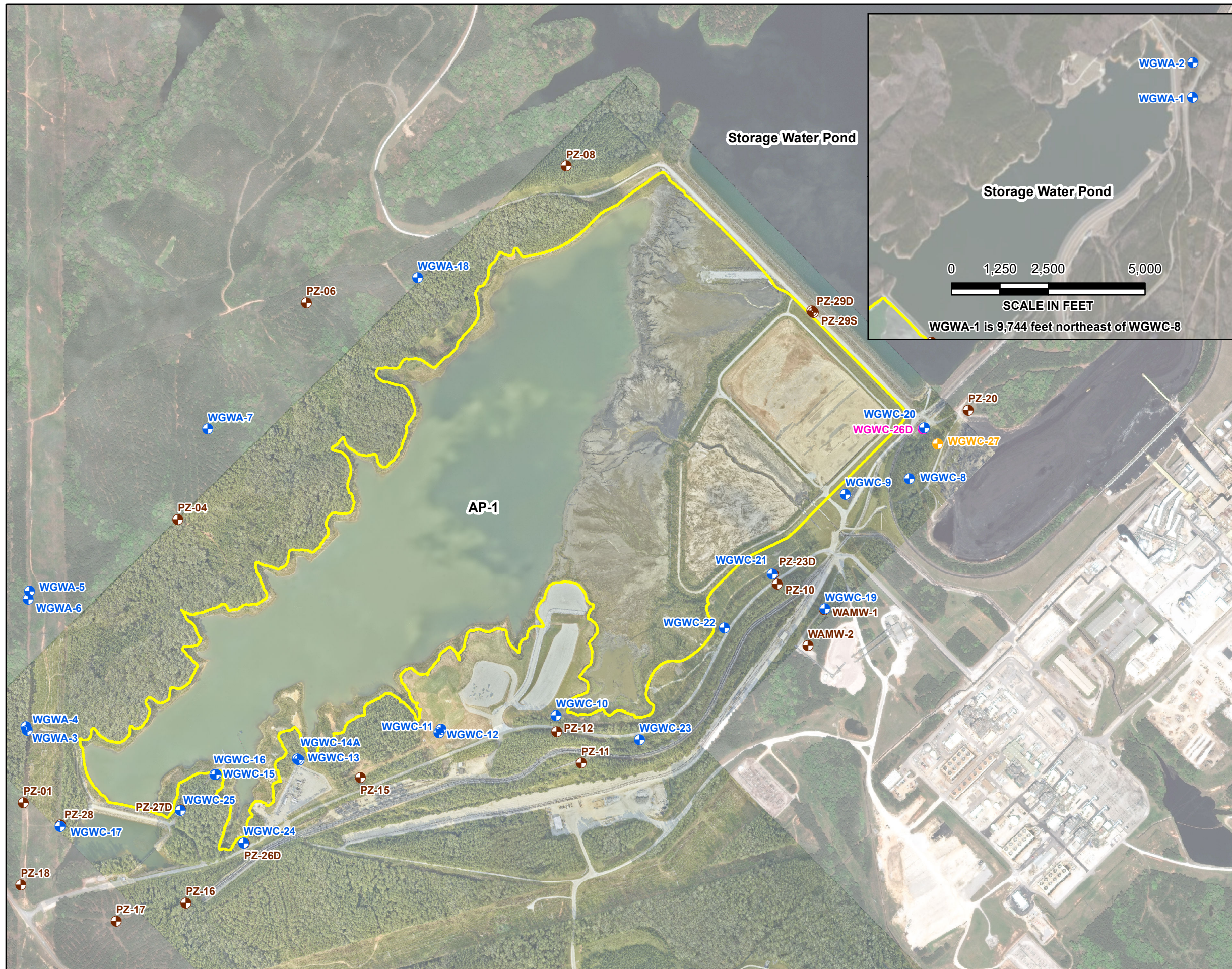
Prepared For: Georgia Power

Prepared By: Geosyntec
 consultants

KENNESAW, GA

AUGUST 2023

**FIGURE
1**



- Legend**
- + Detection Monitoring Well
 - + Horizontal Assessment Monitoring Well
 - + Vertical Assessment Monitoring Well
 - + Piezometer
 - Approximate AP-1 Boundary

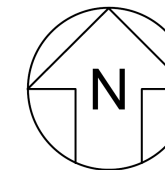
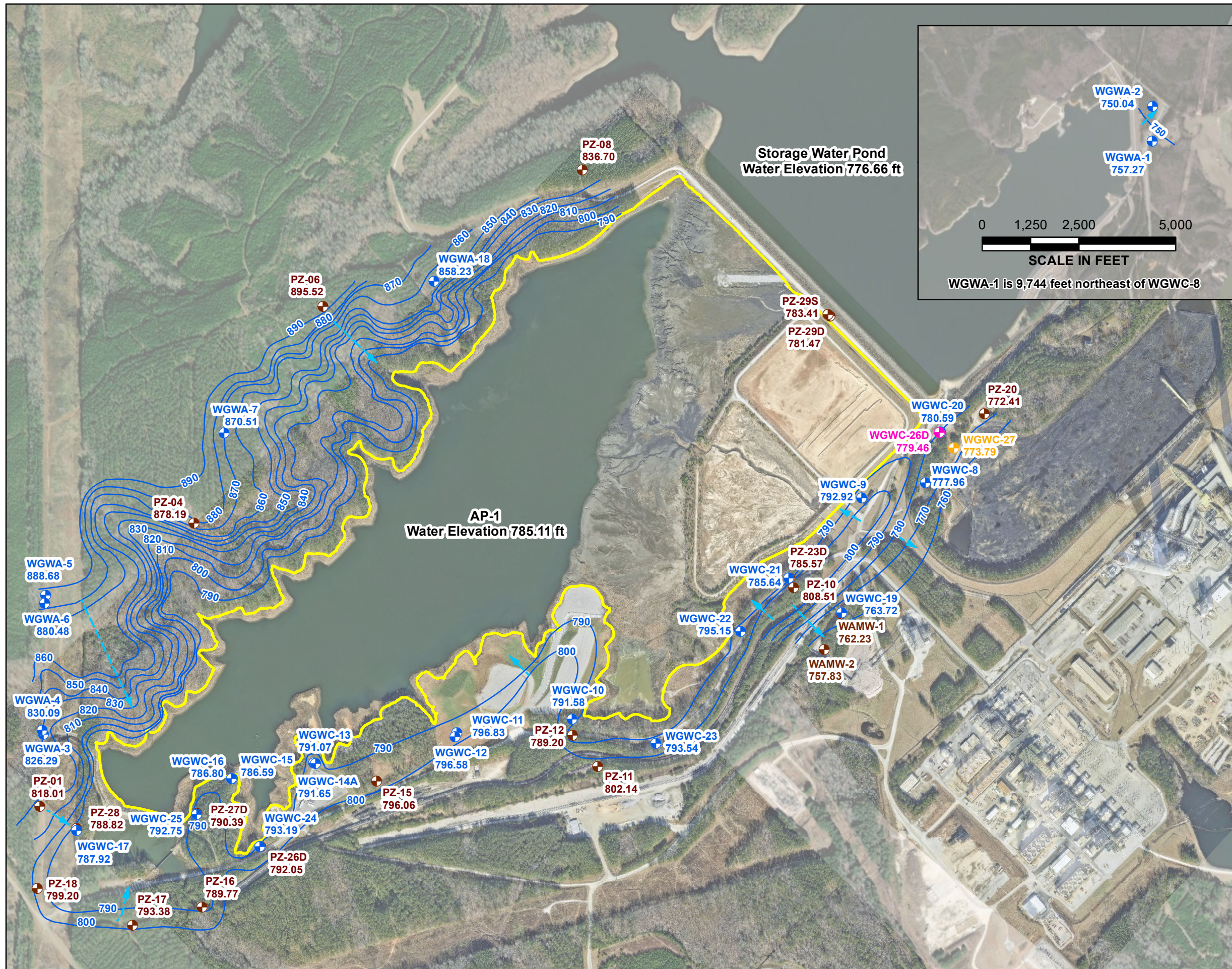
Notes:
 1. Service Layer Credits for immediate vicinity of AP-1: Source: SAM LLC, September 9, 2022.
 2. Service Layer Credits for surrounding area: 2020-04-05 Worldview 3 Satellite imagery. Purchased from Harris Geospatial.
 3. Assessment monitoring wells installed in September 2022.



**GROUNDWATER MONITORING
WELL NETWORK MAP**

GEORGIA POWER COMPANY
PLANT WANSLEY AP-1
HEARD AND CARROLL COUNTIES, GEORGIA

| | |
|--|---------------------|
| Prepared For: Georgia Power | FIGURE 2 |
| Prepared By: Geosyntec consultants | |
| KENNESAW, GA | AUGUST 2023 |



- Legend**
- + Detection Monitoring Well
 - + Horizontal Assessment Monitoring Well
 - + Vertical Assessment Monitoring Well
 - + Piezometer
 - Approximate Groundwater Flow Direction
 - Groundwater Elevation Iso-Contour
 - Approximate AP-1 Boundary



Notes:

1. Water level elevation recorded on February 13, 2023. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88. The map shows only the wells/piezometers currently installed at the time of the gauging event.
2. Service Layer Credits for immediate vicinity of AP-1: Source: SAM LLC, January 2023.
3. Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, April 13, 2023.
4. Piezometer PZ-29S is installed within dike material and may not be representative of actual groundwater conditions.



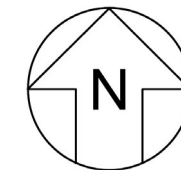
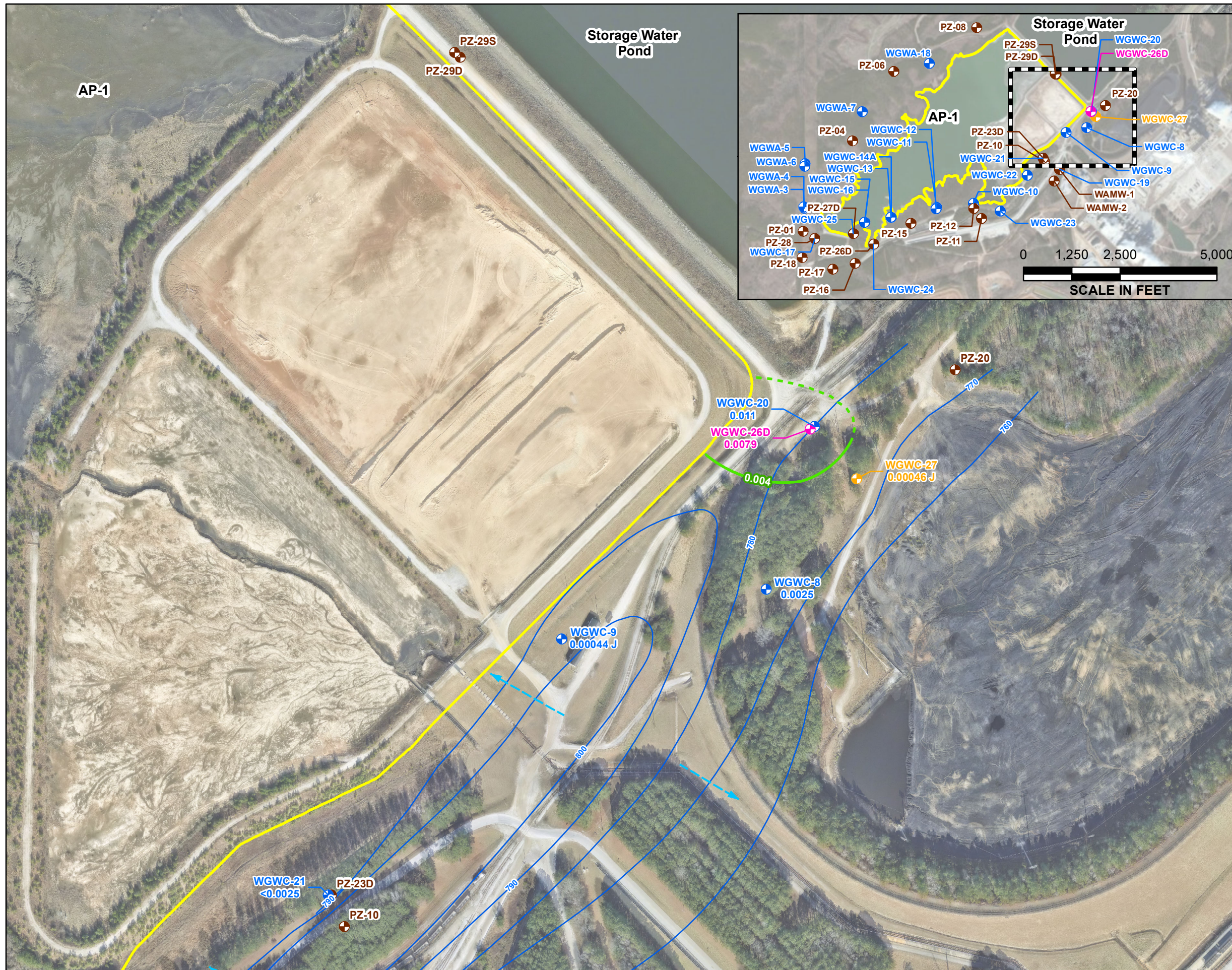
**POTENTIOMETRIC SURFACE CONTOUR
MAP -FEBRUARY 2023**

GEORGIA POWER COMPANY
PLANT WANSLEY AP-1
HEARD AND CARROLL COUNTIES, GEORGIA

Prepared For: Georgia Power
Prepared By: Geosyntec
consultants

**Figure
3**

KENNESAW, GA AUGUST 2023



- Legend**
- Detection Monitoring Well
 - Horizontal Assessment Monitoring Well
 - Vertical Assessment Monitoring Well
 - Piezometer
 - Approximate Groundwater Flow Direction
 - Groundwater Elevation Iso-Contour
 - Approximate AP-1 Boundary
 - Beryllium GWPS Iso-Concentration Contour (mg/L)
 - - - Beryllium GWPS Iso-Concentration Contour (mg/L) Inferred

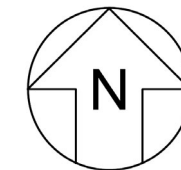
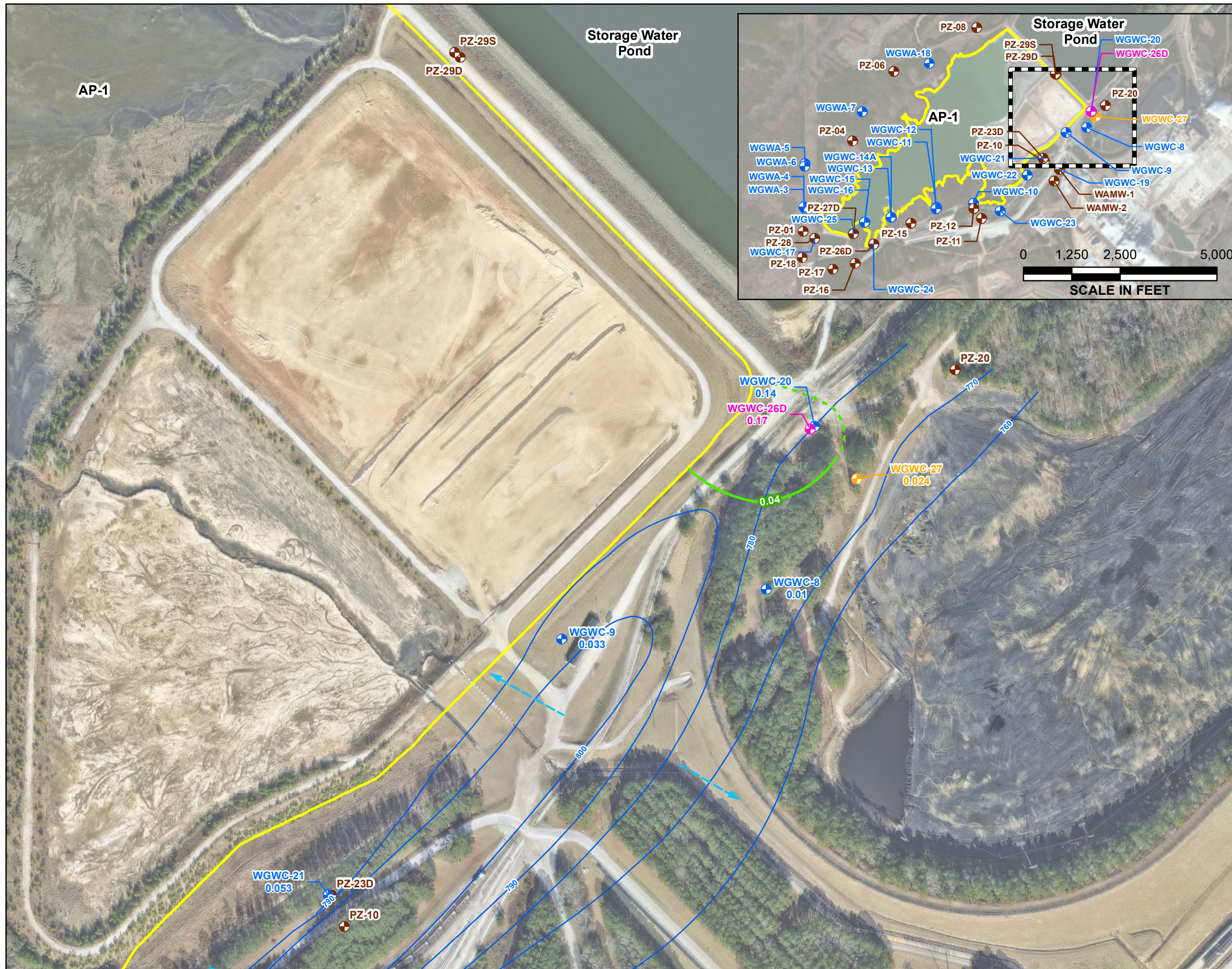
- Notes:**
1. Concentration data from groundwater samples was collected during the February 2023 semiannual monitoring event.
 2. Concentrations are reported in milligrams per liter (mg/L).
 3. Water level elevation recorded on February 13, 2023. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88. Assessment wells were installed in September 2022 and not used for potentiometric contouring.
 4. The Groundwater Protection Standard (GWPS) for beryllium is 0.004 mg/L.
 5. J - Estimated value and detected between the analytical method detection limit and the reporting limit.
 6. Data reported for wells screened deeper in the aquifer were not used for iso-concentration contour (WGWC-26D).
 7. Service Layer Credits for immediate vicinity of AP-1: Source: SAM LLC, January 2023.
 8. Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, April 13, 2023.



**ISO-CONCENTRATION MAP,
BERYLLIUM - FEBRUARY 2023**

GEORGIA POWER COMPANY
PLANT WANSLEY AP-1
HEARD AND CARROLL COUNTIES, GEORGIA

| | |
|--|---------------------|
| Prepared For: Georgia Power | Figure 4 |
| Prepared By: Geosyntec consultants | |
| KENNESAW, GA | AUGUST 2023 |



- Legend**
- Detection Monitoring Well
 - Horizontal Assessment Monitoring Well
 - Vertical Assessment Monitoring Well
 - Piezometer
 - Approximate Groundwater Flow Direction
 - Groundwater Elevation Iso-Contour
 - Approximate AP-1 Boundary
 - Lithium GWPS Iso-Concentration Contour (mg/L)
 - - - Lithium GWPS Iso-Concentration Contour (mg/L) Inferred

Notes:

1. Concentration data from groundwater samples was collected during the February 2023 semiannual monitoring event.
2. Concentrations are reported in milligrams per liter (mg/L).
3. Water level elevation recorded on February 13, 2023. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88. Assessment wells were installed in September 2022 and not used for potentiometric contouring.
4. The Groundwater Protection Standard (GWPS) for lithium is 0.04 mg/L.
5. Data reported for wells screened deeper in the aquifer were not used for iso-concentration contour (WGWC-26D).
6. Service Layer Credits for immediate vicinity of AP-1: Source: SAM LLC, January 2023.
7. Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, April 13, 2023.

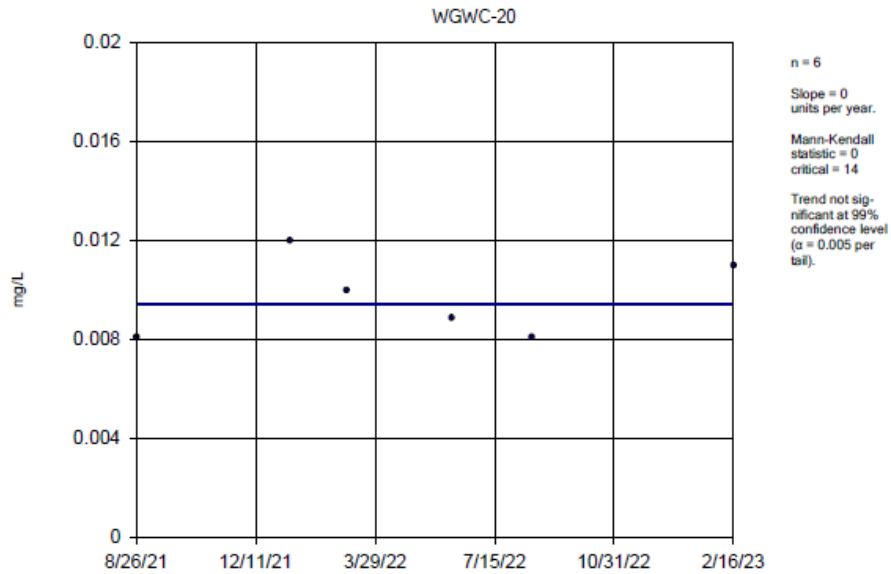


**ISO-CONCENTRATION MAP,
LITHIUM - FEBRUARY 2023**

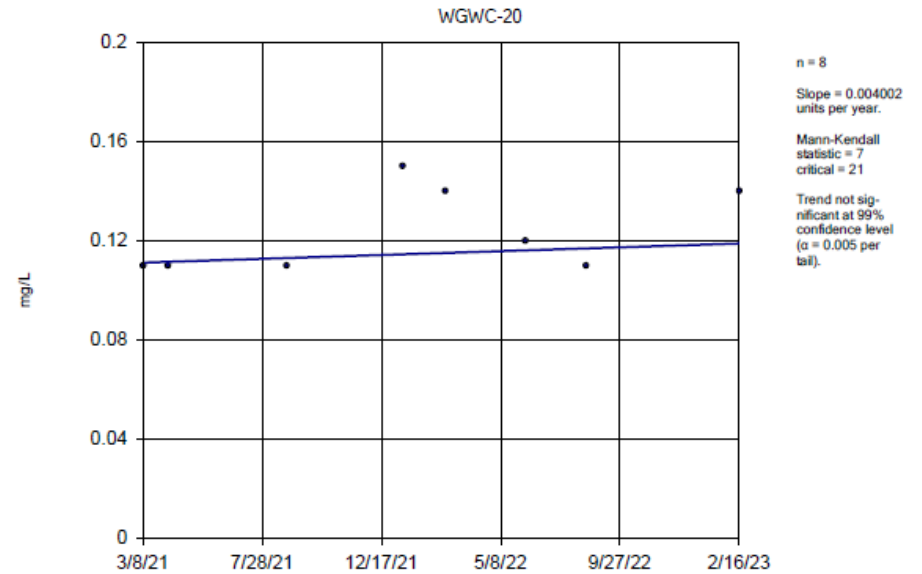
GEORGIA POWER COMPANY
PLANT WANSLEY AP-1
HEARD AND CARROLL COUNTIES, GEORGIA

| | |
|--|---------------------|
| Prepared For: Georgia Power | Figure 5 |
| Prepared By: Geosyntec consultants | |
| KENNESAW, GA | AUGUST 2023 |

Beryllium



Lithium



Notes:

1. Groundwater trends completed by Groundwater Stats Consulting using groundwater data collected for the full monitoring period through the February 2023 semiannual sampling event.
2. Trends shown are in wells where statistically significant levels (SSLs) have been identified.
3. mg/L = milligrams per liter

Beryllium and Lithium Concentration Trends

Georgia Power Company
 Plant Wansley AP-1
 Putnam County, Georgia

Prepared For:



Prepared By:



Figure

6

Kennesaw, GA

August 2023

APPENDIX A

Well Maintenance and Repair Documentation

Summary

Off initials: *AS HA* Signature(s): *[Signature]*

All monitoring wells are in good condition and any needed repairs have been made

Repairs were made _____ total number of wells were repaired (see next pages for details)

Corrective action is still needed - could not complete all repairs while in the field

Wells listed in the box below still need corrective action taken (see next pages for details)

Inspections Criteria

1 - Location/Identification

- a Is the well visible and accessible?
- b Is the well properly identified with the correct well ID?
- c Does the well require protection from traffic?
- d Is the drainage around the well acceptable? (No standing water, nor is well located in obvious drainage flow path)

2 - Protective Outer Casing

- a Is the protective casing free from apparent damage?
- b Is the casing free of degradation or deterioration?
- c Does the casing have a functioning weep hole?
- d Is the annular space between casings filled with pea gravel or sand?
- e Is the well locked, and is the lock in good working condition?

3 - Surface Pad

- a Is the well pad in good condition? (Not cracked or broken)
- b Does the well pad provide adequate surface seal and stability to the well?
- c Is the well pad in complete contact with the protective casing?
- d Is the well pad in complete contact with the ground surface? (Not undermined by erosion, animal burrows, and does not move when stepped on)
- e Is the pad surface clean? (Not covered by soil or debris)

4 - Internal Well Casing

- a Does the well cap prevent entry of foreign material into the well?
- b Is the casing free of kinks or bends, or any obstruction from foreign objects ?
- c Does the well have a venting hole near the top of casing?
- d Is the depth of the well consistent with the original well log?
- e Does the PVC casing move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction?

5 - Based on your professional judgment, is the well construction / location appropriate to:

- a Achieves the objectives of the facility Groundwater Monitoring Program and complies with the applicable regulatory requirements?

Surface Water Signs (Note all good or if missing/issues): *NA*

Well Repair Form

Date: 2/13/23

Staff/Signature: Anna Schmitter

| Well ID | Good or Deficiency observed: Notes on repair or needs | Inspected by Initials |
|----------|---|-----------------------|
| WGWA-1 | Good | AS |
| WGWA-2 | Good | AS |
| WGWA-3 | Good | AS |
| WGWA-4 | Good | AS |
| WGWA-5 | Good | HA |
| WGWA-6 | Good | HA |
| WGWA-7 | Good | AS |
| WGWA-18 | Good | AS |
| WGWC-8 | Good | AS |
| WGWC-9 | Good | AS |
| WGWC-10 | Good | HA |
| WGWC-11 | Good | HA |
| WGWC-12 | Good | AS |
| WGWC-13 | Good | AS |
| WGWC-14 | Good | AS |
| WGWC-14A | Good | AS |
| WGWC-15 | Good | AS |
| WGWC-16 | Good | AS |
| WGWC-17 | Good | HA |
| WGWC-19 | Good | AS |
| WGWC-20 | Good | AS |
| WGWC-21 | Good | AS |
| WGWC-22 | Good | AS |
| WGWC-23 | Good | AS |
| WGWC-24 | Good | AS |
| WGWC-25 | Good | AS |

Well Repair Form

Staff/Signature:



Date: 2/13/23

| Well ID | Good or Deficiency observed: Notes on repair or needs | Inspected by Initials |
|----------|---|-----------------------|
| WGWC-26D | Good | AS |
| WGWC-27 | Good | AS |
| PZ-1 | Good | HA |
| PZ-4 | Good | HA |
| PZ-6 | Good | HA |
| PZ-8 | Good | HA |
| PZ-10 | Good | HA |
| PZ-11 | Good | HA |
| PZ-12 | Good | HA |
| PZ-15 | Good | AS |
| PZ-16 | Good | HA |
| PZ-17 | Good | HA |
| PZ-18 | Good | HA |
| PZ-20 | Good | AS |
| WAMW-1 | Good | AS |
| WAMW-2 | Good | AS |
| PB-3D | Good | AS |
| PB-3S | Good | AS |
| PB-4D | Good | AS |
| PB-4S | Good | AS |
| PB-5D | Good | AS |
| PB-5S | Good | AS |
| PB-6S | Good | AS |
| PB-6D | Good | AS |
| PB-7 | Good | AS |
| LPZ-1 | Good | HA |

APPENDIX B

Analytical Laboratory Results, Data Validation Reports, and Field Sampling Forms

Appendix B1: Laboratory Analytical Data Packages

Appendix B2: Data Validation Reports

Appendix B3: Field Sampling Forms

APPENDIX B1

Laboratory Analytical Data Packages

 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 3/29/2023 5:06:15 PM

JOB DESCRIPTION

Plant Wansley - Ash Pond

JOB NUMBER

680-230721-2

Eurofins Savannah

Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
3/29/2023 5:06:15 PM

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Qualifiers

Rad

| Qualifier | Qualifier Description |
|-----------|---|
| U | Result is less than the sample detection limit. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Sample Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 680-230721-1 | WAN-WGWA-1 | Water | 02/14/23 10:55 | 02/17/23 06:30 |
| 680-230721-2 | WAN-WGWA-2 | Water | 02/14/23 12:10 | 02/17/23 06:30 |
| 680-230721-3 | WAN-WGWA-3 | Water | 02/14/23 17:10 | 02/17/23 06:30 |
| 680-230721-4 | WAN-WGWA-4 | Water | 02/15/23 10:05 | 02/17/23 06:30 |
| 680-230721-5 | WAN-WGWA-5 | Water | 02/14/23 14:25 | 02/17/23 06:30 |
| 680-230721-6 | WAN-WGWA-6 | Water | 02/14/23 15:53 | 02/17/23 06:30 |
| 680-230721-7 | WAN-WGWA-7 | Water | 02/14/23 15:40 | 02/17/23 06:30 |
| 680-230721-8 | WAN-WGWA-18 | Water | 02/14/23 14:20 | 02/17/23 06:30 |
| 680-230721-9 | WAN-WGWC-15 | Water | 02/15/23 11:15 | 02/17/23 06:30 |
| 680-230721-10 | WAN-WGWC-16 | Water | 02/15/23 12:20 | 02/17/23 06:30 |
| 680-230721-11 | WAN-WGWC-25 | Water | 02/15/23 15:00 | 02/17/23 06:30 |
| 680-230721-12 | WAN-WGWC-22 | Water | 02/15/23 14:40 | 02/17/23 06:30 |
| 680-230721-13 | WAN-WGWC-24 | Water | 02/15/23 13:20 | 02/17/23 06:30 |
| 680-230721-14 | WAN-WGWC-9 | Water | 02/15/23 16:15 | 02/17/23 06:30 |
| 680-230721-15 | WAN-WGWC-23 | Water | 02/15/23 16:15 | 02/17/23 06:30 |
| 680-230721-16 | WAN-AP1-FD-01 | Water | 02/15/23 00:00 | 02/17/23 06:30 |
| 680-230721-17 | WAN-AP1-FB-07 | Water | 02/15/23 13:15 | 02/17/23 06:30 |
| 680-230721-18 | WAN-AP1-EB-01 | Water | 02/15/23 16:30 | 02/17/23 06:30 |



Case Narrative

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Job ID: 680-230721-2

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-230721-2

Receipt

The samples were received on 2/17/2023 6:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.1°C, 2.2°C, 3.5°C and 4.3°C

Gas Flow Proportional Counter

Method 9315_Ra226: Radium-226 batch 601821 Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. WAN-WGWA-7 (680-230721-7), WAN-WGWA-18 (680-230721-8), WAN-WGWC-15 (680-230721-9), WAN-WGWC-16 (680-230721-10), WAN-WGWC-25 (680-230721-11), WAN-WGWC-22 (680-230721-12), WAN-WGWC-24 (680-230721-13), WAN-WGWC-9 (680-230721-14), WAN-WGWC-23 (680-230721-15), WAN-AP1-FD-01 (680-230721-16), WAN-AP1-FB-07 (680-230721-17), WAN-AP1-EB-01 (680-230721-18), (LCS 160-601821/2-A), (MB 160-601821/1-A), (680-230903-A-1-A), (680-230903-A-1-B MS) and (680-230903-A-1-C MSD)

Method 9315_Ra226: Radium-226 batch 601410 Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. WAN-WGWA-1 (680-230721-1), WAN-WGWA-2 (680-230721-2), WAN-WGWA-3 (680-230721-3), WAN-WGWA-4 (680-230721-4), WAN-WGWA-5 (680-230721-5), WAN-WGWA-6 (680-230721-6), (LCS 160-601410/2-A), (MB 160-601410/1-A), (680-230884-D-6-C), (680-230884-E-6-A MS) and (680-230884-D-6-D MSD)

Method 9320_Ra228: Radium-228 batch 601825 Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. WAN-WGWA-7 (680-230721-7), WAN-WGWA-18 (680-230721-8), WAN-WGWC-15 (680-230721-9), WAN-WGWC-16 (680-230721-10), WAN-WGWC-25 (680-230721-11), WAN-WGWC-22 (680-230721-12), WAN-WGWC-24 (680-230721-13), WAN-WGWC-9 (680-230721-14), WAN-WGWC-23 (680-230721-15), WAN-AP1-FD-01 (680-230721-16), WAN-AP1-FB-07 (680-230721-17), WAN-AP1-EB-01 (680-230721-18), (LCS 160-601825/2-A), (MB 160-601825/1-A), (680-230903-A-1-D), (680-230903-A-1-E MS) and (680-230903-A-1-F MSD)

Method 9320_Ra228: Radium-228 prep batch 160-601415: Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. WAN-WGWA-1 (680-230721-1), WAN-WGWA-2 (680-230721-2), WAN-WGWA-3 (680-230721-3), WAN-WGWA-4 (680-230721-4), WAN-WGWA-5 (680-230721-5), WAN-WGWA-6 (680-230721-6), (LCS 160-601415/2-A), (MB 160-601415/1-A), (680-230884-D-6-E), (680-230884-E-6-B MS) and (680-230884-D-6-F MSD)

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

Rad

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

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Client Sample ID: WAN-WGWA-1

Lab Sample ID: 680-230721-1

Date Collected: 02/14/23 10:55

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.0810 | U | 0.0629 | 0.0634 | 1.00 | 0.0910 | pCi/L | 02/23/23 10:44 | 03/17/23 07:36 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 92.9 | | 30 - 110 | | | | | 02/23/23 10:44 | 03/17/23 07:36 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.746 | | 0.335 | 0.341 | 1.00 | 0.437 | pCi/L | 02/23/23 11:08 | 03/02/23 12:05 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 92.9 | | 30 - 110 | | | | | 02/23/23 11:08 | 03/02/23 12:05 | 1 |
| Y Carrier | 90.1 | | 30 - 110 | | | | | 02/23/23 11:08 | 03/02/23 12:05 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.827 | | 0.341 | 0.347 | 2.00 | 0.437 | pCi/L | | 03/29/23 11:56 | 1 |

Client Sample ID: WAN-WGWA-2

Lab Sample ID: 680-230721-2

Date Collected: 02/14/23 12:10

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0239 | U | 0.0621 | 0.0621 | 1.00 | 0.115 | pCi/L | 02/23/23 10:44 | 03/17/23 07:37 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 86.2 | | 30 - 110 | | | | | 02/23/23 10:44 | 03/17/23 07:37 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.397 | U | 0.313 | 0.315 | 1.00 | 0.480 | pCi/L | 02/23/23 11:08 | 03/02/23 12:05 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 86.2 | | 30 - 110 | | | | | 02/23/23 11:08 | 03/02/23 12:05 | 1 |
| Y Carrier | 91.2 | | 30 - 110 | | | | | 02/23/23 11:08 | 03/02/23 12:05 | 1 |

Eurofins Savannah

Client Sample Results

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Client Sample ID: WAN-WGWA-2

Lab Sample ID: 680-230721-2

Date Collected: 02/14/23 12:10

Matrix: Water

Date Received: 02/17/23 06:30

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.421 | U | 0.319 | 0.321 | 2.00 | 0.480 | pCi/L | | 03/29/23 11:56 | 1 |

Client Sample ID: WAN-WGWA-3

Lab Sample ID: 680-230721-3

Date Collected: 02/14/23 17:10

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|--------|-------|-----------------|-----------------|----------------|
| Radium-226 | 0.0668 | U | 0.0619 | 0.0622 | 1.00 | 0.0932 | pCi/L | 02/23/23 10:44 | 03/17/23 07:37 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 79.9 | | 30 - 110 | | | | | 02/23/23 10:44 | 03/17/23 07:37 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|-------|-------|-----------------|-----------------|----------------|
| Radium-228 | 0.538 | | 0.335 | 0.338 | 1.00 | 0.479 | pCi/L | 02/23/23 11:08 | 03/02/23 12:06 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 79.9 | | 30 - 110 | | | | | 02/23/23 11:08 | 03/02/23 12:06 | 1 |
| Y Carrier | 89.3 | | 30 - 110 | | | | | 02/23/23 11:08 | 03/02/23 12:06 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.605 | | 0.341 | 0.344 | 2.00 | 0.479 | pCi/L | | 03/29/23 11:56 | 1 |

Client Sample ID: WAN-WGWA-4

Lab Sample ID: 680-230721-4

Date Collected: 02/15/23 10:05

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|-------|-------|-----------------|-----------------|----------------|
| Radium-226 | 0.670 | | 0.148 | 0.160 | 1.00 | 0.111 | pCi/L | 02/23/23 10:44 | 03/17/23 07:37 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 82.8 | | 30 - 110 | | | | | 02/23/23 10:44 | 03/17/23 07:37 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Client Sample ID: WAN-WGWA-4

Lab Sample ID: 680-230721-4

Date Collected: 02/15/23 10:05

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|-------|-------|-----------------|-----------------|----------------|
| Radium-228 | 0.920 | | 0.404 | 0.413 | 1.00 | 0.537 | pCi/L | 02/23/23 11:08 | 03/02/23 12:08 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 82.8 | | 30 - 110 | | | | | 02/23/23 11:08 | 03/02/23 12:08 | 1 |
| Y Carrier | 91.6 | | 30 - 110 | | | | | 02/23/23 11:08 | 03/02/23 12:08 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 1.59 | | 0.430 | 0.443 | 2.00 | 0.537 | pCi/L | | 03/29/23 11:56 | 1 |

Client Sample ID: WAN-WGWA-5

Lab Sample ID: 680-230721-5

Date Collected: 02/14/23 14:25

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|-------|-------|-----------------|-----------------|----------------|
| Radium-226 | 0.0511 | U | 0.0750 | 0.0751 | 1.00 | 0.128 | pCi/L | 02/23/23 10:44 | 03/17/23 07:37 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 89.8 | | 30 - 110 | | | | | 02/23/23 10:44 | 03/17/23 07:37 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|-------|-------|-----------------|-----------------|----------------|
| Radium-228 | 0.690 | | 0.386 | 0.392 | 1.00 | 0.562 | pCi/L | 02/23/23 11:08 | 03/02/23 12:07 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 89.8 | | 30 - 110 | | | | | 02/23/23 11:08 | 03/02/23 12:07 | 1 |
| Y Carrier | 93.1 | | 30 - 110 | | | | | 02/23/23 11:08 | 03/02/23 12:07 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.741 | | 0.393 | 0.399 | 2.00 | 0.562 | pCi/L | | 03/29/23 11:56 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Client Sample ID: WAN-WGWA-6

Lab Sample ID: 680-230721-6

Date Collected: 02/14/23 15:53

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 3.36 | | 0.288 | 0.418 | 1.00 | 0.101 | pCi/L | 02/23/23 10:44 | 03/17/23 07:41 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 96.0 | | 30 - 110 | | | | | 02/23/23 10:44 | 03/17/23 07:41 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 5.18 | | 0.649 | 0.805 | 1.00 | 0.397 | pCi/L | 02/23/23 11:08 | 03/02/23 12:08 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 96.0 | | 30 - 110 | | | | | 02/23/23 11:08 | 03/02/23 12:08 | 1 |
| Y Carrier | 95.7 | | 30 - 110 | | | | | 02/23/23 11:08 | 03/02/23 12:08 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 8.54 | | 0.710 | 0.907 | 2.00 | 0.397 | pCi/L | | 03/29/23 11:56 | 1 |

Client Sample ID: WAN-WGWA-7

Lab Sample ID: 680-230721-7

Date Collected: 02/14/23 15:40

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.0119 | U | 0.0431 | 0.0431 | 1.00 | 0.0836 | pCi/L | 02/28/23 08:24 | 03/28/23 15:49 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 92.9 | | 30 - 110 | | | | | 02/28/23 08:24 | 03/28/23 15:49 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.0342 | U | 0.281 | 0.281 | 1.00 | 0.534 | pCi/L | 02/28/23 08:47 | 03/08/23 12:04 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 92.9 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:04 | 1 |
| Y Carrier | 86.7 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:04 | 1 |

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Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Client Sample ID: WAN-WGWA-7

Lab Sample ID: 680-230721-7

Date Collected: 02/14/23 15:40

Matrix: Water

Date Received: 02/17/23 06:30

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | -0.0224 | U | 0.284 | 0.284 | 2.00 | 0.534 | pCi/L | | 03/29/23 11:56 | 1 |

Client Sample ID: WAN-WGWA-18

Lab Sample ID: 680-230721-8

Date Collected: 02/14/23 14:20

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|--------|-------|-----------------|-----------------|----------------|
| Radium-226 | 0.127 | | 0.0664 | 0.0674 | 1.00 | 0.0780 | pCi/L | 02/28/23 08:24 | 03/28/23 15:49 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.2 | | 30 - 110 | | | | | 02/28/23 08:24 | 03/28/23 15:49 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|-------|-------|-----------------|-----------------|----------------|
| Radium-228 | 0.626 | | 0.323 | 0.328 | 1.00 | 0.442 | pCi/L | 02/28/23 08:47 | 03/08/23 12:04 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.2 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:04 | 1 |
| Y Carrier | 86.0 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:04 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.753 | | 0.330 | 0.335 | 2.00 | 0.442 | pCi/L | | 03/29/23 11:56 | 1 |

Client Sample ID: WAN-WGWC-15

Lab Sample ID: 680-230721-9

Date Collected: 02/15/23 11:15

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|--------|-------|-----------------|-----------------|----------------|
| Radium-226 | 0.0698 | U | 0.0581 | 0.0585 | 1.00 | 0.0840 | pCi/L | 02/28/23 08:24 | 03/28/23 15:50 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 87.6 | | 30 - 110 | | | | | 02/28/23 08:24 | 03/28/23 15:50 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Client Sample ID: WAN-WGWC-15

Lab Sample ID: 680-230721-9

Date Collected: 02/15/23 11:15

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.0180 | U | 0.266 | 0.266 | 1.00 | 0.500 | pCi/L | 02/28/23 08:47 | 03/08/23 12:04 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 87.6 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:04 | 1 |
| Y Carrier | 85.2 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:04 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.0878 | U | 0.272 | 0.272 | 2.00 | 0.500 | pCi/L | | 03/29/23 11:56 | 1 |

Client Sample ID: WAN-WGWC-16

Lab Sample ID: 680-230721-10

Date Collected: 02/15/23 12:20

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.119 | | 0.0711 | 0.0719 | 1.00 | 0.0937 | pCi/L | 02/28/23 08:24 | 03/28/23 15:50 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 94.6 | | 30 - 110 | | | | | 02/28/23 08:24 | 03/28/23 15:50 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.615 | | 0.371 | 0.375 | 1.00 | 0.545 | pCi/L | 02/28/23 08:47 | 03/08/23 12:04 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 94.6 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:04 | 1 |
| Y Carrier | 86.0 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:04 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.734 | | 0.378 | 0.382 | 2.00 | 0.545 | pCi/L | | 03/29/23 11:56 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Client Sample ID: WAN-WGWC-25

Lab Sample ID: 680-230721-11

Date Collected: 02/15/23 15:00

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.173 | | 0.0737 | 0.0753 | 1.00 | 0.0760 | pCi/L | 02/28/23 08:24 | 03/28/23 15:50 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 95.8 | | 30 - 110 | | | | | 02/28/23 08:24 | 03/28/23 15:50 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.700 | | 0.341 | 0.347 | 1.00 | 0.459 | pCi/L | 02/28/23 08:47 | 03/08/23 12:05 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 95.8 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:05 | 1 |
| Y Carrier | 82.6 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:05 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.873 | | 0.349 | 0.355 | 2.00 | 0.459 | pCi/L | | 03/29/23 11:56 | 1 |

Client Sample ID: WAN-WGWC-22

Lab Sample ID: 680-230721-12

Date Collected: 02/15/23 14:40

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 2.42 | | 0.256 | 0.336 | 1.00 | 0.0895 | pCi/L | 02/28/23 08:24 | 03/28/23 15:55 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 88.7 | | 30 - 110 | | | | | 02/28/23 08:24 | 03/28/23 15:55 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 3.56 | | 0.631 | 0.711 | 1.00 | 0.512 | pCi/L | 02/28/23 08:47 | 03/08/23 12:05 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 88.7 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:05 | 1 |
| Y Carrier | 83.0 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:05 | 1 |

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Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Client Sample ID: WAN-WGWC-22

Lab Sample ID: 680-230721-12

Date Collected: 02/15/23 14:40

Matrix: Water

Date Received: 02/17/23 06:30

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 5.98 | | 0.681 | 0.786 | 2.00 | 0.512 | pCi/L | | 03/29/23 11:56 | 1 |

Client Sample ID: WAN-WGWC-24

Lab Sample ID: 680-230721-13

Date Collected: 02/15/23 13:20

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.164 | | 0.0883 | 0.0895 | 1.00 | 0.114 | pCi/L | 02/28/23 08:24 | 03/28/23 15:55 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 81.6 | | 30 - 110 | | | | | 02/28/23 08:24 | 03/28/23 15:55 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.811 | | 0.384 | 0.392 | 1.00 | 0.504 | pCi/L | 02/28/23 08:47 | 03/08/23 12:05 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 81.6 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:05 | 1 |
| Y Carrier | 83.0 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:05 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.974 | | 0.394 | 0.402 | 2.00 | 0.504 | pCi/L | | 03/29/23 11:56 | 1 |

Client Sample ID: WAN-WGWC-9

Lab Sample ID: 680-230721-14

Date Collected: 02/15/23 16:15

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0261 | U | 0.0652 | 0.0653 | 1.00 | 0.118 | pCi/L | 02/28/23 08:24 | 03/28/23 15:55 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 89.3 | | 30 - 110 | | | | | 02/28/23 08:24 | 03/28/23 15:55 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Client Sample ID: WAN-WGWC-9

Lab Sample ID: 680-230721-14

Date Collected: 02/15/23 16:15

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.0152 | U | 0.258 | 0.258 | 1.00 | 0.493 | pCi/L | 02/28/23 08:47 | 03/08/23 11:52 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 89.3 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 11:52 | 1 |
| Y Carrier | 84.1 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 11:52 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.0109 | U | 0.266 | 0.266 | 2.00 | 0.493 | pCi/L | | 03/29/23 11:56 | 1 |

Client Sample ID: WAN-WGWC-23

Lab Sample ID: 680-230721-15

Date Collected: 02/15/23 16:15

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.174 | | 0.0867 | 0.0881 | 1.00 | 0.106 | pCi/L | 02/28/23 08:24 | 03/28/23 15:55 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 85.9 | | 30 - 110 | | | | | 02/28/23 08:24 | 03/28/23 15:55 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.811 | | 0.420 | 0.426 | 1.00 | 0.587 | pCi/L | 02/28/23 08:47 | 03/08/23 12:05 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 85.9 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:05 | 1 |
| Y Carrier | 82.6 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:05 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.985 | | 0.429 | 0.435 | 2.00 | 0.587 | pCi/L | | 03/29/23 11:56 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Client Sample ID: WAN-AP1-FD-01

Lab Sample ID: 680-230721-16

Date Collected: 02/15/23 00:00

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0806 | U | 0.0713 | 0.0717 | 1.00 | 0.109 | pCi/L | 02/28/23 08:24 | 03/28/23 15:55 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 89.5 | | 30 - 110 | | | | | 02/28/23 08:24 | 03/28/23 15:55 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.462 | U | 0.339 | 0.342 | 1.00 | 0.510 | pCi/L | 02/28/23 08:47 | 03/08/23 12:05 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 89.5 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:05 | 1 |
| Y Carrier | 77.8 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:05 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.543 | | 0.346 | 0.349 | 2.00 | 0.510 | pCi/L | | 03/29/23 11:56 | 1 |

Client Sample ID: WAN-AP1-FB-07

Lab Sample ID: 680-230721-17

Date Collected: 02/15/23 13:15

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | -0.0519 | U | 0.0451 | 0.0454 | 1.00 | 0.118 | pCi/L | 02/28/23 08:24 | 03/28/23 15:55 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 84.2 | | 30 - 110 | | | | | 02/28/23 08:24 | 03/28/23 15:55 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.103 | U | 0.318 | 0.318 | 1.00 | 0.570 | pCi/L | 02/28/23 08:47 | 03/08/23 12:05 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 84.2 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:05 | 1 |
| Y Carrier | 82.2 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:05 | 1 |

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Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Client Sample ID: WAN-AP1-FB-07

Lab Sample ID: 680-230721-17

Date Collected: 02/15/23 13:15

Matrix: Water

Date Received: 02/17/23 06:30

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.0507 | U | 0.321 | 0.321 | 2.00 | 0.570 | pCi/L | | 03/29/23 11:56 | 1 |

Client Sample ID: WAN-AP1-EB-01

Lab Sample ID: 680-230721-18

Date Collected: 02/15/23 16:30

Matrix: Water

Date Received: 02/17/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|--------|-------|-----------------|-----------------|----------------|
| Radium-226 | 0.00410 | U | 0.0474 | 0.0474 | 1.00 | 0.0965 | pCi/L | 02/28/23 08:24 | 03/28/23 15:55 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 85.0 | | 30 - 110 | | | | | 02/28/23 08:24 | 03/28/23 15:55 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|-------|-------|-----------------|-----------------|----------------|
| Radium-228 | 0.343 | U | 0.356 | 0.358 | 1.00 | 0.576 | pCi/L | 02/28/23 08:47 | 03/08/23 12:05 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 85.0 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:05 | 1 |
| Y Carrier | 83.4 | | 30 - 110 | | | | | 02/28/23 08:47 | 03/08/23 12:05 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.348 | U | 0.359 | 0.361 | 2.00 | 0.576 | pCi/L | | 03/29/23 11:56 | 1 |

Tracer/Carrier Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Method: 9315 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

| | | Percent Yield (Acceptance Limits) | |
|----------------------|------------------------|-----------------------------------|--|
| Lab Sample ID | Client Sample ID | Ba (30-110) | |
| 680-230721-1 | WAN-WGWA-1 | 92.9 | |
| 680-230721-2 | WAN-WGWA-2 | 86.2 | |
| 680-230721-3 | WAN-WGWA-3 | 79.9 | |
| 680-230721-4 | WAN-WGWA-4 | 82.8 | |
| 680-230721-5 | WAN-WGWA-5 | 89.8 | |
| 680-230721-6 | WAN-WGWA-6 | 96.0 | |
| 680-230721-7 | WAN-WGWA-7 | 92.9 | |
| 680-230721-8 | WAN-WGWA-18 | 97.2 | |
| 680-230721-9 | WAN-WGWC-15 | 87.6 | |
| 680-230721-10 | WAN-WGWC-16 | 94.6 | |
| 680-230721-11 | WAN-WGWC-25 | 95.8 | |
| 680-230721-12 | WAN-WGWC-22 | 88.7 | |
| 680-230721-13 | WAN-WGWC-24 | 81.6 | |
| 680-230721-14 | WAN-WGWC-9 | 89.3 | |
| 680-230721-15 | WAN-WGWC-23 | 85.9 | |
| 680-230721-16 | WAN-AP1-FD-01 | 89.5 | |
| 680-230721-17 | WAN-AP1-FB-07 | 84.2 | |
| 680-230721-18 | WAN-AP1-EB-01 | 85.0 | |
| 680-230903-A-1-B MS | Matrix Spike | 94.6 | |
| 680-230903-A-1-C MSD | Matrix Spike Duplicate | 92.4 | |
| LCS 160-601410/2-A | Lab Control Sample | 91.2 | |
| LCS 160-601821/2-A | Lab Control Sample | 93.5 | |
| MB 160-601410/1-A | Method Blank | 91.2 | |
| MB 160-601821/1-A | Method Blank | 90.7 | |

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 9315 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Dissolved

| | | Percent Yield (Acceptance Limits) | |
|----------------------|------------------------|-----------------------------------|--|
| Lab Sample ID | Client Sample ID | Ba (30-110) | |
| 680-230884-D-6-D MSD | Matrix Spike Duplicate | 84.5 | |
| 680-230884-E-6-A MS | Matrix Spike | 81.1 | |

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 9320 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

| | | Percent Yield (Acceptance Limits) | |
|---------------|------------------|-----------------------------------|---------------|
| Lab Sample ID | Client Sample ID | Ba (30-110) | Y (30-110) |
| 680-230721-1 | WAN-WGWA-1 | 92.9 | 90.1 |
| 680-230721-2 | WAN-WGWA-2 | 86.2 | 91.2 |
| 680-230721-3 | WAN-WGWA-3 | 79.9 | 89.3 |
| 680-230721-4 | WAN-WGWA-4 | 82.8 | 91.6 |
| 680-230721-5 | WAN-WGWA-5 | 89.8 | 93.1 |

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Tracer/Carrier Summary

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Method: 9320 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Yield (Acceptance Limits) | |
|----------------------|------------------------|-----------------------------------|---------------|
| | | Ba (30-110) | Y (30-110) |
| 680-230721-6 | WAN-WGWA-6 | 96.0 | 95.7 |
| 680-230721-7 | WAN-WGWA-7 | 92.9 | 86.7 |
| 680-230721-8 | WAN-WGWA-18 | 97.2 | 86.0 |
| 680-230721-9 | WAN-WGWC-15 | 87.6 | 85.2 |
| 680-230721-10 | WAN-WGWC-16 | 94.6 | 86.0 |
| 680-230721-11 | WAN-WGWC-25 | 95.8 | 82.6 |
| 680-230721-12 | WAN-WGWC-22 | 88.7 | 83.0 |
| 680-230721-13 | WAN-WGWC-24 | 81.6 | 83.0 |
| 680-230721-14 | WAN-WGWC-9 | 89.3 | 84.1 |
| 680-230721-15 | WAN-WGWC-23 | 85.9 | 82.6 |
| 680-230721-16 | WAN-AP1-FD-01 | 89.5 | 77.8 |
| 680-230721-17 | WAN-AP1-FB-07 | 84.2 | 82.2 |
| 680-230721-18 | WAN-AP1-EB-01 | 85.0 | 83.4 |
| 680-230903-A-1-E MS | Matrix Spike | 94.6 | 87.1 |
| 680-230903-A-1-F MSD | Matrix Spike Duplicate | 92.4 | 82.2 |
| LCS 160-601415/2-A | Lab Control Sample | 91.2 | 91.6 |
| LCS 160-601825/2-A | Lab Control Sample | 93.5 | 81.5 |
| MB 160-601415/1-A | Method Blank | 91.2 | 92.3 |
| MB 160-601825/1-A | Method Blank | 90.7 | 83.0 |

Tracer/Carrier Legend

Ba = Ba Carrier
 Y = Y Carrier

Method: 9320 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Dissolved

| Lab Sample ID | Client Sample ID | Percent Yield (Acceptance Limits) | |
|----------------------|------------------------|-----------------------------------|---------------|
| | | Ba (30-110) | Y (30-110) |
| 680-230884-D-6-F MSD | Matrix Spike Duplicate | 84.5 | 90.5 |
| 680-230884-E-6-B MS | Matrix Spike | 81.1 | 88.2 |

Tracer/Carrier Legend

Ba = Ba Carrier
 Y = Y Carrier

QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-601410/1-A
Matrix: Water
Analysis Batch: 604013

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601410

| Analyte | MB | | Count | Total | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|-----------------|-----------------|----------------|----------------|---------|----------------|----------------|---------|
| | Result | MB Qualifier | Uncert. (2σ+/-) | Uncert. (2σ+/-) | | | | | | |
| Radium-226 | -0.01952 | U | 0.0313 | 0.0314 | 1.00 | 0.0830 | pCi/L | 02/23/23 10:44 | 03/17/23 07:17 | 1 |
| Carrier | MB %Yield | MB Qualifier | Limits | | Prepared | Analyzed | Dil Fac | | | |
| Ba Carrier | 91.2 | | 30 - 110 | | 02/23/23 10:44 | 03/17/23 07:17 | 1 | | | |

Lab Sample ID: LCS 160-601410/2-A
Matrix: Water
Analysis Batch: 604463

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601410

| Analyte | Spike Added | LCS Result | LCS Qual | Total | RL | MDC | Unit | %Rec | %Rec Limits |
|------------|-------------|---------------|----------|-----------------|------|-------|-------|------|-------------|
| | | | | Uncert. (2σ+/-) | | | | | |
| Radium-226 | 11.3 | 12.46 | | 1.25 | 1.00 | 0.101 | pCi/L | 110 | 75 - 125 |
| Carrier | LCS %Yield | LCS Qualifier | Limits | | | | | | |
| Ba Carrier | 91.2 | | 30 - 110 | | | | | | |

Lab Sample ID: MB 160-601821/1-A
Matrix: Water
Analysis Batch: 605256

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601821

| Analyte | MB | | Count | Total | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|-----------------|-----------------|----------------|----------------|---------|----------------|----------------|---------|
| | Result | MB Qualifier | Uncert. (2σ+/-) | Uncert. (2σ+/-) | | | | | | |
| Radium-226 | 0.02216 | U | 0.0434 | 0.0435 | 1.00 | 0.0788 | pCi/L | 02/28/23 08:24 | 03/28/23 15:47 | 1 |
| Carrier | MB %Yield | MB Qualifier | Limits | | Prepared | Analyzed | Dil Fac | | | |
| Ba Carrier | 90.7 | | 30 - 110 | | 02/28/23 08:24 | 03/28/23 15:47 | 1 | | | |

Lab Sample ID: LCS 160-601821/2-A
Matrix: Water
Analysis Batch: 605256

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601821

| Analyte | Spike Added | LCS Result | LCS Qual | Total | RL | MDC | Unit | %Rec | %Rec Limits |
|------------|-------------|---------------|----------|-----------------|------|-------|-------|------|-------------|
| | | | | Uncert. (2σ+/-) | | | | | |
| Radium-226 | 11.3 | 11.64 | | 1.18 | 1.00 | 0.121 | pCi/L | 103 | 75 - 125 |
| Carrier | LCS %Yield | LCS Qualifier | Limits | | | | | | |
| Ba Carrier | 93.5 | | 30 - 110 | | | | | | |

Lab Sample ID: 680-230903-A-1-B MS
Matrix: Water
Analysis Batch: 605258

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 601821

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total | RL | MDC | Unit | %Rec | %Rec Limits |
|------------|---------------|-------------|-------------|-----------|---------|-----------------|------|--------|-------|------|-------------|
| | | | | | | Uncert. (2σ+/-) | | | | | |
| Radium-226 | 0.552 | | 11.3 | 11.16 | | 1.13 | 1.00 | 0.0836 | pCi/L | 93 | 60 - 140 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 680-230903-A-1-B MS
Matrix: Water
Analysis Batch: 605258

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 601821

| | <i>MS</i> | <i>MS</i> | |
|----------------|---------------|------------------|---------------|
| <i>Carrier</i> | <i>%Yield</i> | <i>Qualifier</i> | <i>Limits</i> |
| Ba Carrier | 94.6 | | 30 - 110 |

Lab Sample ID: 680-230903-A-1-C MSD
Matrix: Water
Analysis Batch: 605258

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 601821

| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec | | RER |
|------------|---------------|-------------|-------------|------------|----------|-----------------------|------|-------|-------|------|----------|------|-----|
| | | | | | | | | | | | Limits | RER | |
| Radium-226 | 0.552 | | 11.4 | 12.51 | | 1.27 | 1.00 | 0.119 | pCi/L | 105 | 60 - 140 | 0.56 | 1 |

| | <i>MSD</i> | <i>MSD</i> | |
|----------------|---------------|------------------|---------------|
| <i>Carrier</i> | <i>%Yield</i> | <i>Qualifier</i> | <i>Limits</i> |
| Ba Carrier | 92.4 | | 30 - 110 |

Lab Sample ID: 680-230884-D-6-D MSD
Matrix: Water
Analysis Batch: 604030

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 601410

| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec | | RER |
|------------|---------------|-------------|-------------|------------|----------|-----------------------|------|--------|-------|------|----------|------|-----|
| | | | | | | | | | | | Limits | RER | |
| Radium-226 | 0.0445 | U | 11.4 | 12.21 | | 1.25 | 1.00 | 0.0962 | pCi/L | 107 | 60 - 140 | 0.35 | 1 |

| | <i>MSD</i> | <i>MSD</i> | |
|----------------|---------------|------------------|---------------|
| <i>Carrier</i> | <i>%Yield</i> | <i>Qualifier</i> | <i>Limits</i> |
| Ba Carrier | 84.5 | | 30 - 110 |

Lab Sample ID: 680-230884-E-6-A MS
Matrix: Water
Analysis Batch: 604030

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 601410

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec | | RER |
|------------|---------------|-------------|-------------|-----------|---------|-----------------------|------|--------|-------|------|----------|-----|-----|
| | | | | | | | | | | | Limits | RER | |
| Radium-226 | 0.0445 | U | 11.2 | 11.36 | | 1.17 | 1.00 | 0.0971 | pCi/L | 101 | 60 - 140 | | |

| | <i>MS</i> | <i>MS</i> | |
|----------------|---------------|------------------|---------------|
| <i>Carrier</i> | <i>%Yield</i> | <i>Qualifier</i> | <i>Limits</i> |
| Ba Carrier | 81.1 | | 30 - 110 |

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-601415/1-A
Matrix: Water
Analysis Batch: 602181

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601415

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----------------------|-----------------------|----|-----|------|----------|----------|---------|
| | | | | | | | | | | |

| | <i>MB</i> | <i>MB</i> | |
|----------------|---------------|------------------|---------------|
| <i>Carrier</i> | <i>%Yield</i> | <i>Qualifier</i> | <i>Limits</i> |
| Ba Carrier | 91.2 | | 30 - 110 |

| | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|--|-----------------|-----------------|----------------|
| | 02/23/23 11:08 | 03/02/23 11:56 | 1 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-601415/1-A
Matrix: Water
Analysis Batch: 602181

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601415

| Carrier | MB %Yield | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|----------|----------------|----------------|---------|
| Y Carrier | 92.3 | | 30 - 110 | 02/23/23 11:08 | 03/02/23 11:56 | 1 |

Lab Sample ID: LCS 160-601415/2-A
Matrix: Water
Analysis Batch: 602181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601415

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|------------|-------------|------------|----------|-----------------------|------|-------|-------|------|-------------|
| Radium-228 | 8.15 | 8.705 | | 1.18 | 1.00 | 0.437 | pCi/L | 107 | 75 - 125 |

| Carrier | LCS %Yield | LCS Qualifier | Limits |
|------------|------------|---------------|----------|
| Ba Carrier | 91.2 | | 30 - 110 |
| Y Carrier | 91.6 | | 30 - 110 |

Lab Sample ID: MB 160-601825/1-A
Matrix: Water
Analysis Batch: 602825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601825

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|-----------------------|-----------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.006430 | U | 0.298 | 0.298 | 1.00 | 0.557 | pCi/L | 02/28/23 08:47 | 03/08/23 11:55 | 1 |

| Carrier | MB %Yield | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|----------|----------------|----------------|---------|
| Ba Carrier | 90.7 | | 30 - 110 | 02/28/23 08:47 | 03/08/23 11:55 | 1 |
| Y Carrier | 83.0 | | 30 - 110 | 02/28/23 08:47 | 03/08/23 11:55 | 1 |

Lab Sample ID: LCS 160-601825/2-A
Matrix: Water
Analysis Batch: 602825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601825

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|------------|-------------|------------|----------|-----------------------|------|-------|-------|------|-------------|
| Radium-228 | 8.13 | 8.894 | | 1.22 | 1.00 | 0.433 | pCi/L | 109 | 75 - 125 |

| Carrier | LCS %Yield | LCS Qualifier | Limits |
|------------|------------|---------------|----------|
| Ba Carrier | 93.5 | | 30 - 110 |
| Y Carrier | 81.5 | | 30 - 110 |

Lab Sample ID: 680-230903-A-1-E MS
Matrix: Water
Analysis Batch: 602860

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 601825

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|------------|---------------|-------------|-------------|-----------|---------|-----------------------|------|-------|-------|------|-------------|
| Radium-228 | 3.33 | | 8.14 | 11.67 | | 1.49 | 1.00 | 0.571 | pCi/L | 102 | 60 - 140 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 680-230903-A-1-E MS
Matrix: Water
Analysis Batch: 602860

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 601825

| | <i>MS</i> | <i>MS</i> | |
|----------------|---------------|------------------|---------------|
| <i>Carrier</i> | <i>%Yield</i> | <i>Qualifier</i> | <i>Limits</i> |
| Ba Carrier | 94.6 | | 30 - 110 |
| Y Carrier | 87.1 | | 30 - 110 |

Lab Sample ID: 680-230903-A-1-F MSD
Matrix: Water
Analysis Batch: 602860

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 601825

| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec | | RER | Limit |
|------------|---------------|-------------|-------------|------------|----------|-----------------------|------|-------|-------|------|----------|------|-----|-------|
| | | | | | | | | | | | Limits | RER | | |
| Radium-228 | 3.33 | | 8.15 | 14.42 | | 1.76 | 1.00 | 0.482 | pCi/L | 136 | 60 - 140 | 0.85 | 1 | |

| | <i>MSD</i> | <i>MSD</i> | |
|----------------|---------------|------------------|---------------|
| <i>Carrier</i> | <i>%Yield</i> | <i>Qualifier</i> | <i>Limits</i> |
| Ba Carrier | 92.4 | | 30 - 110 |
| Y Carrier | 82.2 | | 30 - 110 |

Lab Sample ID: 680-230884-D-6-F MSD
Matrix: Water
Analysis Batch: 602182

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 601415

| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec | | RER | Limit |
|------------|---------------|-------------|-------------|------------|----------|-----------------------|------|-------|-------|------|----------|------|-----|-------|
| | | | | | | | | | | | Limits | RER | | |
| Radium-228 | 0.201 | U | 8.18 | 9.301 | | 1.27 | 1.00 | 0.512 | pCi/L | 111 | 60 - 140 | 0.07 | 1 | |

| | <i>MSD</i> | <i>MSD</i> | |
|----------------|---------------|------------------|---------------|
| <i>Carrier</i> | <i>%Yield</i> | <i>Qualifier</i> | <i>Limits</i> |
| Ba Carrier | 84.5 | | 30 - 110 |
| Y Carrier | 90.5 | | 30 - 110 |

Lab Sample ID: 680-230884-E-6-B MS
Matrix: Water
Analysis Batch: 602182

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 601415

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec | | RER | Limit |
|------------|---------------|-------------|-------------|-----------|---------|-----------------------|------|-------|-------|------|----------|-----|-----|-------|
| | | | | | | | | | | | Limits | RER | | |
| Radium-228 | 0.201 | U | 8.07 | 9.490 | | 1.31 | 1.00 | 0.563 | pCi/L | 115 | 60 - 140 | | | |

| | <i>MS</i> | <i>MS</i> | |
|----------------|---------------|------------------|---------------|
| <i>Carrier</i> | <i>%Yield</i> | <i>Qualifier</i> | <i>Limits</i> |
| Ba Carrier | 81.1 | | 30 - 110 |
| Y Carrier | 88.2 | | 30 - 110 |

QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Rad

Prep Batch: 601410

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|------------|------------|
| 680-230721-1 | WAN-WGWA-1 | Total/NA | Water | PrecSep-21 | |
| 680-230721-2 | WAN-WGWA-2 | Total/NA | Water | PrecSep-21 | |
| 680-230721-3 | WAN-WGWA-3 | Total/NA | Water | PrecSep-21 | |
| 680-230721-4 | WAN-WGWA-4 | Total/NA | Water | PrecSep-21 | |
| 680-230721-5 | WAN-WGWA-5 | Total/NA | Water | PrecSep-21 | |
| 680-230721-6 | WAN-WGWA-6 | Total/NA | Water | PrecSep-21 | |
| MB 160-601410/1-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-601410/2-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 680-230884-D-6-D MSD | Matrix Spike Duplicate | Dissolved | Water | PrecSep-21 | |
| 680-230884-E-6-A MS | Matrix Spike | Dissolved | Water | PrecSep-21 | |

Prep Batch: 601415

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|-----------|------------|
| 680-230721-1 | WAN-WGWA-1 | Total/NA | Water | PrecSep_0 | |
| 680-230721-2 | WAN-WGWA-2 | Total/NA | Water | PrecSep_0 | |
| 680-230721-3 | WAN-WGWA-3 | Total/NA | Water | PrecSep_0 | |
| 680-230721-4 | WAN-WGWA-4 | Total/NA | Water | PrecSep_0 | |
| 680-230721-5 | WAN-WGWA-5 | Total/NA | Water | PrecSep_0 | |
| 680-230721-6 | WAN-WGWA-6 | Total/NA | Water | PrecSep_0 | |
| MB 160-601415/1-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-601415/2-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 680-230884-D-6-F MSD | Matrix Spike Duplicate | Dissolved | Water | PrecSep_0 | |
| 680-230884-E-6-B MS | Matrix Spike | Dissolved | Water | PrecSep_0 | |

Prep Batch: 601821

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|------------|------------|
| 680-230721-7 | WAN-WGWA-7 | Total/NA | Water | PrecSep-21 | |
| 680-230721-8 | WAN-WGWA-18 | Total/NA | Water | PrecSep-21 | |
| 680-230721-9 | WAN-WGWC-15 | Total/NA | Water | PrecSep-21 | |
| 680-230721-10 | WAN-WGWC-16 | Total/NA | Water | PrecSep-21 | |
| 680-230721-11 | WAN-WGWC-25 | Total/NA | Water | PrecSep-21 | |
| 680-230721-12 | WAN-WGWC-22 | Total/NA | Water | PrecSep-21 | |
| 680-230721-13 | WAN-WGWC-24 | Total/NA | Water | PrecSep-21 | |
| 680-230721-14 | WAN-WGWC-9 | Total/NA | Water | PrecSep-21 | |
| 680-230721-15 | WAN-WGWC-23 | Total/NA | Water | PrecSep-21 | |
| 680-230721-16 | WAN-AP1-FD-01 | Total/NA | Water | PrecSep-21 | |
| 680-230721-17 | WAN-AP1-FB-07 | Total/NA | Water | PrecSep-21 | |
| 680-230721-18 | WAN-AP1-EB-01 | Total/NA | Water | PrecSep-21 | |
| MB 160-601821/1-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-601821/2-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 680-230903-A-1-B MS | Matrix Spike | Total/NA | Water | PrecSep-21 | |
| 680-230903-A-1-C MSD | Matrix Spike Duplicate | Total/NA | Water | PrecSep-21 | |

Prep Batch: 601825

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|-----------|------------|
| 680-230721-7 | WAN-WGWA-7 | Total/NA | Water | PrecSep_0 | |
| 680-230721-8 | WAN-WGWA-18 | Total/NA | Water | PrecSep_0 | |
| 680-230721-9 | WAN-WGWC-15 | Total/NA | Water | PrecSep_0 | |
| 680-230721-10 | WAN-WGWC-16 | Total/NA | Water | PrecSep_0 | |
| 680-230721-11 | WAN-WGWC-25 | Total/NA | Water | PrecSep_0 | |
| 680-230721-12 | WAN-WGWC-22 | Total/NA | Water | PrecSep_0 | |

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QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Rad (Continued)

Prep Batch: 601825 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|-----------|------------|
| 680-230721-13 | WAN-WGWC-24 | Total/NA | Water | PrecSep_0 | |
| 680-230721-14 | WAN-WGWC-9 | Total/NA | Water | PrecSep_0 | |
| 680-230721-15 | WAN-WGWC-23 | Total/NA | Water | PrecSep_0 | |
| 680-230721-16 | WAN-AP1-FD-01 | Total/NA | Water | PrecSep_0 | |
| 680-230721-17 | WAN-AP1-FB-07 | Total/NA | Water | PrecSep_0 | |
| 680-230721-18 | WAN-AP1-EB-01 | Total/NA | Water | PrecSep_0 | |
| MB 160-601825/1-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-601825/2-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 680-230903-A-1-E MS | Matrix Spike | Total/NA | Water | PrecSep_0 | |
| 680-230903-A-1-F MSD | Matrix Spike Duplicate | Total/NA | Water | PrecSep_0 | |

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Client Sample ID: WAN-WGWA-1

Lab Sample ID: 680-230721-1

Date Collected: 02/14/23 10:55

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 1005.20 mL | 1.0 g | 601410 | 02/23/23 10:44 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 604030 | 03/17/23 07:36 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 1005.20 mL | 1.0 g | 601415 | 02/23/23 11:08 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 602182 | 03/02/23 12:05 | EMH | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWA-2

Lab Sample ID: 680-230721-2

Date Collected: 02/14/23 12:10

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 1001.52 mL | 1.0 g | 601410 | 02/23/23 10:44 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 604030 | 03/17/23 07:37 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 1001.52 mL | 1.0 g | 601415 | 02/23/23 11:08 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 602182 | 03/02/23 12:05 | EMH | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWA-3

Lab Sample ID: 680-230721-3

Date Collected: 02/14/23 17:10

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 1000.83 mL | 1.0 g | 601410 | 02/23/23 10:44 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 604030 | 03/17/23 07:37 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 1000.83 mL | 1.0 g | 601415 | 02/23/23 11:08 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 602182 | 03/02/23 12:06 | EMH | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWA-4

Lab Sample ID: 680-230721-4

Date Collected: 02/15/23 10:05

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 1007.86 mL | 1.0 g | 601410 | 02/23/23 10:44 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 604030 | 03/17/23 07:37 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |

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Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Client Sample ID: WAN-WGWA-4
Date Collected: 02/15/23 10:05
Date Received: 02/17/23 06:30

Lab Sample ID: 680-230721-4
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep_0 | | | 1007.86 mL | 1.0 g | 601415 | 02/23/23 11:08 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 602182 | 03/02/23 12:08 | EMH | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWA-5
Date Collected: 02/14/23 14:25
Date Received: 02/17/23 06:30

Lab Sample ID: 680-230721-5
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 1004.43 mL | 1.0 g | 601410 | 02/23/23 10:44 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 604030 | 03/17/23 07:37 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 1004.43 mL | 1.0 g | 601415 | 02/23/23 11:08 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 602182 | 03/02/23 12:07 | EMH | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWA-6
Date Collected: 02/14/23 15:53
Date Received: 02/17/23 06:30

Lab Sample ID: 680-230721-6
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 1009.38 mL | 1.0 g | 601410 | 02/23/23 10:44 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 603986 | 03/17/23 07:41 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 1009.38 mL | 1.0 g | 601415 | 02/23/23 11:08 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 602182 | 03/02/23 12:08 | EMH | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWA-7
Date Collected: 02/14/23 15:40
Date Received: 02/17/23 06:30

Lab Sample ID: 680-230721-7
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 993.35 mL | 1.0 g | 601821 | 02/28/23 08:24 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605256 | 03/28/23 15:49 | FLC | EET SL |
| Instrument ID: GFPCRED | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 993.35 mL | 1.0 g | 601825 | 02/28/23 08:47 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 602860 | 03/08/23 12:04 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |

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Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Client Sample ID: WAN-WGWA-7
Date Collected: 02/14/23 15:40
Date Received: 02/17/23 06:30

Lab Sample ID: 680-230721-7
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |

Client Sample ID: WAN-WGWA-18
Date Collected: 02/14/23 14:20
Date Received: 02/17/23 06:30

Lab Sample ID: 680-230721-8
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 991.10 mL | 1.0 g | 601821 | 02/28/23 08:24 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605256 | 03/28/23 15:49 | FLC | EET SL |
| Instrument ID: GFPCRED | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 991.10 mL | 1.0 g | 601825 | 02/28/23 08:47 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 602860 | 03/08/23 12:04 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWC-15
Date Collected: 02/15/23 11:15
Date Received: 02/17/23 06:30

Lab Sample ID: 680-230721-9
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 995.17 mL | 1.0 g | 601821 | 02/28/23 08:24 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605256 | 03/28/23 15:50 | FLC | EET SL |
| Instrument ID: GFPCRED | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 995.17 mL | 1.0 g | 601825 | 02/28/23 08:47 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 602860 | 03/08/23 12:04 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWC-16
Date Collected: 02/15/23 12:20
Date Received: 02/17/23 06:30

Lab Sample ID: 680-230721-10
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 994.76 mL | 1.0 g | 601821 | 02/28/23 08:24 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605256 | 03/28/23 15:50 | FLC | EET SL |
| Instrument ID: GFPCRED | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 994.76 mL | 1.0 g | 601825 | 02/28/23 08:47 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 602860 | 03/08/23 12:04 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Client Sample ID: WAN-WGWC-25

Lab Sample ID: 680-230721-11

Date Collected: 02/15/23 15:00

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 1009.36 mL | 1.0 g | 601821 | 02/28/23 08:24 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605256 | 03/28/23 15:50 | FLC | EET SL |
| Instrument ID: GFPCRED | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 1009.36 mL | 1.0 g | 601825 | 02/28/23 08:47 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 602860 | 03/08/23 12:05 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWC-22

Lab Sample ID: 680-230721-12

Date Collected: 02/15/23 14:40

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 998.66 mL | 1.0 g | 601821 | 02/28/23 08:24 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605258 | 03/28/23 15:55 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 998.66 mL | 1.0 g | 601825 | 02/28/23 08:47 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 602860 | 03/08/23 12:05 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWC-24

Lab Sample ID: 680-230721-13

Date Collected: 02/15/23 13:20

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 1000.20 mL | 1.0 g | 601821 | 02/28/23 08:24 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605258 | 03/28/23 15:55 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 1000.20 mL | 1.0 g | 601825 | 02/28/23 08:47 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 602860 | 03/08/23 12:05 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWC-9

Lab Sample ID: 680-230721-14

Date Collected: 02/15/23 16:15

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 1003.40 mL | 1.0 g | 601821 | 02/28/23 08:24 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605258 | 03/28/23 15:55 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |

Eurofins Savannah

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Client Sample ID: WAN-WGWC-9

Lab Sample ID: 680-230721-14

Date Collected: 02/15/23 16:15

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep_0 | | | 1003.40 mL | 1.0 g | 601825 | 02/28/23 08:47 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 602861 | 03/08/23 11:52 | FLC | EET SL |
| Instrument ID: GFPCORANGE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWC-23

Lab Sample ID: 680-230721-15

Date Collected: 02/15/23 16:15

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 991.24 mL | 1.0 g | 601821 | 02/28/23 08:24 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605258 | 03/28/23 15:55 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 991.24 mL | 1.0 g | 601825 | 02/28/23 08:47 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 602860 | 03/08/23 12:05 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-AP1-FD-01

Lab Sample ID: 680-230721-16

Date Collected: 02/15/23 00:00

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 996.74 mL | 1.0 g | 601821 | 02/28/23 08:24 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605258 | 03/28/23 15:55 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 996.74 mL | 1.0 g | 601825 | 02/28/23 08:47 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 602860 | 03/08/23 12:05 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-AP1-FB-07

Lab Sample ID: 680-230721-17

Date Collected: 02/15/23 13:15

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 1000.66 mL | 1.0 g | 601821 | 02/28/23 08:24 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605258 | 03/28/23 15:55 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 1000.66 mL | 1.0 g | 601825 | 02/28/23 08:47 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 602860 | 03/08/23 12:05 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |

Eurofins Savannah

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Client Sample ID: WAN-AP1-FB-07
Date Collected: 02/15/23 13:15
Date Received: 02/17/23 06:30

Lab Sample ID: 680-230721-17
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |

Client Sample ID: WAN-AP1-EB-01
Date Collected: 02/15/23 16:30
Date Received: 02/17/23 06:30

Lab Sample ID: 680-230721-18
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 997.07 mL | 1.0 g | 601821 | 02/28/23 08:24 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605258 | 03/28/23 15:55 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 997.07 mL | 1.0 g | 601825 | 02/28/23 08:47 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | 1.0 mL | 1.0 mL | 602860 | 03/08/23 12:05 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605403 | 03/29/23 11:56 | MLK | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

Laboratory: Eurofins St. Louis

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Florida | NELAP | E87689 | 06-30-23 |

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Method Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-2

| Method | Method Description | Protocol | Laboratory |
|-------------|--|----------|------------|
| 9315 | Radium-226 (GFPC) | SW846 | EET SL |
| 9320 | Radium-228 (GFPC) | SW846 | EET SL |
| Ra226_Ra228 | Combined Radium-226 and Radium-228 | TAL-STL | EET SL |
| PrecSep_0 | Preparation, Precipitate Separation | None | EET SL |
| PrecSep-21 | Preparation, Precipitate Separation (21-Day In-Growth) | None | EET SL |

Protocol References:

None = None

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

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



Chain of Custody Record

| | | | | | | | | | |
|--|--|--|--|--------------------------------------|--|--------------------------------|--|---|--|
| Client Information | | Sampler: ACC A. Schmitt, D. Johnson | | Lab PM: Fuller David | | Carrier Tracking No(s): | | COC No: | |
| Client Contact: SCS Contacts | | Phone: 770 9594 5998 | | E-Mail: david.fuller@et.eurofins.com | | | | Page: 1 of 2 | |
| Company: GA Power | | Address: 241 Ralph McGill Blvd SE | | City: Atlanta | | State, Zip: GA, 30308 | | Job #: | |
| Project Name: Plant Wansley Ash Pond | | Site: | | Lab Project #: 68027766 | | PO #: | | Due Date Requested: | |
| SCS Contacts / Geosyntec Contacts | | Project #: | | SSOW#: | | TAT Requested (days): Standard | | Analysis Requested | |
| Sample Identification | | Sample Date (mm/dd/yy) | | Sample Time (hh:mm) | | Sample Type (C=Comp, G=grab) | | Matrix (W=ground water, H=humidity, G=grab) | |
| WAN-WGWA-1 | | 02/14/23 | | 1055 | | G | | WG | |
| WAN-WGWA-2 | | 02/14/23 | | 1210 | | G | | WG | |
| WAN-WGWA-3 | | 02/14/23 | | 1710 | | G | | WG | |
| WAN-WGWA-4 | | 02/15/23 | | 1005 | | G | | WG | |
| WAN-WGWA-5 | | 02/14/23 | | 1425 | | G | | WG | |
| WAN-WGWA-6 | | 02/14/23 | | 1553 | | G | | WG | |
| WAN-WGWA-7 | | 02/14/23 | | 1540 | | G | | WG | |
| WAN-WGWA-18 | | 02/14/23 | | 1420 | | G | | WG | |
| WAN-WGWC-15 | | 02/15/23 | | 1115 | | G | | WG | |
| WAN-WGWC-16 | | 02/15/23 | | 1220 | | G | | WG | |
| WAN-WGWC-25 | | 02/15/23 | | 1500 | | G | | WG | |
| Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested I, II, III, IV, Other (specify) | | | | | | | | | |
| Empty Kit Relinquished by: _____ Date: _____ Relinquished by: <i>Dave Johnson</i> Date/Time: 2/16/23 / 0747 Company: ACC Relinquished by: <i>Dog</i> Date/Time: 2/16/23 Company: Eurofins Relinquished by: _____ Date/Time: _____ Company: _____ | | | | | | | | | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No: _____ Cooler Temperature(s) °C and Other Remarks: 3.5-5.5-2.4-2.4-2.1-2.1 4.03-4.3 | | | | | | | | | |



Chain of Custody Record

| | | | | | |
|---|--|--|--|---|--|
| Client Information Client Contact: <i>A. Schmittler</i> SCS Contacts: <i>770 574 5998</i> | | Lab PM: <i>Fuller, David</i> E-Mail: <i>david.fuller@et.eurofins.com</i> | | Carrier Tracking No(s): COC No: <i>2 of 2</i> | |
| Due Date Requested: TAT Requested (days): <i>Standard</i> | | Analysis Requested Major Ions - Sulfide, Major Ions - Carbonate, Bicarbonate, Total Alkalinity, Radium 226 & 228 (SW-846 9316/9320), App IV Metals (EPA 6020/470), App III Metals B, Ca, Field Filtered Sample (Yes or No) | | Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHCO3, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, Other: | |
| Lab Project #: <i>68027766</i> PO #: | | Perform MS/MSD (Yes or No): <input checked="" type="checkbox"/> | | Task Code: <i>WAN-CR-ASSMT-2023S1</i> Special Instructions/Note: <i>Full APP III and APP IV</i> | |
| Project #: | | Sample Date (mm/dd/yy) | | Sample Time (hhmm) | |
| SOW#: | | Sample Type (C=comp, G=grab) | | Mark (if ground water WQ=quality control) | |
| Address: <i>241 Ralph McGill Blvd SE</i> | | Sample Identification | | Total Number of Containers | |
| City: <i>Atlanta</i> | | WAN- W6WC-22 | | pH= <i>5.47</i> | |
| State, Zip: <i>GA, 30308</i> | | WAN- W6WC-24 | | pH= <i>4.54</i> | |
| Phone: <i>404-506-7116(Tel)</i> | | WAN- W6WC-9 | | pH= <i>5.86</i> | |
| Email: | | WAN- W6WC-23 | | pH= <i>5.49</i> | |
| SCS Contacts / Geosyntec Contacts | | WAN- | | pH= | |
| Project Name: <i>Plant Wansley Ash Pond</i> | | WAN- | | pH= | |
| Site: | | WAN- | | pH= | |
| Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | Special Instructions/QC Requirements | |
| Deliverable Requested I II III, IV Other (specify) | | Empty Kit Relinquished by | | Method of Shipment: | |
| Relinquished by: <i>David Johnson</i> | | Date/Time: <i>2/16/23 / 07:47</i> | | Received by: <i>[Signature]</i> | |
| Relinquished by: <i>[Signature]</i> | | Date/Time: <i>2/16/23 / 16:00</i> | | Reissued by: <i>[Signature]</i> | |
| Relinquished by: <i>[Signature]</i> | | Date/Time: | | Reissued by: | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Cooler Temperature(s) °C and Other Remarks: <i>55-55 - 6-4-2-0 - 2-1-2-1</i> | | Company: <i>Eurofins</i> | |



Chain of Custody Record



Environment Testing



| Client Information (Sub Contract Lab) | | Lab PM | Carrier Tracking No(s) | COC No. |
|--|-------------|--|------------------------------|--|
| Client Contact: Fuller, David Shipping/Receiving: David.F.Fuller@et.eurofins.com Company: TestAmerica Laboratories, Inc. Address: 13715 Rider Trail North, 314-298-8566(Tel) 314-298-8757(Fax) City: Earth City State, Zip: MO, 63045 Phone: 314-298-8566(Tel) 314-298-8757(Fax) Email: Project Name: Plant Wansley - Ash Pond Project #: 68027766 Site: | | Fuller, David | | 680-727755.1 |
| Due Date Requested: 3/29/2023 TAT Requested (days): PO #: WO #: Accreditations Required (See note): NELAP - Florida, State - Georgia | | E-Mail: David.F.Fuller@et.eurofins.com | State of Origin: Georgia | Page: 1 of 2 Job #: 680-230721-2 |
| Sample Information | | Sample | Analysis Requested | Preservation Codes: |
| Sample ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=Water, S=Solid, O=Soil, T=Tissue, A=All) |
| WAN-WGWA-1 (680-230721-1) | 2/14/23 | 10:55 Eastern | Water | Water |
| WAN-WGWA-2 (680-230721-2) | 2/14/23 | 12:10 Eastern | Water | Water |
| WAN-WGWA-3 (680-230721-3) | 2/14/23 | 17:10 Eastern | Water | Water |
| WAN-WGWA-4 (680-230721-4) | 2/15/23 | 10:05 Eastern | Water | Water |
| WAN-WGWA-5 (680-230721-5) | 2/14/23 | 14:25 Eastern | Water | Water |
| WAN-WGWA-6 (680-230721-6) | 2/14/23 | 15:53 Eastern | Water | Water |
| WAN-WGWA-7 (680-230721-7) | 2/14/23 | 15:40 Eastern | Water | Water |
| WAN-WGWA-8 (680-230721-8) | 2/14/23 | 14:20 Eastern | Water | Water |
| WAN-WGWA-9 (680-230721-9) | 2/15/23 | 11:15 Eastern | Water | Water |
| Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> 9320_Ra226/PreSep_0_Radium 228 <input checked="" type="checkbox"/> 9315_Ra226/PreSep_21_Radium 226 <input checked="" type="checkbox"/> Ra226Ra228_GFP/Combined Radium 226 and Radium 228 <input checked="" type="checkbox"/> Total Number of Containers: 2 | | Special Instructions/Note: | | |
| Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC. | | | | |
| Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 Empty Kit Relinquished by: Date: Time: Method of Shipment: | | | | |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months | | | | |
| Special Instructions/QC Requirements: | | | | |
| Relinquished by: <i>John D. Huntley</i> Date/Time: 02-20-23 Relinquished by: FEDEX Date/Time: 14:08 Relinquished by: FEDEX Date/Time: | | Received by: FEDEX Date/Time: 3/21/23 0850 Company: ETASTL Date/Time: | | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Cooler Temperature(s) °C and Other Remarks: | | |



Chain of Custody Record

| | | | | | | | | | | |
|--|----------------------------------|---|-------------------------------------|---|--|-----------------------------------|---------------------------------------|--|--|-----------------------------------|
| Client Information (Sub Contract Lab) | | Lab PM Fuller, David | Carrier Tracking No(s) | COC No. 680-727755.2 | | | | | | |
| Client Contact Shipping/Receiving | | E-Mail David.Fuller@et.eurofins.com | State of Origin Georgia | Page Page 2 of 2 | | | | | | |
| Company TestAmerica Laboratories, Inc. | | Accreditations Required (See note) NELAP - Florida, State - Georgia | | | | | | | | |
| Address 13715 Rider Trail North, | | Job # 680-230721-2 | | | | | | | | |
| City Earth City | Due Date Requested: 3/29/2023 | Analysis Requested M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify) Other: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA | | | | | | | | |
| State, Zip MO, 63045 | TAT Requested (days): | | | | | | | | | |
| Phone 314-298-8566(Tel) 314-298-8757(Fax) | PO #: | | | | | | | | | |
| Email | WO #: | | | | | | | | | |
| Project Name Plant Wansley - Ash Pond | Project # 68027766 | | | | | | | | | |
| Site | SOW#: | Total Number of Containers | | | | | | | | |
| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=soil, A=air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 9320_Ra226/Presep_0 Radium 226 | 9315_Ra226/Presep_21 Radium 226 | Ra226Ra228_GFPc/ Combined Radium 226 and Radium 228 | Special Instructions/Note: |
| WAN-WGWC-16 (680-230721-10) | 2/15/23 | 12:20 Eastern | Water | Water | X | X | X | X | X | |
| WAN-WGWC-25 (680-230721-11) | 2/15/23 | 15:00 Eastern | Water | Water | X | X | X | X | X | |
| WAN-WGWC-22 (680-230721-12) | 2/15/23 | 14:40 Eastern | Water | Water | X | X | X | X | X | |
| WAN-WGWC-24 (680-230721-13) | 2/15/23 | 13:20 Eastern | Water | Water | X | X | X | X | X | |
| WAN-WGWC-9 (680-230721-14) | 2/15/23 | 16:15 Eastern | Water | Water | X | X | X | X | X | |
| WAN-WGWC-23 (680-230721-15) | 2/15/23 | 16:15 Eastern | Water | Water | X | X | X | X | X | |
| WAN-AP1-FD-01 (680-230721-16) | 2/15/23 | 16:15 Eastern | Water | Water | X | X | X | X | X | |
| WAN-AP1-FB-07 (680-230721-17) | 2/15/23 | 13:15 Eastern | Water | Water | X | X | X | X | X | |
| WAN-AP1-EB-01 (680-230721-18) | 2/15/23 | 16:30 Eastern | Water | Water | X | X | X | X | X | |
| Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC | | | | | | | | | | |
| Possible Hazard Identification | | | | | | | | | | |
| Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2 Empty Kit Relinquished by: _____ Date: _____ Method of Shipment: _____ Relinquished by: <i>Yvonne Turner</i> Date/Time: <i>02-20-23</i> Received by: _____ Date/Time: _____ Relinquished by: _____ Date/Time: _____ Received by: <i>Patricia Sharkey</i> Date/Time: <i>2/21/23 0850</i> Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____ Custody Seals Intact: _____ Cooler Temperature(s) °C and Other Remarks: _____ Δ Yes Δ No | | | | | | | | | | |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | | | | | | | | | |



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230721-2

Login Number: 230721

List Source: Eurofins Savannah

List Number: 1

Creator: Harley, Tynisha

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230721-2

Login Number: 230721

List Number: 2

Creator: Sharkey-Gonzalez, Briana L

List Source: Eurofins St. Louis

List Creation: 02/21/23 02:10 PM

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



 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 3/5/2023 10:42:01 AM

JOB DESCRIPTION

Plant Wansley - Ash Pond - IW Wells

JOB NUMBER

680-230804-1

Eurofins Savannah

Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

Generated
3/5/2023 10:42:01 AM

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

Qualifiers

HPLC/IC

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

Metals

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

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Sample Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 680-230804-1 | WAN-PZ-A2S | Water | 02/17/23 11:05 | 02/18/23 06:30 |
| 680-230804-2 | WAN-PZ-A2M | Water | 02/17/23 11:30 | 02/18/23 06:30 |
| 680-230804-3 | WAN-PZ-A2D | Water | 02/17/23 10:00 | 02/18/23 06:30 |

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Case Narrative

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

Job ID: 680-230804-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-230804-1

Receipt

The samples were received on 2/18/2023 6:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

HPLC/IC

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

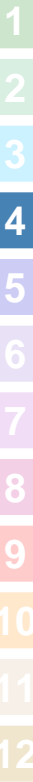
Metals

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

General Chemistry

Method SM4500_S2_F: The following samples were analyzed with headspace in the sample container(s): WAN-PZ-A2D (680-230804-3), (680-230804-C-2 MS) and (680-230804-C-2 MSD).

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



Client Sample Results

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

Client Sample ID: WAN-PZ-A2S

Lab Sample ID: 680-230804-1

Date Collected: 02/17/23 11:05

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.44 | | 0.10 | 0.040 | mg/L | | | 03/02/23 12:13 | 1 |

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Chloride | 220 | | 10 | 2.0 | mg/L | | | 03/02/23 19:15 | 10 |
| Sulfate | 1500 | | 10 | 4.0 | mg/L | | | 03/02/23 19:15 | 10 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|----------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 09:52 | 02/22/23 18:47 | 1 |
| Boron | 21 | B | 1.6 | 0.44 | mg/L | | 02/21/23 09:52 | 02/24/23 16:21 | 20 |
| Calcium | 680 | | 10 | 2.8 | mg/L | | 02/21/23 09:52 | 02/24/23 16:21 | 20 |
| Iron | 0.17 | | 0.050 | 0.012 | mg/L | | 02/21/23 09:52 | 02/22/23 18:47 | 1 |
| Lithium | 0.070 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 09:52 | 02/22/23 18:47 | 1 |
| Magnesium | 20 | | 0.50 | 0.023 | mg/L | | 02/21/23 09:52 | 02/22/23 18:47 | 1 |
| Manganese | 0.17 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 09:52 | 02/22/23 18:47 | 1 |
| Potassium | 14 | | 0.50 | 0.044 | mg/L | | 02/21/23 09:52 | 02/22/23 18:47 | 1 |
| Sodium | 16 | | 0.50 | 0.20 | mg/L | | 02/21/23 09:52 | 02/22/23 18:47 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity (SM 2320B-2011) | 82 | | 5.0 | 5.0 | mg/L | | | 02/22/23 16:27 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 8.6 | | 5.0 | 5.0 | mg/L | | | 02/22/23 16:27 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | 74 | | 5.0 | 5.0 | mg/L | | | 02/22/23 16:27 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 2600 | | 80 | 80 | mg/L | | | 02/23/23 13:26 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/24/23 09:26 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 9.66 | | | | SU | | | 02/17/23 11:05 | 1 |

Client Sample ID: WAN-PZ-A2M

Lab Sample ID: 680-230804-2

Date Collected: 02/17/23 11:30

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.072 | J | 0.10 | 0.040 | mg/L | | | 03/02/23 12:26 | 1 |

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Chloride | 1100 | | 10 | 2.0 | mg/L | | | 03/02/23 19:28 | 10 |
| Sulfate | 1400 | | 10 | 4.0 | mg/L | | | 03/02/23 19:28 | 10 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|---------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Beryllium | 0.00022 | J | 0.0025 | 0.00020 | mg/L | | 02/21/23 09:52 | 02/22/23 18:31 | 1 |
| Boron | 49 | B | 8.0 | 2.2 | mg/L | | 02/21/23 09:52 | 02/24/23 16:05 | 100 |
| Calcium | 1300 | | 50 | 14 | mg/L | | 02/21/23 09:52 | 02/24/23 16:05 | 100 |

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Client Sample Results

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

Client Sample ID: WAN-PZ-A2M

Lab Sample ID: 680-230804-2

Date Collected: 02/17/23 11:30

Matrix: Water

Date Received: 02/18/23 06:30

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Iron | 0.34 | | 0.050 | 0.012 | mg/L | | 02/21/23 09:52 | 02/22/23 18:31 | 1 |
| Lithium | 0.18 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 09:52 | 02/22/23 18:31 | 1 |
| Magnesium | 11 | | 0.50 | 0.023 | mg/L | | 02/21/23 09:52 | 02/22/23 18:31 | 1 |
| Manganese | 0.012 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 09:52 | 02/22/23 18:31 | 1 |
| Potassium | 33 | | 0.50 | 0.044 | mg/L | | 02/21/23 09:52 | 02/22/23 18:31 | 1 |
| Sodium | 28 | | 0.50 | 0.20 | mg/L | | 02/21/23 09:52 | 02/22/23 18:31 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity (SM 2320B-2011) | 180 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:57 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:57 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | 99 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:57 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 4100 | | 200 | 200 | mg/L | | | 02/23/23 13:26 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/24/23 09:26 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 9.84 | | | | SU | | | 02/17/23 11:30 | 1 |

Client Sample ID: WAN-PZ-A2D

Lab Sample ID: 680-230804-3

Date Collected: 02/17/23 10:00

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 10 | | 1.0 | 0.20 | mg/L | | | 03/02/23 12:39 | 1 |
| Fluoride | 0.62 | | 0.10 | 0.040 | mg/L | | | 03/02/23 12:39 | 1 |
| Sulfate | 120 | | 1.0 | 0.40 | mg/L | | | 03/02/23 12:39 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|----------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 09:52 | 02/22/23 18:43 | 1 |
| Boron | 0.25 | B | 0.080 | 0.022 | mg/L | | 02/21/23 09:52 | 02/24/23 16:17 | 1 |
| Calcium | 93 | | 0.50 | 0.14 | mg/L | | 02/21/23 09:52 | 02/22/23 18:43 | 1 |
| Iron | 0.025 | J | 0.050 | 0.012 | mg/L | | 02/21/23 09:52 | 02/22/23 18:43 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 09:52 | 02/22/23 18:43 | 1 |
| Magnesium | 1.4 | | 0.50 | 0.023 | mg/L | | 02/21/23 09:52 | 02/22/23 18:43 | 1 |
| Manganese | 0.0087 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 09:52 | 02/22/23 18:43 | 1 |
| Potassium | 6.3 | | 0.50 | 0.044 | mg/L | | 02/21/23 09:52 | 02/22/23 18:43 | 1 |
| Sodium | 2.7 | | 0.50 | 0.20 | mg/L | | 02/21/23 09:52 | 02/22/23 18:43 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Total Alkalinity (SM 2320B-2011) | 96 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:46 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 96 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:46 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:46 | 1 |

Eurofins Savannah

Client Sample Results

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

Client Sample ID: WAN-PZ-A2D

Lab Sample ID: 680-230804-3

Date Collected: 02/17/23 10:00

Matrix: Water

Date Received: 02/18/23 06:30

General Chemistry (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|------------|-----------|------|------|------|---|----------|----------------|---------|
| Total Dissolved Solids (SM 2540C-2011) | 290 | | 40 | 40 | mg/L | | | 02/23/23 13:26 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.86 | | 0.86 | 0.86 | mg/L | | | 02/24/23 09:26 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|-------------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 7.61 | | | | SU | | | 02/17/23 10:00 | 1 |



QC Sample Results

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 680-765703/2
Matrix: Water
Analysis Batch: 765703

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.20 | | 1.0 | 0.20 | mg/L | | | 03/02/23 09:48 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 03/02/23 09:48 | 1 |
| Sulfate | <0.40 | | 1.0 | 0.40 | mg/L | | | 03/02/23 09:48 | 1 |

Lab Sample ID: LCS 680-765703/4
Matrix: Water
Analysis Batch: 765703

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 10.0 | 10.3 | | mg/L | | 103 | 90 - 110 |
| Fluoride | 2.00 | 2.02 | | mg/L | | 101 | 90 - 110 |
| Sulfate | 10.0 | 10.2 | | mg/L | | 102 | 90 - 110 |

Lab Sample ID: LCSD 680-765703/5
Matrix: Water
Analysis Batch: 765703

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Chloride | 10.0 | 10.3 | | mg/L | | 103 | 90 - 110 | 0 | 15 |
| Fluoride | 2.00 | 2.02 | | mg/L | | 101 | 90 - 110 | 0 | 15 |
| Sulfate | 10.0 | 10.2 | | mg/L | | 102 | 90 - 110 | 1 | 15 |

Lab Sample ID: 680-230724-D-1 MS
Matrix: Water
Analysis Batch: 765703

Client Sample ID: Matrix Spike
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Chloride | 13 | | 10.0 | 23.6 | | mg/L | | 102 | 80 - 120 |
| Fluoride | 0.052 | J | 2.00 | 2.07 | | mg/L | | 101 | 80 - 120 |
| Sulfate | 25 | | 10.0 | 35.6 | | mg/L | | 104 | 80 - 120 |

Lab Sample ID: 680-230724-D-1 MSD
Matrix: Water
Analysis Batch: 765703

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Chloride | 13 | | 10.0 | 23.3 | | mg/L | | 99 | 80 - 120 | 1 | 15 |
| Fluoride | 0.052 | J | 2.00 | 1.99 | | mg/L | | 97 | 80 - 120 | 4 | 15 |
| Sulfate | 25 | | 10.0 | 35.3 | | mg/L | | 101 | 80 - 120 | 1 | 15 |

Lab Sample ID: MB 680-765704/33
Matrix: Water
Analysis Batch: 765704

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.20 | | 1.0 | 0.20 | mg/L | | | 03/02/23 16:37 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 03/02/23 16:37 | 1 |
| Sulfate | <0.40 | | 1.0 | 0.40 | mg/L | | | 03/02/23 16:37 | 1 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 680-765704/34
Matrix: Water
Analysis Batch: 765704

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 10.0 | 10.3 | | mg/L | | 103 | 90 - 110 |
| Fluoride | 2.00 | 2.01 | | mg/L | | 100 | 90 - 110 |
| Sulfate | 10.0 | 9.53 | | mg/L | | 95 | 90 - 110 |

Lab Sample ID: LCSD 680-765704/35
Matrix: Water
Analysis Batch: 765704

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Chloride | 10.0 | 10.3 | | mg/L | | 103 | 90 - 110 | 0 | 15 |
| Fluoride | 2.00 | 2.01 | | mg/L | | 101 | 90 - 110 | 0 | 15 |
| Sulfate | 10.0 | 9.60 | | mg/L | | 96 | 90 - 110 | 1 | 15 |

Lab Sample ID: 680-230724-D-4 MS
Matrix: Water
Analysis Batch: 765704

Client Sample ID: Matrix Spike
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Chloride | 81 | | 10.0 | 90.6 | 4 | mg/L | | 99 | 80 - 120 |
| Fluoride | 0.051 | J | 2.00 | 2.03 | | mg/L | | 99 | 80 - 120 |
| Sulfate | 7.7 | | 10.0 | 17.5 | | mg/L | | 98 | 80 - 120 |

Lab Sample ID: 680-230724-D-4 MSD
Matrix: Water
Analysis Batch: 765704

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Chloride | 81 | | 10.0 | 90.7 | 4 | mg/L | | 100 | 80 - 120 | 0 | 15 |
| Fluoride | 0.051 | J | 2.00 | 2.05 | | mg/L | | 100 | 80 - 120 | 1 | 15 |
| Sulfate | 7.7 | | 10.0 | 17.6 | | mg/L | | 99 | 80 - 120 | 0 | 15 |

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-764270/1-A
Matrix: Water
Analysis Batch: 764596

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 764270

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Calcium | <0.14 | | 0.50 | 0.14 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Magnesium | <0.023 | | 0.50 | 0.023 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Manganese | <0.0022 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Potassium | <0.044 | | 0.50 | 0.044 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Sodium | <0.20 | | 0.50 | 0.20 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |

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QC Sample Results

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

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

Lab Sample ID: MB 680-764270/1-A
Matrix: Water
Analysis Batch: 764981

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 764270

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-------|-------|------|---|----------------|----------------|---------|
| Boron | 0.0248 | J | 0.080 | 0.022 | mg/L | | 02/21/23 09:52 | 02/24/23 15:57 | 1 |

Lab Sample ID: LCS 680-764270/2-A
Matrix: Water
Analysis Batch: 764596

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 764270

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|------|---|------|-------------|
| Beryllium | 0.0500 | 0.0488 | | mg/L | | 98 | 80 - 120 |
| Calcium | 5.00 | 5.14 | | mg/L | | 103 | 80 - 120 |
| Iron | 5.00 | 5.31 | | mg/L | | 106 | 80 - 120 |
| Lithium | 0.500 | 0.493 | | mg/L | | 99 | 80 - 120 |
| Magnesium | 5.01 | 4.92 | | mg/L | | 98 | 80 - 120 |
| Manganese | 0.400 | 0.409 | | mg/L | | 102 | 80 - 120 |
| Potassium | 6.97 | 6.98 | | mg/L | | 100 | 80 - 120 |
| Sodium | 5.05 | 5.26 | | mg/L | | 104 | 80 - 120 |

Lab Sample ID: LCS 680-764270/2-A
Matrix: Water
Analysis Batch: 764981

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 764270

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Boron | 0.200 | 0.218 | | mg/L | | 109 | 80 - 120 |

Lab Sample ID: 680-230804-2 MS
Matrix: Water
Analysis Batch: 764596

Client Sample ID: WAN-PZ-A2M
Prep Type: Total Recoverable
Prep Batch: 764270

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Beryllium | 0.00022 | J | 0.0500 | 0.0497 | | mg/L | | 99 | 75 - 125 |
| Iron | 0.34 | | 5.00 | 5.58 | | mg/L | | 105 | 75 - 125 |
| Lithium | 0.18 | | 0.500 | 0.684 | | mg/L | | 102 | 75 - 125 |
| Magnesium | 11 | | 5.01 | 15.5 | | mg/L | | 85 | 75 - 125 |
| Manganese | 0.012 | | 0.400 | 0.428 | | mg/L | | 104 | 75 - 125 |
| Potassium | 33 | | 6.97 | 38.6 | 4 | mg/L | | 74 | 75 - 125 |
| Sodium | 28 | | 5.05 | 31.7 | 4 | mg/L | | 76 | 75 - 125 |

Lab Sample ID: 680-230804-2 MS
Matrix: Water
Analysis Batch: 764981

Client Sample ID: WAN-PZ-A2M
Prep Type: Total Recoverable
Prep Batch: 764270

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|-------|-------------|
| Boron | 49 | B | 0.200 | 47.6 | 4 | mg/L | | -574 | 75 - 125 |
| Calcium | 1300 | | 5.00 | 1230 | 4 | mg/L | | -1031 | 75 - 125 |

Lab Sample ID: 680-230804-2 MSD
Matrix: Water
Analysis Batch: 764596

Client Sample ID: WAN-PZ-A2M
Prep Type: Total Recoverable
Prep Batch: 764270

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Beryllium | 0.00022 | J | 0.0500 | 0.0510 | | mg/L | | 102 | 75 - 125 | 3 | 20 |

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QC Sample Results

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

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

Lab Sample ID: 680-230804-2 MSD
Matrix: Water
Analysis Batch: 764596

Client Sample ID: WAN-PZ-A2M
Prep Type: Total Recoverable
Prep Batch: 764270

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Iron | 0.34 | | 5.00 | 5.81 | | mg/L | | 110 | 75 - 125 | 4 | 20 |
| Lithium | 0.18 | | 0.500 | 0.702 | | mg/L | | 105 | 75 - 125 | 3 | 20 |
| Magnesium | 11 | | 5.01 | 16.3 | | mg/L | | 101 | 75 - 125 | 5 | 20 |
| Manganese | 0.012 | | 0.400 | 0.452 | | mg/L | | 110 | 75 - 125 | 6 | 20 |
| Potassium | 33 | | 6.97 | 40.3 | 4 | mg/L | | 98 | 75 - 125 | 4 | 20 |
| Sodium | 28 | | 5.05 | 33.1 | 4 | mg/L | | 103 | 75 - 125 | 4 | 20 |

Lab Sample ID: 680-230804-2 MSD
Matrix: Water
Analysis Batch: 764981

Client Sample ID: WAN-PZ-A2M
Prep Type: Total Recoverable
Prep Batch: 764270

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|-------|-------------|-----|-----------|
| Boron | 49 | B | 0.200 | 47.3 | 4 | mg/L | | -711 | 75 - 125 | 1 | 20 |
| Calcium | 1300 | | 5.00 | 1220 | 4 | mg/L | | -1072 | 75 - 125 | 0 | 20 |

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-764663/4
Matrix: Water
Analysis Batch: 764663

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Total Alkalinity | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 15:05 | 1 |
| Bicarbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 15:05 | 1 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 15:05 | 1 |

Lab Sample ID: LCS 680-764663/6
Matrix: Water
Analysis Batch: 764663

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------|-------------|------------|---------------|------|---|------|-------------|
| Total Alkalinity | 250 | 251 | | mg/L | | 101 | 90 - 112 |

Lab Sample ID: LCSD 680-764663/31
Matrix: Water
Analysis Batch: 764663

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Total Alkalinity | 250 | 255 | | mg/L | | 102 | 90 - 112 | 1 | 30 |

Lab Sample ID: 680-230827-A-3 DU
Matrix: Water
Analysis Batch: 764663

Client Sample ID: Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------------------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Alkalinity | 17 | | 15.9 | | mg/L | | 6 | 30 |
| Bicarbonate Alkalinity as CaCO3 | 17 | | 15.9 | | mg/L | | 6 | 30 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | <5.0 | | mg/L | | NC | 30 |

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QC Sample Results

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: MB 680-764666/4
Matrix: Water
Analysis Batch: 764666

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Total Alkalinity | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 20:28 | 1 |
| Bicarbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 20:28 | 1 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 20:28 | 1 |

Lab Sample ID: LCS 680-764666/6
Matrix: Water
Analysis Batch: 764666

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------|-------------|------------|---------------|------|---|------|-------------|
| Total Alkalinity | 250 | 251 | | mg/L | | 100 | 90 - 112 |

Lab Sample ID: LCSD 680-764666/31
Matrix: Water
Analysis Batch: 764666

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Total Alkalinity | 250 | 254 | | mg/L | | 102 | 90 - 112 | 1 | 30 |

Lab Sample ID: 680-230805-F-14 DU
Matrix: Water
Analysis Batch: 764666

Client Sample ID: Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------------------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Alkalinity | 10 | | 7.34 | | mg/L | | 30 | 30 |
| Bicarbonate Alkalinity as CaCO3 | 10 | | 7.34 | | mg/L | | 30 | 30 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | <5.0 | | mg/L | | NC | 30 |

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-764716/1
Matrix: Water
Analysis Batch: 764716

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|----|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | <10 | | 10 | 10 | mg/L | | | 02/23/23 13:26 | 1 |

Lab Sample ID: LCS 680-764716/2
Matrix: Water
Analysis Batch: 764716

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------------|-------------|------------|---------------|------|---|------|-------------|
| Total Dissolved Solids | 2340 | 2410 | | mg/L | | 103 | 80 - 120 |

Lab Sample ID: LCSD 680-764716/3
Matrix: Water
Analysis Batch: 764716

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Total Dissolved Solids | 2340 | 2360 | | mg/L | | 101 | 80 - 120 | 2 | 25 |

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QC Sample Results

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C) (Continued)

Lab Sample ID: 680-230845-F-2 DU
 Matrix: Water
 Analysis Batch: 764716

Client Sample ID: Duplicate
 Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|------------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Dissolved Solids | 400 | | 406 | | mg/L | | 1 | 5 |

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: MB 680-764836/1
 Matrix: Water
 Analysis Batch: 764836

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Sulfide | <1.0 | | 1.0 | 1.0 | mg/L | | | 02/24/23 09:26 | 1 |

Lab Sample ID: LCS 680-764836/2
 Matrix: Water
 Analysis Batch: 764836

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Sulfide | 10.0 | 9.09 | | mg/L | | 91 | 75 - 125 |

Lab Sample ID: LCSD 680-764836/3
 Matrix: Water
 Analysis Batch: 764836

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Sulfide | 10.0 | 9.02 | | mg/L | | 90 | 75 - 125 | 1 | 30 |

Lab Sample ID: 680-230804-2 MS
 Matrix: Water
 Analysis Batch: 764836

Client Sample ID: WAN-PZ-A2M
 Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Sulfide | <0.81 | | 6.94 | 5.55 | | mg/L | | 80 | 75 - 125 |

Lab Sample ID: 680-230804-2 MSD
 Matrix: Water
 Analysis Batch: 764836

Client Sample ID: WAN-PZ-A2M
 Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Sulfide | <0.81 | | 6.94 | 5.55 | | mg/L | | 80 | 75 - 125 | 0 | 30 |

Lab Sample ID: 680-230804-1 DU
 Matrix: Water
 Analysis Batch: 764836

Client Sample ID: WAN-PZ-A2S
 Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Sulfide | <0.81 | | <0.81 | | mg/L | | NC | 30 |

QC Association Summary

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

HPLC/IC

Analysis Batch: 765703

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-----------------|------------|
| 680-230804-1 | WAN-PZ-A2S | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230804-2 | WAN-PZ-A2M | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230804-3 | WAN-PZ-A2D | Total/NA | Water | 300.0-1993 R2.1 | |
| MB 680-765703/2 | Method Blank | Total/NA | Water | 300.0-1993 R2.1 | |
| LCS 680-765703/4 | Lab Control Sample | Total/NA | Water | 300.0-1993 R2.1 | |
| LCSD 680-765703/5 | Lab Control Sample Dup | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230724-D-1 MS | Matrix Spike | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230724-D-1 MSD | Matrix Spike Duplicate | Total/NA | Water | 300.0-1993 R2.1 | |

Analysis Batch: 765704

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-----------------|------------|
| 680-230804-1 - DL | WAN-PZ-A2S | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230804-2 - DL | WAN-PZ-A2M | Total/NA | Water | 300.0-1993 R2.1 | |
| MB 680-765704/33 | Method Blank | Total/NA | Water | 300.0-1993 R2.1 | |
| LCS 680-765704/34 | Lab Control Sample | Total/NA | Water | 300.0-1993 R2.1 | |
| LCSD 680-765704/35 | Lab Control Sample Dup | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230724-D-4 MS | Matrix Spike | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230724-D-4 MSD | Matrix Spike Duplicate | Total/NA | Water | 300.0-1993 R2.1 | |

Metals

Prep Batch: 764270

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-------------------|--------|--------|------------|
| 680-230804-1 | WAN-PZ-A2S | Total Recoverable | Water | 3005A | |
| 680-230804-2 | WAN-PZ-A2M | Total Recoverable | Water | 3005A | |
| 680-230804-3 | WAN-PZ-A2D | Total Recoverable | Water | 3005A | |
| MB 680-764270/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 680-764270/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| 680-230804-2 MS | WAN-PZ-A2M | Total Recoverable | Water | 3005A | |
| 680-230804-2 MSD | WAN-PZ-A2M | Total Recoverable | Water | 3005A | |

Analysis Batch: 764596

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-------------------|--------|--------|------------|
| 680-230804-1 | WAN-PZ-A2S | Total Recoverable | Water | 6020B | 764270 |
| 680-230804-2 | WAN-PZ-A2M | Total Recoverable | Water | 6020B | 764270 |
| 680-230804-3 | WAN-PZ-A2D | Total Recoverable | Water | 6020B | 764270 |
| MB 680-764270/1-A | Method Blank | Total Recoverable | Water | 6020B | 764270 |
| LCS 680-764270/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 764270 |
| 680-230804-2 MS | WAN-PZ-A2M | Total Recoverable | Water | 6020B | 764270 |
| 680-230804-2 MSD | WAN-PZ-A2M | Total Recoverable | Water | 6020B | 764270 |

Analysis Batch: 764981

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-------------------|--------|--------|------------|
| 680-230804-1 | WAN-PZ-A2S | Total Recoverable | Water | 6020B | 764270 |
| 680-230804-2 | WAN-PZ-A2M | Total Recoverable | Water | 6020B | 764270 |
| 680-230804-3 | WAN-PZ-A2D | Total Recoverable | Water | 6020B | 764270 |
| MB 680-764270/1-A | Method Blank | Total Recoverable | Water | 6020B | 764270 |
| LCS 680-764270/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 764270 |
| 680-230804-2 MS | WAN-PZ-A2M | Total Recoverable | Water | 6020B | 764270 |
| 680-230804-2 MSD | WAN-PZ-A2M | Total Recoverable | Water | 6020B | 764270 |

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QC Association Summary

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

General Chemistry

Analysis Batch: 764663

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|------------|------------|
| 680-230804-1 | WAN-PZ-A2S | Total/NA | Water | 2320B-2011 | |
| MB 680-764663/4 | Method Blank | Total/NA | Water | 2320B-2011 | |
| LCS 680-764663/6 | Lab Control Sample | Total/NA | Water | 2320B-2011 | |
| LCSD 680-764663/31 | Lab Control Sample Dup | Total/NA | Water | 2320B-2011 | |
| 680-230827-A-3 DU | Duplicate | Total/NA | Water | 2320B-2011 | |

Analysis Batch: 764666

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|------------|------------|
| 680-230804-2 | WAN-PZ-A2M | Total/NA | Water | 2320B-2011 | |
| 680-230804-3 | WAN-PZ-A2D | Total/NA | Water | 2320B-2011 | |
| MB 680-764666/4 | Method Blank | Total/NA | Water | 2320B-2011 | |
| LCS 680-764666/6 | Lab Control Sample | Total/NA | Water | 2320B-2011 | |
| LCSD 680-764666/31 | Lab Control Sample Dup | Total/NA | Water | 2320B-2011 | |
| 680-230805-F-14 DU | Duplicate | Total/NA | Water | 2320B-2011 | |

Analysis Batch: 764716

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|------------|------------|
| 680-230804-1 | WAN-PZ-A2S | Total/NA | Water | 2540C-2011 | |
| 680-230804-2 | WAN-PZ-A2M | Total/NA | Water | 2540C-2011 | |
| 680-230804-3 | WAN-PZ-A2D | Total/NA | Water | 2540C-2011 | |
| MB 680-764716/1 | Method Blank | Total/NA | Water | 2540C-2011 | |
| LCS 680-764716/2 | Lab Control Sample | Total/NA | Water | 2540C-2011 | |
| LCSD 680-764716/3 | Lab Control Sample Dup | Total/NA | Water | 2540C-2011 | |
| 680-230845-F-2 DU | Duplicate | Total/NA | Water | 2540C-2011 | |

Analysis Batch: 764836

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|----------------|------------|
| 680-230804-1 | WAN-PZ-A2S | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230804-2 | WAN-PZ-A2M | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230804-3 | WAN-PZ-A2D | Total/NA | Water | 4500 S2 F-2011 | |
| MB 680-764836/1 | Method Blank | Total/NA | Water | 4500 S2 F-2011 | |
| LCS 680-764836/2 | Lab Control Sample | Total/NA | Water | 4500 S2 F-2011 | |
| LCSD 680-764836/3 | Lab Control Sample Dup | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230804-2 MS | WAN-PZ-A2M | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230804-2 MSD | WAN-PZ-A2M | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230804-1 DU | WAN-PZ-A2S | Total/NA | Water | 4500 S2 F-2011 | |

Field Service / Mobile Lab

Analysis Batch: 764382

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------------|------------|
| 680-230804-1 | WAN-PZ-A2S | Total/NA | Water | Field Sampling | |
| 680-230804-2 | WAN-PZ-A2M | Total/NA | Water | Field Sampling | |
| 680-230804-3 | WAN-PZ-A2D | Total/NA | Water | Field Sampling | |

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

Client Sample ID: WAN-PZ-A2S

Lab Sample ID: 680-230804-1

Date Collected: 02/17/23 11:05

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------------|------------|-----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 | | 1 | 5 mL | 5 mL | 765703 | 03/02/23 12:13 | UI | EET SAV |
| Instrument ID: CICK | | | | | | | | | | |
| Total/NA | Analysis | 300.0-1993 R2.1 | DL | 10 | 5 mL | 5 mL | 765704 | 03/02/23 19:15 | UI | EET SAV |
| Instrument ID: CICK | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764596 | 02/22/23 18:47 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 20 | | | 764981 | 02/24/23 16:21 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Analysis | 2320B-2011 | | 1 | | | 764663 | 02/22/23 16:27 | PG | EET SAV |
| Instrument ID: MANTECH 2 | | | | | | | | | | |
| Total/NA | Analysis | 2540C-2011 | | 1 | 25 mL | 200 mL | 764716 | 02/23/23 13:26 | PG | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |
| Total/NA | Analysis | 4500 S2 F-2011 | | 1 | 310 mL | 310 mL | 764836 | 02/24/23 09:26 | JAS | EET SAV |
| Instrument ID: NoEquip | | | | | | | | | | |
| Total/NA | Analysis | Field Sampling | | 1 | | | 764382 | 02/17/23 11:05 | P1C | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-PZ-A2M

Lab Sample ID: 680-230804-2

Date Collected: 02/17/23 11:30

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------------|------------|-----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 | | 1 | 5 mL | 5 mL | 765703 | 03/02/23 12:26 | UI | EET SAV |
| Instrument ID: CICK | | | | | | | | | | |
| Total/NA | Analysis | 300.0-1993 R2.1 | DL | 10 | 5 mL | 5 mL | 765704 | 03/02/23 19:28 | UI | EET SAV |
| Instrument ID: CICK | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764596 | 02/22/23 18:31 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 100 | | | 764981 | 02/24/23 16:05 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Analysis | 2320B-2011 | | 1 | | | 764666 | 02/22/23 23:57 | PG | EET SAV |
| Instrument ID: MANTECH 2 | | | | | | | | | | |
| Total/NA | Analysis | 2540C-2011 | | 1 | 10 mL | 200 mL | 764716 | 02/23/23 13:26 | PG | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |
| Total/NA | Analysis | 4500 S2 F-2011 | | 1 | 310 mL | 310 mL | 764836 | 02/24/23 09:26 | JAS | EET SAV |
| Instrument ID: NoEquip | | | | | | | | | | |
| Total/NA | Analysis | Field Sampling | | 1 | | | 764382 | 02/17/23 11:30 | P1C | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

Client Sample ID: WAN-PZ-A2D

Lab Sample ID: 680-230804-3

Date Collected: 02/17/23 10:00

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------------|------------|-----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 | | 1 | 5 mL | 5 mL | 765703 | 03/02/23 12:39 | UI | EET SAV |
| Instrument ID: CICK | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764596 | 02/22/23 18:43 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764981 | 02/24/23 16:17 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Analysis | 2320B-2011 | | 1 | | | 764666 | 02/22/23 23:46 | PG | EET SAV |
| Instrument ID: MANTECH 2 | | | | | | | | | | |
| Total/NA | Analysis | 2540C-2011 | | 1 | 50 mL | 200 mL | 764716 | 02/23/23 13:26 | PG | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |
| Total/NA | Analysis | 4500 S2 F-2011 | | 1 | 290 mL | 290 mL | 764836 | 02/24/23 09:26 | JAS | EET SAV |
| Instrument ID: NoEquip | | | | | | | | | | |
| Total/NA | Analysis | Field Sampling | | 1 | | | 764382 | 02/17/23 10:00 | P1C | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Laboratory References:

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

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Florida | NELAP | E87052 | 06-30-23 |
| Georgia | State | E87052 | 06-30-23 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

Method Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond - IW Wells

Job ID: 680-230804-1

| Method | Method Description | Protocol | Laboratory |
|-----------------|--|----------|------------|
| 300.0-1993 R2.1 | Anions, Ion Chromatography | MCAWW | EET SAV |
| 6020B | Metals (ICP/MS) | SW846 | EET SAV |
| 2320B-2011 | Alkalinity, Total | SM | EET SAV |
| 2540C-2011 | Total Dissolved Solids (Dried at 180 °C) | SM | EET SAV |
| 4500 S2 F-2011 | Sulfide, Total | SM | EET SAV |
| Field Sampling | Field Sampling | EPA | EET SAV |
| 3005A | Preparation, Total Recoverable or Dissolved Metals | SW846 | EET SAV |

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.


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

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

Laboratory References:

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

Chain of Custody Record

| | | | | | |
|--|--|---|--|---|--|
| Client Information Client Contact: <u>David Fuller</u> SCS Contacts Company: GA Power | | Lab PM: <u>Fuller, David</u> E-Mail: <u>david.fuller@et.eurofins.com</u> | | Carrier Tracking No(s): Page: <u>1 of 1</u> Job #: | |
| Address: 2411 Ralph McGill Blvd SE City: Atlanta State, Zip: GA, 30308 Phone: 404-506-7116(Tel) Email: | | Due Date Requested: TAT Requested (days): <u>Standard</u> Lab Project #: <u>68027766</u> PO #: | | Analysis Requested Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium Major Ions - Sulfide Major Ions - Carbonate, Bicarbonate, Total Alkalinity Radium 226 & 228 (SW-846 9316/9320) Select Metals (EPA 6020) Be, Li Cl, F, SO & TDS (EPA 300 & SM 2540C) App III Metals B, Ca Perform MS/MSD (Yes or No) | |
| Project Name: Plant Wansley Ash Pond - IW Wells Site: | | Project #: <u>68027766</u> SSO#: | | Total Number of Containers: <u>6</u> Task Code: <u>WAN-CCR-ASSMT-2023S1</u> Special Instructions/Note: <u>Full APP III and Major Ions</u> | |
| Sample Identification WAN-PZ-A2S WAN- AWAN -PZ-A2M WAN-PZ-A2D | | Sample Date (mm/dd/yy) 02/17/23 02/17/23 02/17/23 | | Sample Type (C=Comp, G=grab) G G G | |
| Preservation Codes A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: | | Field Filtered Sample (Yes or No) N N N | | pH: <u>9.66</u> pH: <u>9.84</u> pH: <u>7.61</u> | |
| Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological | | Sample Date (mm/dd/yy) 02/17/23 02/17/23 02/17/23 | | Barcode:  680-230804 Chain of Custody | |
| Deliverable Requested I, II, III, IV Other (specify) | | Date/Time: <u>2/17/23 1427</u> Date/Time: <u>2/17/23 1427</u> Date/Time: <u>2/17/23 1427</u> | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months | |
| Empty Kit Relinquished by: | | Date: | | Special Instructions/QC Requirements: | |
| Relinquished by: <u>David Fuller</u> | | Date/Time: <u>2/17/23 1427</u> | | Method of Shipment: | |
| Relinquished by: <u>Michael Mesford</u> | | Date/Time: <u>2/17/23 1427</u> | | Company: | |
| Relinquished by: | | Date/Time: | | Company: | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Δ Yes Δ No | | Cooler Temperature(s) °C and Other Remarks: <u>1.0/1.0</u> | | Ver: 01/16/2019 | |



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230804-1

Login Number: 230804

List Source: Eurofins Savannah

List Number: 1

Creator: Johnson, Corey M

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

 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 3/5/2023 9:45:46 AM

JOB DESCRIPTION

Plant Wansley - Ash Pond

JOB NUMBER

680-230721-1

Eurofins Savannah

Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
3/5/2023 9:45:46 AM

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Qualifiers

HPLC/IC

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

Metals

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

General Chemistry

| Qualifier | Qualifier Description |
|-----------|---|
| F3 | Duplicate RPD exceeds the control limit |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Sample Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 680-230721-1 | WAN-WGWA-1 | Water | 02/14/23 10:55 | 02/17/23 06:30 |
| 680-230721-2 | WAN-WGWA-2 | Water | 02/14/23 12:10 | 02/17/23 06:30 |
| 680-230721-3 | WAN-WGWA-3 | Water | 02/14/23 17:10 | 02/17/23 06:30 |
| 680-230721-4 | WAN-WGWA-4 | Water | 02/15/23 10:05 | 02/17/23 06:30 |
| 680-230721-5 | WAN-WGWA-5 | Water | 02/14/23 14:25 | 02/17/23 06:30 |
| 680-230721-6 | WAN-WGWA-6 | Water | 02/14/23 15:53 | 02/17/23 06:30 |
| 680-230721-7 | WAN-WGWA-7 | Water | 02/14/23 15:40 | 02/17/23 06:30 |
| 680-230721-8 | WAN-WGWA-18 | Water | 02/14/23 14:20 | 02/17/23 06:30 |
| 680-230721-9 | WAN-WGWC-15 | Water | 02/15/23 11:15 | 02/17/23 06:30 |
| 680-230721-10 | WAN-WGWC-16 | Water | 02/15/23 12:20 | 02/17/23 06:30 |
| 680-230721-11 | WAN-WGWC-25 | Water | 02/15/23 15:00 | 02/17/23 06:30 |
| 680-230721-12 | WAN-WGWC-22 | Water | 02/15/23 14:40 | 02/17/23 06:30 |
| 680-230721-13 | WAN-WGWC-24 | Water | 02/15/23 13:20 | 02/17/23 06:30 |
| 680-230721-14 | WAN-WGWC-9 | Water | 02/15/23 16:15 | 02/17/23 06:30 |
| 680-230721-15 | WAN-WGWC-23 | Water | 02/15/23 16:15 | 02/17/23 06:30 |
| 680-230721-16 | WAN-AP1-FD-01 | Water | 02/15/23 00:00 | 02/17/23 06:30 |
| 680-230721-17 | WAN-AP1-FB-07 | Water | 02/15/23 13:15 | 02/17/23 06:30 |
| 680-230721-18 | WAN-AP1-EB-01 | Water | 02/15/23 16:30 | 02/17/23 06:30 |

Case Narrative

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Job ID: 680-230721-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-230721-1

Receipt

The samples were received on 2/17/2023 6:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.1°C, 2.2°C, 3.5°C and 4.3°C

HPLC/IC

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

Metals

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

General Chemistry

Method 2540C: The sample duplicate precision for the following sample associated with analytical batch 680-764123 was outside control limits: (680-230640-AD-1 DU). The associated Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) precision met acceptance criteria.

Method SM4500_S2_F: The following samples were analyzed with headspace in the sample container(s): WAN-WGWA-1 (680-230721-1), (680-230571-N-1), (680-230571-O-1 DU), WAN-WGWC-15 (680-230721-9), WAN-WGWC-16 (680-230721-10), WAN-WGWC-25 (680-230721-11), WAN-WGWC-24 (680-230721-13), WAN-WGWC-9 (680-230721-14), WAN-WGWC-23 (680-230721-15), WAN-AP1-FD-01 (680-230721-16), (680-230721-H-9 MS) and (680-230721-H-9 MSD).

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

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWA-1

Lab Sample ID: 680-230721-1

Date Collected: 02/14/23 10:55

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 3.9 | | 1.0 | 0.20 | mg/L | | | 02/21/23 11:26 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 02/21/23 11:26 | 1 |
| Sulfate | <0.40 | | 1.0 | 0.40 | mg/L | | | 02/21/23 11:26 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Barium | 0.050 | | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Boron | 0.026 | J B | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Calcium | 1.4 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Cobalt | 0.00073 | J | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Lithium | 0.0029 | J | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Magnesium | 1.3 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Manganese | 0.010 | | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Potassium | 1.3 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Sodium | 3.6 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 21:04 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:49 | 02/22/23 13:37 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 390 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:03 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 390 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:03 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:03 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 34 | | 10 | 10 | mg/L | | | 02/20/23 12:27 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.83 | | 0.83 | 0.83 | mg/L | | | 02/20/23 11:44 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 5.37 | | | | SU | | | 02/14/23 10:55 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWA-2

Lab Sample ID: 680-230721-2

Date Collected: 02/14/23 12:10

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 2.6 | | 1.0 | 0.20 | mg/L | | | 02/21/23 12:05 | 1 |
| Fluoride | 0.070 | J | 0.10 | 0.040 | mg/L | | | 02/21/23 12:05 | 1 |
| Sulfate | 0.66 | J | 1.0 | 0.40 | mg/L | | | 02/21/23 12:05 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Barium | 0.022 | | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Boron | 0.023 | J B | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Calcium | 12 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Cobalt | 0.00052 | J | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Lithium | 0.0060 | | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Magnesium | 4.4 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Manganese | 0.033 | | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Potassium | 2.5 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Sodium | 9.8 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 21:49 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:50 | 02/22/23 15:00 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 240 | | 5.0 | 5.0 | mg/L | | | 02/21/23 18:44 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 240 | | 5.0 | 5.0 | mg/L | | | 02/21/23 18:44 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/21/23 18:44 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 100 | | 10 | 10 | mg/L | | | 02/20/23 12:27 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/20/23 11:44 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 6.06 | | | | SU | | | 02/14/23 12:10 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWA-3

Lab Sample ID: 680-230721-3

Date Collected: 02/14/23 17:10

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 1.6 | | 1.0 | 0.20 | mg/L | | | 02/21/23 12:19 | 1 |
| Fluoride | 0.041 | J | 0.10 | 0.040 | mg/L | | | 02/21/23 12:19 | 1 |
| Sulfate | 0.65 | J | 1.0 | 0.40 | mg/L | | | 02/21/23 12:19 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Barium | 0.015 | | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Boron | <0.022 | | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Calcium | 2.0 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Magnesium | 1.2 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Manganese | <0.0022 | | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Potassium | 1.4 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Sodium | 3.0 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 21:53 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:49 | 02/22/23 14:22 | 0 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 270 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:14 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 270 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:14 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:14 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 27 | | 10 | 10 | mg/L | | | 02/20/23 12:27 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/20/23 11:44 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 5.49 | | | | SU | | | 02/14/23 17:10 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWA-4

Lab Sample ID: 680-230721-4

Date Collected: 02/15/23 10:05

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 1.2 | | 1.0 | 0.20 | mg/L | | | 02/21/23 18:00 | 1 |
| Fluoride | 0.14 | | 0.10 | 0.040 | mg/L | | | 02/21/23 18:00 | 1 |
| Sulfate | 7.8 | | 1.0 | 0.40 | mg/L | | | 02/21/23 18:00 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Barium | 0.0058 | J | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Boron | <0.022 | | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Calcium | 18 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Iron | 1.0 | | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Lithium | 0.0041 | J | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Magnesium | 2.8 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Manganese | 0.18 | | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Potassium | 2.9 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Sodium | 7.9 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 21:41 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:49 | 02/22/23 14:57 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 110 | | 5.0 | 5.0 | mg/L | | | 02/22/23 00:29 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 110 | | 5.0 | 5.0 | mg/L | | | 02/22/23 00:29 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 00:29 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 100 | | 10 | 10 | mg/L | | | 02/21/23 12:39 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/21/23 11:30 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 7.21 | | | | SU | | | 02/15/23 10:05 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWA-5

Lab Sample ID: 680-230721-5

Date Collected: 02/14/23 14:25

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 1.3 | | 1.0 | 0.20 | mg/L | | | 02/21/23 12:32 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 02/21/23 12:32 | 1 |
| Sulfate | 0.66 | J | 1.0 | 0.40 | mg/L | | | 02/21/23 12:32 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Barium | 0.018 | | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Boron | 0.030 | J B | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Calcium | 1.3 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Cobalt | 0.0011 | J | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Iron | 0.055 | | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Magnesium | 0.78 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Manganese | 0.0066 | | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Potassium | 1.3 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Sodium | 1.6 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 21:08 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:49 | 02/22/23 14:29 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 97 | | 5.0 | 5.0 | mg/L | | | 02/21/23 18:34 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 97 | | 5.0 | 5.0 | mg/L | | | 02/21/23 18:34 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/21/23 18:34 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 24 | | 10 | 10 | mg/L | | | 02/20/23 12:27 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/20/23 11:44 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 5.30 | | | | SU | | | 02/14/23 14:25 | 1 |

Eurofins Savannah

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWA-6

Lab Sample ID: 680-230721-6

Date Collected: 02/14/23 15:53

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 1.5 | | 1.0 | 0.20 | mg/L | | | 02/21/23 12:45 | 1 |
| Fluoride | 0.11 | | 0.10 | 0.040 | mg/L | | | 02/21/23 12:45 | 1 |
| Sulfate | 7.9 | | 1.0 | 0.40 | mg/L | | | 02/21/23 12:45 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Barium | 0.0078 | J | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Boron | <0.022 | | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Calcium | 29 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Iron | 0.28 | | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Lithium | 0.0045 | J | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Magnesium | 2.4 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Manganese | 0.15 | | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Potassium | 3.4 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Sodium | 6.1 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 21:37 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:49 | 02/22/23 14:50 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 150 | | 5.0 | 5.0 | mg/L | | | 02/22/23 00:39 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 150 | | 5.0 | 5.0 | mg/L | | | 02/22/23 00:39 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 00:39 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 120 | | 10 | 10 | mg/L | | | 02/20/23 12:27 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/20/23 11:44 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 7.78 | | | | SU | | | 02/14/23 15:53 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWA-7

Lab Sample ID: 680-230721-7

Date Collected: 02/14/23 15:40

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 1.8 | | 1.0 | 0.20 | mg/L | | | 02/21/23 12:58 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 02/21/23 12:58 | 1 |
| Sulfate | <0.40 | | 1.0 | 0.40 | mg/L | | | 02/21/23 12:58 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Barium | 0.011 | | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Boron | 0.033 | J B | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Calcium | 1.3 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Magnesium | 0.69 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Manganese | 0.0024 | J | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Potassium | 0.89 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Sodium | 2.7 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 21:00 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:49 | 02/22/23 14:15 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 160 | | 5.0 | 5.0 | mg/L | | | 02/22/23 00:59 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 160 | | 5.0 | 5.0 | mg/L | | | 02/22/23 00:59 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 00:59 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 24 | | 10 | 10 | mg/L | | | 02/20/23 12:27 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/20/23 11:44 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 5.44 | | | | SU | | | 02/14/23 15:40 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWA-18

Lab Sample ID: 680-230721-8

Date Collected: 02/14/23 14:20

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 1.9 | | 1.0 | 0.20 | mg/L | | | 02/21/23 13:11 | 1 |
| Fluoride | 0.053 | J | 0.10 | 0.040 | mg/L | | | 02/21/23 13:11 | 1 |
| Sulfate | 7.3 | | 1.0 | 0.40 | mg/L | | | 02/21/23 13:11 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Barium | 0.013 | | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Boron | <0.022 | | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Calcium | 5.7 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Cobalt | 0.0010 | J | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Iron | 0.11 | | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Magnesium | 1.3 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Manganese | 0.11 | | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Potassium | 2.5 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Sodium | 4.4 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 22:10 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:57 | 02/22/23 12:59 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 83 | | 5.0 | 5.0 | mg/L | | | 02/22/23 00:49 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 83 | | 5.0 | 5.0 | mg/L | | | 02/22/23 00:49 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 00:49 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 42 | | 10 | 10 | mg/L | | | 02/20/23 12:27 | 1 |
| Sulfide (SM 4500 S2 F-2011) | 1.2 | | 0.81 | 0.81 | mg/L | | | 02/20/23 14:36 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 5.89 | | | | SU | | | 02/14/23 14:20 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWC-15

Lab Sample ID: 680-230721-9

Date Collected: 02/15/23 11:15

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 1.0 | | 1.0 | 0.20 | mg/L | | | 02/21/23 18:40 | 1 |
| Fluoride | 0.73 | | 0.10 | 0.040 | mg/L | | | 02/21/23 18:40 | 1 |
| Sulfate | 14 | | 1.0 | 0.40 | mg/L | | | 02/21/23 18:40 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Barium | 0.029 | | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Boron | <0.022 | | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Calcium | 31 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Iron | 0.012 | J | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Lithium | 0.0062 | | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Magnesium | 5.0 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Manganese | 0.0074 | | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Molybdenum | 0.0027 | J | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Potassium | 1.5 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Sodium | 10 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 21:57 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:57 | 02/22/23 12:35 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 130 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:24 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 130 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:24 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:24 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 130 | | 10 | 10 | mg/L | | | 02/21/23 12:39 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.83 | | 0.83 | 0.83 | mg/L | | | 02/21/23 11:30 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 7.72 | | | | SU | | | 02/15/23 11:15 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWC-16

Lab Sample ID: 680-230721-10

Date Collected: 02/15/23 12:20

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 42 | | 1.0 | 0.20 | mg/L | | | 02/21/23 18:53 | 1 |
| Fluoride | 0.076 | J | 0.10 | 0.040 | mg/L | | | 02/21/23 18:53 | 1 |
| Sulfate | 54 | | 1.0 | 0.40 | mg/L | | | 02/21/23 18:53 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Barium | 0.044 | | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Boron | 0.86 | B | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Cadmium | 0.000085 | J | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Calcium | 26 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Lithium | 0.0044 | J | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Magnesium | 8.4 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Manganese | 0.017 | | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Potassium | 2.8 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Selenium | 0.0019 | J | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Sodium | 12 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 21:29 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:49 | 02/22/23 14:32 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 260 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:34 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 260 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:34 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:34 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 160 | | 40 | 40 | mg/L | | | 02/21/23 12:39 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.83 | | 0.83 | 0.83 | mg/L | | | 02/21/23 11:30 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 5.19 | | | | SU | | | 02/15/23 12:20 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWC-25

Lab Sample ID: 680-230721-11

Date Collected: 02/15/23 15:00

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 79 | | 1.0 | 0.20 | mg/L | | | 02/21/23 19:06 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 02/21/23 19:06 | 1 |
| Sulfate | 27 | | 1.0 | 0.40 | mg/L | | | 02/21/23 19:06 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Barium | 0.33 | | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Beryllium | 0.00026 | J | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Boron | 0.89 | B | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Cadmium | 0.00010 | J | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Calcium | 18 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Cobalt | 0.0049 | | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Iron | 0.11 | | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Lithium | 0.0031 | J | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Magnesium | 22 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Manganese | 0.27 | | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Potassium | 3.8 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Sodium | 12 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 21:45 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:49 | 02/22/23 14:53 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 8.0 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:41 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 8.0 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:41 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:41 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 200 | | 40 | 40 | mg/L | | | 02/21/23 12:39 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.83 | | 0.83 | 0.83 | mg/L | | | 02/21/23 11:30 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 5.36 | | | | SU | | | 02/15/23 15:00 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWC-22

Lab Sample ID: 680-230721-12

Date Collected: 02/15/23 14:40

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 4.6 | | 1.0 | 0.20 | mg/L | | | 02/21/23 19:19 | 1 |
| Fluoride | 0.31 | | 0.10 | 0.040 | mg/L | | | 02/21/23 19:19 | 1 |
| Sulfate | 110 | | 1.0 | 0.40 | mg/L | | | 02/21/23 19:19 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | 0.0012 | J | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Barium | 0.033 | | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Beryllium | 0.00067 | J | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Boron | 0.39 | B | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Cadmium | 0.00028 | J | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Calcium | 26 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Iron | 0.13 | | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Lead | 0.00023 | J | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Lithium | 0.0090 | | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Magnesium | 6.4 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Manganese | 0.018 | | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Potassium | 6.3 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Selenium | 0.0077 | | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Sodium | 24 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 22:14 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:50 | 02/22/23 15:10 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 340 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:53 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 340 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:53 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/21/23 20:53 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 210 | | 40 | 40 | mg/L | | | 02/21/23 12:39 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/21/23 11:30 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 5.47 | | | | SU | | | 02/15/23 14:40 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWC-24

Lab Sample ID: 680-230721-13

Date Collected: 02/15/23 13:20

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 39 | | 1.0 | 0.20 | mg/L | | | 02/21/23 19:33 | 1 |
| Fluoride | 0.63 | | 0.10 | 0.040 | mg/L | | | 02/21/23 19:33 | 1 |
| Sulfate | 120 | | 1.0 | 0.40 | mg/L | | | 02/21/23 19:33 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Barium | 0.036 | | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Beryllium | 0.0099 | | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Boron | 1.4 | B | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Cadmium | 0.00057 | J | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Calcium | 39 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Cobalt | 0.084 | | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Lead | 0.00056 | J | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Lithium | 0.0068 | | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Magnesium | 7.7 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Manganese | 2.8 | | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Potassium | 8.8 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Sodium | 9.9 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |
| Thallium | 0.00045 | J | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 20:52 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:49 | 02/22/23 14:08 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 9.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 01:36 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 9.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 01:36 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 01:36 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 230 | | 40 | 40 | mg/L | | | 02/21/23 12:39 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.83 | | 0.83 | 0.83 | mg/L | | | 02/21/23 11:30 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 4.54 | | | | SU | | | 02/15/23 13:20 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWC-9

Lab Sample ID: 680-230721-14

Date Collected: 02/15/23 16:15

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 3.9 | | 1.0 | 0.20 | mg/L | | | 02/22/23 00:35 | 1 |
| Fluoride | 0.85 | | 0.10 | 0.040 | mg/L | | | 02/22/23 00:35 | 1 |
| Sulfate | 65 | | 1.0 | 0.40 | mg/L | | | 02/22/23 00:35 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | 0.00048 | J | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Barium | <0.00089 | | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Beryllium | 0.00044 | J | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Boron | 0.69 | B | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Calcium | 11 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Lithium | 0.033 | | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Magnesium | 3.1 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Manganese | 0.0052 | | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Molybdenum | 0.0025 | J | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Potassium | 1.5 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Selenium | 0.0037 | J | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Sodium | 25 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 20:40 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:49 | 02/22/23 14:12 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 140 | | 5.0 | 5.0 | mg/L | | | 02/22/23 01:52 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 140 | | 5.0 | 5.0 | mg/L | | | 02/22/23 01:52 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 01:52 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 160 | | 10 | 10 | mg/L | | | 02/21/23 12:39 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.83 | | 0.83 | 0.83 | mg/L | | | 02/21/23 11:30 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 5.86 | | | | SU | | | 02/15/23 16:15 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWC-23

Lab Sample ID: 680-230721-15

Date Collected: 02/15/23 16:15

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 2.9 | | 1.0 | 0.20 | mg/L | | | 02/21/23 22:50 | 1 |
| Fluoride | 0.048 | J | 0.10 | 0.040 | mg/L | | | 02/21/23 22:50 | 1 |
| Sulfate | 5.2 | | 1.0 | 0.40 | mg/L | | | 02/21/23 22:50 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | 0.0022 | | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Barium | 0.0055 | J | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Beryllium | 0.0012 | J | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Boron | 0.049 | J B | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Calcium | 2.4 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Lead | 0.0046 | | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Magnesium | 0.45 | J | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Manganese | 0.0038 | J | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Potassium | 2.2 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Selenium | 0.0026 | J | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Sodium | 13 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 20:56 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:49 | 02/22/23 14:19 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 82 | | 5.0 | 5.0 | mg/L | | | 02/21/23 21:02 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 82 | | 5.0 | 5.0 | mg/L | | | 02/21/23 21:02 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/21/23 21:02 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 71 | | 10 | 10 | mg/L | | | 02/21/23 12:39 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.83 | | 0.83 | 0.83 | mg/L | | | 02/21/23 11:30 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 5.49 | | | | SU | | | 02/15/23 16:15 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-AP1-FD-01

Lab Sample ID: 680-230721-16

Date Collected: 02/15/23 00:00

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 42 | | 1.0 | 0.20 | mg/L | | | 02/21/23 23:03 | 1 |
| Fluoride | 0.074 | J | 0.10 | 0.040 | mg/L | | | 02/21/23 23:03 | 1 |
| Sulfate | 54 | | 1.0 | 0.40 | mg/L | | | 02/21/23 23:03 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Barium | 0.043 | | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Boron | 0.82 | B | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Cadmium | 0.00011 | J | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Calcium | 24 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Iron | 0.015 | J | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Lithium | 0.0040 | J | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Magnesium | 8.2 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Manganese | 0.018 | | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Potassium | 2.7 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Selenium | 0.0016 | J | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Sodium | 11 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 21:21 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:49 | 02/22/23 14:36 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 30 | | 5.0 | 5.0 | mg/L | | | 02/22/23 01:07 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 27 | | 5.0 | 5.0 | mg/L | | | 02/22/23 01:07 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 01:07 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 170 | | 40 | 40 | mg/L | | | 02/21/23 12:39 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.83 | | 0.83 | 0.83 | mg/L | | | 02/21/23 11:30 | 1 |

Client Sample ID: WAN-AP1-FB-07

Lab Sample ID: 680-230721-17

Date Collected: 02/15/23 13:15

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.20 | | 1.0 | 0.20 | mg/L | | | 02/21/23 23:16 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 02/21/23 23:16 | 1 |
| Sulfate | <0.40 | | 1.0 | 0.40 | mg/L | | | 02/21/23 23:16 | 1 |

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Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-AP1-FB-07

Lab Sample ID: 680-230721-17

Date Collected: 02/15/23 13:15

Matrix: Water

Date Received: 02/17/23 06:30

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|--------------|------------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Barium | 0.016 | | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Boron | 0.024 | J B | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Calcium | <0.14 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Magnesium | <0.023 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Manganese | <0.0022 | | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Potassium | <0.044 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Sodium | <0.20 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 21:25 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:49 | 02/22/23 14:26 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|------------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 110 | | 5.0 | 5.0 | mg/L | | | 02/21/23 21:12 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 110 | | 5.0 | 5.0 | mg/L | | | 02/21/23 21:12 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/21/23 21:12 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | <10 | | 10 | 10 | mg/L | | | 02/21/23 12:39 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/21/23 11:30 | 1 |

Client Sample ID: WAN-AP1-EB-01

Lab Sample ID: 680-230721-18

Date Collected: 02/15/23 16:30

Matrix: Water

Date Received: 02/17/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.20 | | 1.0 | 0.20 | mg/L | | | 02/21/23 23:29 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 02/21/23 23:29 | 1 |
| Sulfate | <0.40 | | 1.0 | 0.40 | mg/L | | | 02/21/23 23:29 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|---------------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |
| Barium | 0.0046 | J | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |

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Client Sample Results

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-AP1-EB-01

Lab Sample ID: 680-230721-18

Date Collected: 02/15/23 16:30

Matrix: Water

Date Received: 02/17/23 06:30

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------------|------------|--------|----------|------|---|----------------|----------------|---------|
| Boron | 0.022 | J B | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |
| Calcium | <0.14 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |
| Magnesium | <0.023 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |
| Manganese | <0.0022 | | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |
| Potassium | <0.044 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |
| Sodium | <0.20 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 21:33 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:49 | 02/22/23 14:46 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|------------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 130 | | 5.0 | 5.0 | mg/L | | | 02/21/23 21:22 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 130 | | 5.0 | 5.0 | mg/L | | | 02/21/23 21:22 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/21/23 21:22 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | <10 | | 10 | 10 | mg/L | | | 02/21/23 12:39 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/21/23 11:30 | 1 |

QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 680-764277/2
Matrix: Water
Analysis Batch: 764277

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.20 | | 1.0 | 0.20 | mg/L | | | 02/21/23 10:16 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 02/21/23 10:16 | 1 |
| Sulfate | <0.40 | | 1.0 | 0.40 | mg/L | | | 02/21/23 10:16 | 1 |

Lab Sample ID: LCS 680-764277/4
Matrix: Water
Analysis Batch: 764277

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 10.0 | 10.6 | | mg/L | | 106 | 90 - 110 |
| Fluoride | 2.00 | 2.15 | | mg/L | | 107 | 90 - 110 |
| Sulfate | 10.0 | 10.3 | | mg/L | | 103 | 90 - 110 |

Lab Sample ID: LCSD 680-764277/5
Matrix: Water
Analysis Batch: 764277

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Chloride | 10.0 | 10.6 | | mg/L | | 106 | 90 - 110 | 0 | 15 |
| Fluoride | 2.00 | 2.19 | | mg/L | | 109 | 90 - 110 | 2 | 15 |
| Sulfate | 10.0 | 10.6 | | mg/L | | 106 | 90 - 110 | 2 | 15 |

Lab Sample ID: 680-230721-1 MS
Matrix: Water
Analysis Batch: 764277

Client Sample ID: WAN-WGWA-1
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Chloride | 3.9 | | 10.0 | 14.2 | | mg/L | | 103 | 80 - 120 |
| Fluoride | <0.040 | | 2.00 | 2.20 | | mg/L | | 110 | 80 - 120 |
| Sulfate | <0.40 | | 10.0 | 9.84 | | mg/L | | 98 | 80 - 120 |

Lab Sample ID: 680-230721-1 MSD
Matrix: Water
Analysis Batch: 764277

Client Sample ID: WAN-WGWA-1
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Chloride | 3.9 | | 10.0 | 14.0 | | mg/L | | 102 | 80 - 120 | 1 | 15 |
| Fluoride | <0.040 | | 2.00 | 2.17 | | mg/L | | 108 | 80 - 120 | 1 | 15 |
| Sulfate | <0.40 | | 10.0 | 9.93 | | mg/L | | 99 | 80 - 120 | 1 | 15 |

Lab Sample ID: MB 680-764278/33
Matrix: Water
Analysis Batch: 764278

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.20 | | 1.0 | 0.20 | mg/L | | | 02/21/23 17:21 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 02/21/23 17:21 | 1 |
| Sulfate | <0.40 | | 1.0 | 0.40 | mg/L | | | 02/21/23 17:21 | 1 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 680-764278/34
Matrix: Water
Analysis Batch: 764278

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 10.0 | 10.5 | | mg/L | | 105 | 90 - 110 |
| Fluoride | 2.00 | 2.13 | | mg/L | | 107 | 90 - 110 |
| Sulfate | 10.0 | 10.3 | | mg/L | | 103 | 90 - 110 |

Lab Sample ID: LCSD 680-764278/35
Matrix: Water
Analysis Batch: 764278

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Chloride | 10.0 | 10.5 | | mg/L | | 105 | 90 - 110 | 0 | 15 |
| Fluoride | 2.00 | 2.15 | | mg/L | | 107 | 90 - 110 | 1 | 15 |
| Sulfate | 10.0 | 10.4 | | mg/L | | 104 | 90 - 110 | 1 | 15 |

Lab Sample ID: 680-230721-4 MS
Matrix: Water
Analysis Batch: 764278

Client Sample ID: WAN-WGWA-4
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Chloride | 1.2 | | 10.0 | 10.9 | | mg/L | | 97 | 80 - 120 |
| Fluoride | 0.14 | | 2.00 | 2.19 | | mg/L | | 103 | 80 - 120 |
| Sulfate | 7.8 | | 10.0 | 17.4 | | mg/L | | 96 | 80 - 120 |

Lab Sample ID: 680-230721-4 MSD
Matrix: Water
Analysis Batch: 764278

Client Sample ID: WAN-WGWA-4
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Chloride | 1.2 | | 10.0 | 10.9 | | mg/L | | 97 | 80 - 120 | 0 | 15 |
| Fluoride | 0.14 | | 2.00 | 2.19 | | mg/L | | 103 | 80 - 120 | 0 | 15 |
| Sulfate | 7.8 | | 10.0 | 17.5 | | mg/L | | 97 | 80 - 120 | 1 | 15 |

Lab Sample ID: 680-230722-G-6 MS
Matrix: Water
Analysis Batch: 764278

Client Sample ID: Matrix Spike
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Chloride | 60 | | 10.0 | 70.0 | 4 | mg/L | | 97 | 80 - 120 |
| Fluoride | <0.040 | | 2.00 | 2.23 | | mg/L | | 111 | 80 - 120 |
| Sulfate | 43 | | 10.0 | 52.8 | 4 | mg/L | | 101 | 80 - 120 |

Lab Sample ID: 680-230722-G-6 MSD
Matrix: Water
Analysis Batch: 764278

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Chloride | 60 | | 10.0 | 70.0 | 4 | mg/L | | 97 | 80 - 120 | 0 | 15 |
| Fluoride | <0.040 | | 2.00 | 2.25 | | mg/L | | 112 | 80 - 120 | 1 | 15 |
| Sulfate | 43 | | 10.0 | 52.9 | 4 | mg/L | | 102 | 80 - 120 | 0 | 15 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 680-764279/63
Matrix: Water
Analysis Batch: 764279

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.20 | | 1.0 | 0.20 | mg/L | | | 02/21/23 23:56 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 02/21/23 23:56 | 1 |
| Sulfate | <0.40 | | 1.0 | 0.40 | mg/L | | | 02/21/23 23:56 | 1 |

Lab Sample ID: LCS 680-764279/64
Matrix: Water
Analysis Batch: 764279

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 10.0 | 10.4 | | mg/L | | 104 | 90 - 110 |
| Fluoride | 2.00 | 2.11 | | mg/L | | 106 | 90 - 110 |
| Sulfate | 10.0 | 10.3 | | mg/L | | 103 | 90 - 110 |

Lab Sample ID: LCSD 680-764279/65
Matrix: Water
Analysis Batch: 764279

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Chloride | 10.0 | 10.4 | | mg/L | | 104 | 90 - 110 | 0 | 15 |
| Fluoride | 2.00 | 2.11 | | mg/L | | 106 | 90 - 110 | 0 | 15 |
| Sulfate | 10.0 | 10.3 | | mg/L | | 103 | 90 - 110 | 0 | 15 |

Lab Sample ID: 680-230721-14 MS
Matrix: Water
Analysis Batch: 764279

Client Sample ID: WAN-WGWC-9
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Chloride | 3.9 | | 10.0 | 13.7 | | mg/L | | 98 | 80 - 120 |
| Fluoride | 0.85 | | 2.00 | 2.93 | | mg/L | | 104 | 80 - 120 |
| Sulfate | 65 | | 10.0 | 74.1 | 4 | mg/L | | 93 | 80 - 120 |

Lab Sample ID: 680-230721-14 MSD
Matrix: Water
Analysis Batch: 764279

Client Sample ID: WAN-WGWC-9
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Chloride | 3.9 | | 10.0 | 14.0 | | mg/L | | 102 | 80 - 120 | 3 | 15 |
| Fluoride | 0.85 | | 2.00 | 3.01 | | mg/L | | 108 | 80 - 120 | 3 | 15 |
| Sulfate | 65 | | 10.0 | 74.4 | 4 | mg/L | | 97 | 80 - 120 | 1 | 15 |

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-764052/1-A
Matrix: Water
Analysis Batch: 764211

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 764052

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |
| Barium | <0.00089 | | 0.010 | 0.00089 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

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

Lab Sample ID: MB 680-764052/1-A
Matrix: Water
Analysis Batch: 764211

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 764052

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |
| Boron | 0.0338 | J | 0.080 | 0.022 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |
| Calcium | <0.14 | | 0.50 | 0.14 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |
| Magnesium | <0.023 | | 0.50 | 0.023 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |
| Manganese | <0.0022 | | 0.0050 | 0.0022 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |
| Potassium | <0.044 | | 0.50 | 0.044 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |
| Sodium | <0.20 | | 0.50 | 0.20 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/20/23 09:18 | 02/20/23 20:32 | 1 |

Lab Sample ID: LCS 680-764052/2-A
Matrix: Water
Analysis Batch: 764211

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 764052

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------|-------------|------------|---------------|------|---|------|-------------|
| | | | | | | | |
| Arsenic | 0.100 | 0.103 | | mg/L | | 103 | 80 - 120 |
| Barium | 0.100 | 0.0952 | | mg/L | | 95 | 80 - 120 |
| Beryllium | 0.0500 | 0.0487 | | mg/L | | 97 | 80 - 120 |
| Boron | 0.200 | 0.222 | | mg/L | | 111 | 80 - 120 |
| Cadmium | 0.0500 | 0.0489 | | mg/L | | 98 | 80 - 120 |
| Calcium | 5.00 | 4.87 | | mg/L | | 97 | 80 - 120 |
| Chromium | 0.100 | 0.0942 | | mg/L | | 94 | 80 - 120 |
| Cobalt | 0.0500 | 0.0505 | | mg/L | | 101 | 80 - 120 |
| Iron | 5.00 | 5.00 | | mg/L | | 100 | 80 - 120 |
| Lead | 0.505 | 0.489 | | mg/L | | 97 | 80 - 120 |
| Lithium | 0.500 | 0.495 | | mg/L | | 99 | 80 - 120 |
| Magnesium | 5.01 | 5.00 | | mg/L | | 100 | 80 - 120 |
| Manganese | 0.400 | 0.394 | | mg/L | | 99 | 80 - 120 |
| Molybdenum | 0.100 | 0.103 | | mg/L | | 103 | 80 - 120 |
| Potassium | 6.97 | 6.84 | | mg/L | | 98 | 80 - 120 |
| Selenium | 0.100 | 0.104 | | mg/L | | 104 | 80 - 120 |
| Sodium | 5.05 | 5.05 | | mg/L | | 100 | 80 - 120 |
| Thallium | 0.0500 | 0.0463 | | mg/L | | 93 | 80 - 120 |

Lab Sample ID: 680-230721-14 MS
Matrix: Water
Analysis Batch: 764211

Client Sample ID: WAN-WGWC-9
Prep Type: Total Recoverable
Prep Batch: 764052

| Analyte | Sample | Sample | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|----------|-----------|-------------|-----------|--------------|------|---|------|-------------|
| | Result | Qualifier | | | | | | | |
| Antimony | 0.00048 | J | 0.0500 | 0.0500 | | mg/L | | 99 | 75 - 125 |
| Arsenic | <0.00086 | | 0.100 | 0.103 | | mg/L | | 103 | 75 - 125 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

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

Lab Sample ID: 680-230721-14 MS

Matrix: Water

Analysis Batch: 764211

Client Sample ID: WAN-WGWC-9

Prep Type: Total Recoverable

Prep Batch: 764052

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Barium | <0.00089 | | 0.100 | 0.0988 | | mg/L | | 99 | 75 - 125 |
| Beryllium | 0.00044 | J | 0.0500 | 0.0492 | | mg/L | | 97 | 75 - 125 |
| Boron | 0.69 | B | 0.200 | 0.837 | | mg/L | | 75 | 75 - 125 |
| Cadmium | <0.000078 | | 0.0500 | 0.0502 | | mg/L | | 100 | 75 - 125 |
| Calcium | 11 | | 5.00 | 16.2 | | mg/L | | 100 | 75 - 125 |
| Chromium | <0.0012 | | 0.100 | 0.0969 | | mg/L | | 97 | 75 - 125 |
| Cobalt | <0.00022 | | 0.0500 | 0.0525 | | mg/L | | 105 | 75 - 125 |
| Iron | <0.012 | | 5.00 | 5.25 | | mg/L | | 105 | 75 - 125 |
| Lead | <0.00021 | | 0.505 | 0.502 | | mg/L | | 100 | 75 - 125 |
| Lithium | 0.033 | | 0.500 | 0.538 | | mg/L | | 101 | 75 - 125 |
| Magnesium | 3.1 | | 5.01 | 8.27 | | mg/L | | 102 | 75 - 125 |
| Manganese | 0.0052 | | 0.400 | 0.414 | | mg/L | | 102 | 75 - 125 |
| Molybdenum | 0.0025 | J | 0.100 | 0.107 | | mg/L | | 105 | 75 - 125 |
| Potassium | 1.5 | | 6.97 | 8.63 | | mg/L | | 102 | 75 - 125 |
| Selenium | 0.0037 | J | 0.100 | 0.111 | | mg/L | | 107 | 75 - 125 |
| Sodium | 25 | | 5.05 | 29.3 | 4 | mg/L | | 91 | 75 - 125 |
| Thallium | <0.00026 | | 0.0500 | 0.0485 | | mg/L | | 97 | 75 - 125 |

Lab Sample ID: 680-230721-14 MSD

Matrix: Water

Analysis Batch: 764211

Client Sample ID: WAN-WGWC-9

Prep Type: Total Recoverable

Prep Batch: 764052

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Antimony | 0.00048 | J | 0.0500 | 0.0527 | | mg/L | | 104 | 75 - 125 | 5 | 20 |
| Arsenic | <0.00086 | | 0.100 | 0.110 | | mg/L | | 110 | 75 - 125 | 6 | 20 |
| Barium | <0.00089 | | 0.100 | 0.104 | | mg/L | | 104 | 75 - 125 | 5 | 20 |
| Beryllium | 0.00044 | J | 0.0500 | 0.0529 | | mg/L | | 105 | 75 - 125 | 7 | 20 |
| Boron | 0.69 | B | 0.200 | 0.877 | | mg/L | | 95 | 75 - 125 | 5 | 20 |
| Cadmium | <0.000078 | | 0.0500 | 0.0532 | | mg/L | | 106 | 75 - 125 | 6 | 20 |
| Calcium | 11 | | 5.00 | 16.5 | | mg/L | | 107 | 75 - 125 | 2 | 20 |
| Chromium | <0.0012 | | 0.100 | 0.102 | | mg/L | | 102 | 75 - 125 | 6 | 20 |
| Cobalt | <0.00022 | | 0.0500 | 0.0558 | | mg/L | | 112 | 75 - 125 | 6 | 20 |
| Iron | <0.012 | | 5.00 | 5.55 | | mg/L | | 111 | 75 - 125 | 6 | 20 |
| Lead | <0.00021 | | 0.505 | 0.533 | | mg/L | | 106 | 75 - 125 | 6 | 20 |
| Lithium | 0.033 | | 0.500 | 0.576 | | mg/L | | 109 | 75 - 125 | 7 | 20 |
| Magnesium | 3.1 | | 5.01 | 8.60 | | mg/L | | 109 | 75 - 125 | 4 | 20 |
| Manganese | 0.0052 | | 0.400 | 0.435 | | mg/L | | 107 | 75 - 125 | 5 | 20 |
| Molybdenum | 0.0025 | J | 0.100 | 0.114 | | mg/L | | 111 | 75 - 125 | 6 | 20 |
| Potassium | 1.5 | | 6.97 | 8.93 | | mg/L | | 106 | 75 - 125 | 3 | 20 |
| Selenium | 0.0037 | J | 0.100 | 0.116 | | mg/L | | 113 | 75 - 125 | 5 | 20 |
| Sodium | 25 | | 5.05 | 29.6 | 4 | mg/L | | 97 | 75 - 125 | 1 | 20 |
| Thallium | <0.00026 | | 0.0500 | 0.0510 | | mg/L | | 102 | 75 - 125 | 5 | 20 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-764333/12-A
Matrix: Water
Analysis Batch: 764581

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 764333

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:49 | 02/22/23 13:30 | 1 |

Lab Sample ID: LCS 680-764333/13-A
Matrix: Water
Analysis Batch: 764581

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 764333

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Mercury | 0.00250 | 0.00258 | | mg/L | | 103 | 80 - 120 |

Lab Sample ID: 680-230721-1 MS
Matrix: Water
Analysis Batch: 764581

Client Sample ID: WAN-WGWA-1
Prep Type: Total/NA
Prep Batch: 764333

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Mercury | <0.000080 | | 0.00100 | 0.000900 | | mg/L | | 90 | 80 - 120 |

Lab Sample ID: 680-230721-1 MSD
Matrix: Water
Analysis Batch: 764581

Client Sample ID: WAN-WGWA-1
Prep Type: Total/NA
Prep Batch: 764333

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Mercury | <0.000080 | | 0.00100 | 0.000919 | | mg/L | | 92 | 80 - 120 | 2 | 20 |

Lab Sample ID: MB 680-764336/1-A
Matrix: Water
Analysis Batch: 764581

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 764336

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:57 | 02/22/23 11:54 | 1 |

Lab Sample ID: LCS 680-764336/2-A
Matrix: Water
Analysis Batch: 764581

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 764336

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Mercury | 0.00250 | 0.00266 | | mg/L | | 107 | 80 - 120 |

Lab Sample ID: 680-230805-G-12-E MS
Matrix: Water
Analysis Batch: 764581

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 764336

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Mercury | <0.000080 | | 0.00100 | 0.000984 | | mg/L | | 98 | 80 - 120 |

Lab Sample ID: 680-230805-G-12-F MSD
Matrix: Water
Analysis Batch: 764581

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 764336

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Mercury | <0.000080 | | 0.00100 | 0.000998 | | mg/L | | 100 | 80 - 120 | 1 | 20 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-764461/4
Matrix: Water
Analysis Batch: 764461

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/21/23 16:52 | 1 |
| Bicarbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/21/23 16:52 | 1 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/21/23 16:52 | 1 |

Lab Sample ID: LCS 680-764461/6
Matrix: Water
Analysis Batch: 764461

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------|-------------|------------|---------------|------|---|------|-------------|
| Total Alkalinity as CaCO3 | 250 | 251 | | mg/L | | 100 | 90 - 112 |

Lab Sample ID: LCSD 680-764461/31
Matrix: Water
Analysis Batch: 764461

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Total Alkalinity as CaCO3 | 250 | 256 | | mg/L | | 102 | 90 - 112 | 2 | 30 |

Lab Sample ID: 680-230703-D-6 DU
Matrix: Water
Analysis Batch: 764461

Client Sample ID: Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------------------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Alkalinity as CaCO3 | 790 | | 799 | | mg/L | | 1 | 30 |
| Bicarbonate Alkalinity as CaCO3 | 790 | | 799 | | mg/L | | 1 | 30 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | <5.0 | | mg/L | | NC | 30 |

Lab Sample ID: 680-230705-C-1 DU
Matrix: Water
Analysis Batch: 764461

Client Sample ID: Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------------------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Alkalinity as CaCO3 | 450 | | 449 | | mg/L | | 1 | 30 |
| Bicarbonate Alkalinity as CaCO3 | 450 | | 449 | | mg/L | | 1 | 30 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | <5.0 | | mg/L | | NC | 30 |

Lab Sample ID: MB 680-764465/4
Matrix: Water
Analysis Batch: 764465

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:02 | 1 |
| Bicarbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:02 | 1 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:02 | 1 |

QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: LCS 680-764465/6
Matrix: Water
Analysis Batch: 764465

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------|-------------|------------|---------------|------|---|------|-------------|
| Total Alkalinity as CaCO3 | 250 | 251 | | mg/L | | 101 | 90 - 112 |

Lab Sample ID: LCSD 680-764465/31
Matrix: Water
Analysis Batch: 764465

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Total Alkalinity as CaCO3 | 250 | 254 | | mg/L | | 102 | 90 - 112 | 1 | 30 |

Lab Sample ID: 680-230721-13 DU
Matrix: Water
Analysis Batch: 764465

Client Sample ID: WAN-WGWC-24
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------------------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Alkalinity as CaCO3 | 9.0 | | 6.64 | | mg/L | | 30 | 30 |
| Bicarbonate Alkalinity as CaCO3 | 9.0 | | 6.64 | | mg/L | | 30 | 30 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | <5.0 | | mg/L | | NC | 30 |

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-764123/1
Matrix: Water
Analysis Batch: 764123

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|----|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | <10 | | 10 | 10 | mg/L | | | 02/20/23 12:27 | 1 |

Lab Sample ID: LCS 680-764123/2
Matrix: Water
Analysis Batch: 764123

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------------|-------------|------------|---------------|------|---|------|-------------|
| Total Dissolved Solids | 2340 | 2370 | | mg/L | | 101 | 80 - 120 |

Lab Sample ID: LCSD 680-764123/3
Matrix: Water
Analysis Batch: 764123

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Total Dissolved Solids | 2340 | 2340 | | mg/L | | 100 | 80 - 120 | 1 | 25 |

Lab Sample ID: 680-230617-C-1 DU
Matrix: Water
Analysis Batch: 764123

Client Sample ID: Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|------------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Dissolved Solids | 1200 | | 1250 | | mg/L | | 0.2 | 5 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C) (Continued)

Lab Sample ID: 680-230640-AD-1 DU
Matrix: Water
Analysis Batch: 764123

Client Sample ID: Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|------------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Dissolved Solids | 260 | | 234 | F3 | mg/L | | 11 | 5 |

Lab Sample ID: MB 680-764319/1
Matrix: Water
Analysis Batch: 764319

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|----|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | <10 | | 10 | 10 | mg/L | | | 02/21/23 12:39 | 1 |

Lab Sample ID: LCS 680-764319/2
Matrix: Water
Analysis Batch: 764319

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------------|-------------|------------|---------------|------|---|------|-------------|
| Total Dissolved Solids | 2340 | 2430 | | mg/L | | 104 | 80 - 120 |

Lab Sample ID: LCSD 680-764319/3
Matrix: Water
Analysis Batch: 764319

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Total Dissolved Solids | 2340 | 2430 | | mg/L | | 104 | 80 - 120 | 0 | 25 |

Lab Sample ID: 680-230617-B-2 DU
Matrix: Water
Analysis Batch: 764319

Client Sample ID: Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|------------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Dissolved Solids | 1200 | | 1220 | | mg/L | | 1 | 5 |

Lab Sample ID: 680-230730-X-1 DU
Matrix: Water
Analysis Batch: 764319

Client Sample ID: Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|------------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Dissolved Solids | 230 | | 232 | | mg/L | | 3 | 5 |

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: MB 680-764112/1
Matrix: Water
Analysis Batch: 764112

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Sulfide | <1.0 | | 1.0 | 1.0 | mg/L | | | 02/20/23 11:44 | 1 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Method: 4500 S2 F-2011 - Sulfide, Total (Continued)

Lab Sample ID: LCS 680-764112/2
Matrix: Water
Analysis Batch: 764112

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Sulfide | 10.0 | 8.90 | | mg/L | | 89 | 75 - 125 |

Lab Sample ID: LCSD 680-764112/3
Matrix: Water
Analysis Batch: 764112

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Sulfide | 10.0 | 9.09 | | mg/L | | 91 | 75 - 125 | 2 | 30 |

Lab Sample ID: 680-230678-D-4 MS
Matrix: Water
Analysis Batch: 764112

Client Sample ID: Matrix Spike
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Sulfide | <0.81 | | 6.50 | 5.48 | | mg/L | | 84 | 75 - 125 |

Lab Sample ID: 680-230678-D-4 MSD
Matrix: Water
Analysis Batch: 764112

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Sulfide | <0.81 | | 6.50 | 5.48 | | mg/L | | 84 | 75 - 125 | 0 | 30 |

Lab Sample ID: 680-230571-O-1 DU
Matrix: Water
Analysis Batch: 764112

Client Sample ID: Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Sulfide | 1.3 | | 1.52 | | mg/L | | 18 | 30 |

Lab Sample ID: MB 680-764160/1
Matrix: Water
Analysis Batch: 764160

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Sulfide | <1.0 | | 1.0 | 1.0 | mg/L | | | 02/20/23 14:36 | 1 |

Lab Sample ID: LCS 680-764160/2
Matrix: Water
Analysis Batch: 764160

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Sulfide | 10.0 | 8.44 | | mg/L | | 84 | 75 - 125 |

Lab Sample ID: LCSD 680-764160/3
Matrix: Water
Analysis Batch: 764160

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Sulfide | 10.0 | 8.87 | | mg/L | | 89 | 75 - 125 | 5 | 30 |

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QC Sample Results

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: 680-230725-D-15 MS
Matrix: Water
Analysis Batch: 764160

Client Sample ID: Matrix Spike
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Sulfide | <0.81 | | 6.50 | 6.73 | | mg/L | | 104 | 75 - 125 |

Lab Sample ID: 680-230725-D-15 MSD
Matrix: Water
Analysis Batch: 764160

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Sulfide | <0.81 | | 6.50 | 6.73 | | mg/L | | 104 | 75 - 125 | 0 | 30 |

Lab Sample ID: 680-230725-D-8 DU
Matrix: Water
Analysis Batch: 764160

Client Sample ID: Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Sulfide | <0.81 | | <0.81 | | mg/L | | NC | 30 |

Lab Sample ID: MB 680-764297/1
Matrix: Water
Analysis Batch: 764297

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Sulfide | <1.0 | | 1.0 | 1.0 | mg/L | | | 02/21/23 11:30 | 1 |

Lab Sample ID: LCS 680-764297/2
Matrix: Water
Analysis Batch: 764297

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Sulfide | 10.0 | 9.08 | | mg/L | | 91 | 75 - 125 |

Lab Sample ID: LCSD 680-764297/3
Matrix: Water
Analysis Batch: 764297

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Sulfide | 10.0 | 8.90 | | mg/L | | 89 | 75 - 125 | 2 | 30 |

Lab Sample ID: LLCS 680-764297/4
Matrix: Water
Analysis Batch: 764297

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

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|-------------|----------------|------|---|------|-------------|
| Sulfide | 1.00 | <1.0 | | mg/L | | 90 | |

Lab Sample ID: 680-230721-9 MS
Matrix: Water
Analysis Batch: 764297

Client Sample ID: WAN-WGWC-15
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Sulfide | <0.83 | | 6.94 | 7.57 | | mg/L | | 109 | 75 - 125 |

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QC Sample Results

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: 680-230721-9 MSD
Matrix: Water
Analysis Batch: 764297

Client Sample ID: WAN-WGWC-15
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Sulfide | <0.83 | | 6.94 | 7.57 | | mg/L | | 109 | 75 - 125 | 0 | 30 |

Lab Sample ID: 680-230640-O-1 DU
Matrix: Water
Analysis Batch: 764297

Client Sample ID: Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Sulfide | <0.86 | | <0.81 | | mg/L | | NC | 30 |



QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

HPLC/IC

Analysis Batch: 764277

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|-----------------|------------|
| 680-230721-1 | WAN-WGWA-1 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-2 | WAN-WGWA-2 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-3 | WAN-WGWA-3 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-5 | WAN-WGWA-5 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-6 | WAN-WGWA-6 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-7 | WAN-WGWA-7 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-8 | WAN-WGWA-18 | Total/NA | Water | 300.0-1993 R2.1 | |
| MB 680-764277/2 | Method Blank | Total/NA | Water | 300.0-1993 R2.1 | |
| LCS 680-764277/4 | Lab Control Sample | Total/NA | Water | 300.0-1993 R2.1 | |
| LCSD 680-764277/5 | Lab Control Sample Dup | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-1 MS | WAN-WGWA-1 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-1 MSD | WAN-WGWA-1 | Total/NA | Water | 300.0-1993 R2.1 | |

Analysis Batch: 764278

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-----------------|------------|
| 680-230721-4 | WAN-WGWA-4 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-9 | WAN-WGWC-15 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-10 | WAN-WGWC-16 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-11 | WAN-WGWC-25 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-12 | WAN-WGWC-22 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-13 | WAN-WGWC-24 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-15 | WAN-WGWC-23 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-16 | WAN-AP1-FD-01 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-17 | WAN-AP1-FB-07 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-18 | WAN-AP1-EB-01 | Total/NA | Water | 300.0-1993 R2.1 | |
| MB 680-764278/33 | Method Blank | Total/NA | Water | 300.0-1993 R2.1 | |
| LCS 680-764278/34 | Lab Control Sample | Total/NA | Water | 300.0-1993 R2.1 | |
| LCSD 680-764278/35 | Lab Control Sample Dup | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-4 MS | WAN-WGWA-4 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-4 MSD | WAN-WGWA-4 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230722-G-6 MS | Matrix Spike | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230722-G-6 MSD | Matrix Spike Duplicate | Total/NA | Water | 300.0-1993 R2.1 | |

Analysis Batch: 764279

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-----------------|------------|
| 680-230721-14 | WAN-WGWC-9 | Total/NA | Water | 300.0-1993 R2.1 | |
| MB 680-764279/63 | Method Blank | Total/NA | Water | 300.0-1993 R2.1 | |
| LCS 680-764279/64 | Lab Control Sample | Total/NA | Water | 300.0-1993 R2.1 | |
| LCSD 680-764279/65 | Lab Control Sample Dup | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-14 MS | WAN-WGWC-9 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230721-14 MSD | WAN-WGWC-9 | Total/NA | Water | 300.0-1993 R2.1 | |

Metals

Prep Batch: 764052

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-------------------|--------|--------|------------|
| 680-230721-1 | WAN-WGWA-1 | Total Recoverable | Water | 3005A | |
| 680-230721-2 | WAN-WGWA-2 | Total Recoverable | Water | 3005A | |
| 680-230721-3 | WAN-WGWA-3 | Total Recoverable | Water | 3005A | |
| 680-230721-4 | WAN-WGWA-4 | Total Recoverable | Water | 3005A | |
| 680-230721-5 | WAN-WGWA-5 | Total Recoverable | Water | 3005A | |

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QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Metals (Continued)

Prep Batch: 764052 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-------------------|--------|--------|------------|
| 680-230721-6 | WAN-WGWA-6 | Total Recoverable | Water | 3005A | |
| 680-230721-7 | WAN-WGWA-7 | Total Recoverable | Water | 3005A | |
| 680-230721-8 | WAN-WGWA-18 | Total Recoverable | Water | 3005A | |
| 680-230721-9 | WAN-WGWC-15 | Total Recoverable | Water | 3005A | |
| 680-230721-10 | WAN-WGWC-16 | Total Recoverable | Water | 3005A | |
| 680-230721-11 | WAN-WGWC-25 | Total Recoverable | Water | 3005A | |
| 680-230721-12 | WAN-WGWC-22 | Total Recoverable | Water | 3005A | |
| 680-230721-13 | WAN-WGWC-24 | Total Recoverable | Water | 3005A | |
| 680-230721-14 | WAN-WGWC-9 | Total Recoverable | Water | 3005A | |
| 680-230721-15 | WAN-WGWC-23 | Total Recoverable | Water | 3005A | |
| 680-230721-16 | WAN-AP1-FD-01 | Total Recoverable | Water | 3005A | |
| 680-230721-17 | WAN-AP1-FB-07 | Total Recoverable | Water | 3005A | |
| 680-230721-18 | WAN-AP1-EB-01 | Total Recoverable | Water | 3005A | |
| MB 680-764052/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 680-764052/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| 680-230721-14 MS | WAN-WGWC-9 | Total Recoverable | Water | 3005A | |
| 680-230721-14 MSD | WAN-WGWC-9 | Total Recoverable | Water | 3005A | |

Analysis Batch: 764211

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-------------------|--------|--------|------------|
| 680-230721-1 | WAN-WGWA-1 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-2 | WAN-WGWA-2 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-3 | WAN-WGWA-3 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-4 | WAN-WGWA-4 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-5 | WAN-WGWA-5 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-6 | WAN-WGWA-6 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-7 | WAN-WGWA-7 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-8 | WAN-WGWA-18 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-9 | WAN-WGWC-15 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-10 | WAN-WGWC-16 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-11 | WAN-WGWC-25 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-12 | WAN-WGWC-22 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-13 | WAN-WGWC-24 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-14 | WAN-WGWC-9 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-15 | WAN-WGWC-23 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-16 | WAN-AP1-FD-01 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-17 | WAN-AP1-FB-07 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-18 | WAN-AP1-EB-01 | Total Recoverable | Water | 6020B | 764052 |
| MB 680-764052/1-A | Method Blank | Total Recoverable | Water | 6020B | 764052 |
| LCS 680-764052/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-14 MS | WAN-WGWC-9 | Total Recoverable | Water | 6020B | 764052 |
| 680-230721-14 MSD | WAN-WGWC-9 | Total Recoverable | Water | 6020B | 764052 |

Prep Batch: 764333

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 680-230721-1 | WAN-WGWA-1 | Total/NA | Water | 7470A | |
| 680-230721-2 | WAN-WGWA-2 | Total/NA | Water | 7470A | |
| 680-230721-3 | WAN-WGWA-3 | Total/NA | Water | 7470A | |
| 680-230721-4 | WAN-WGWA-4 | Total/NA | Water | 7470A | |
| 680-230721-5 | WAN-WGWA-5 | Total/NA | Water | 7470A | |
| 680-230721-6 | WAN-WGWA-6 | Total/NA | Water | 7470A | |

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QC Association Summary

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Metals (Continued)

Prep Batch: 764333 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 680-230721-7 | WAN-WGWA-7 | Total/NA | Water | 7470A | |
| 680-230721-10 | WAN-WGWC-16 | Total/NA | Water | 7470A | |
| 680-230721-11 | WAN-WGWC-25 | Total/NA | Water | 7470A | |
| 680-230721-12 | WAN-WGWC-22 | Total/NA | Water | 7470A | |
| 680-230721-13 | WAN-WGWC-24 | Total/NA | Water | 7470A | |
| 680-230721-14 | WAN-WGWC-9 | Total/NA | Water | 7470A | |
| 680-230721-15 | WAN-WGWC-23 | Total/NA | Water | 7470A | |
| 680-230721-16 | WAN-AP1-FD-01 | Total/NA | Water | 7470A | |
| 680-230721-17 | WAN-AP1-FB-07 | Total/NA | Water | 7470A | |
| 680-230721-18 | WAN-AP1-EB-01 | Total/NA | Water | 7470A | |
| MB 680-764333/12-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 680-764333/13-A | Lab Control Sample | Total/NA | Water | 7470A | |
| 680-230721-1 MS | WAN-WGWA-1 | Total/NA | Water | 7470A | |
| 680-230721-1 MSD | WAN-WGWA-1 | Total/NA | Water | 7470A | |

Prep Batch: 764336

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------------|------------------------|-----------|--------|--------|------------|
| 680-230721-8 | WAN-WGWA-18 | Total/NA | Water | 7470A | |
| 680-230721-9 | WAN-WGWC-15 | Total/NA | Water | 7470A | |
| MB 680-764336/1-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 680-764336/2-A | Lab Control Sample | Total/NA | Water | 7470A | |
| 680-230805-G-12-E MS | Matrix Spike | Total/NA | Water | 7470A | |
| 680-230805-G-12-F MSD | Matrix Spike Duplicate | Total/NA | Water | 7470A | |

Analysis Batch: 764581

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|--------------------|-----------|--------|--------|------------|
| 680-230721-1 | WAN-WGWA-1 | Total/NA | Water | 7470A | 764333 |
| 680-230721-2 | WAN-WGWA-2 | Total/NA | Water | 7470A | 764333 |
| 680-230721-3 | WAN-WGWA-3 | Total/NA | Water | 7470A | 764333 |
| 680-230721-4 | WAN-WGWA-4 | Total/NA | Water | 7470A | 764333 |
| 680-230721-5 | WAN-WGWA-5 | Total/NA | Water | 7470A | 764333 |
| 680-230721-6 | WAN-WGWA-6 | Total/NA | Water | 7470A | 764333 |
| 680-230721-7 | WAN-WGWA-7 | Total/NA | Water | 7470A | 764333 |
| 680-230721-8 | WAN-WGWA-18 | Total/NA | Water | 7470A | 764336 |
| 680-230721-9 | WAN-WGWC-15 | Total/NA | Water | 7470A | 764336 |
| 680-230721-10 | WAN-WGWC-16 | Total/NA | Water | 7470A | 764333 |
| 680-230721-11 | WAN-WGWC-25 | Total/NA | Water | 7470A | 764333 |
| 680-230721-12 | WAN-WGWC-22 | Total/NA | Water | 7470A | 764333 |
| 680-230721-13 | WAN-WGWC-24 | Total/NA | Water | 7470A | 764333 |
| 680-230721-14 | WAN-WGWC-9 | Total/NA | Water | 7470A | 764333 |
| 680-230721-15 | WAN-WGWC-23 | Total/NA | Water | 7470A | 764333 |
| 680-230721-16 | WAN-AP1-FD-01 | Total/NA | Water | 7470A | 764333 |
| 680-230721-17 | WAN-AP1-FB-07 | Total/NA | Water | 7470A | 764333 |
| 680-230721-18 | WAN-AP1-EB-01 | Total/NA | Water | 7470A | 764333 |
| MB 680-764333/12-A | Method Blank | Total/NA | Water | 7470A | 764333 |
| MB 680-764336/1-A | Method Blank | Total/NA | Water | 7470A | 764336 |
| LCS 680-764333/13-A | Lab Control Sample | Total/NA | Water | 7470A | 764333 |
| LCS 680-764336/2-A | Lab Control Sample | Total/NA | Water | 7470A | 764336 |
| 680-230721-1 MS | WAN-WGWA-1 | Total/NA | Water | 7470A | 764333 |
| 680-230721-1 MSD | WAN-WGWA-1 | Total/NA | Water | 7470A | 764333 |
| 680-230805-G-12-E MS | Matrix Spike | Total/NA | Water | 7470A | 764336 |

Eurofins Savannah

QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Metals (Continued)

Analysis Batch: 764581 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------------|------------------------|-----------|--------|--------|------------|
| 680-230805-G-12-F MSD | Matrix Spike Duplicate | Total/NA | Water | 7470A | 764336 |

General Chemistry

Analysis Batch: 764112

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------------|------------|
| 680-230721-1 | WAN-WGWA-1 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230721-2 | WAN-WGWA-2 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230721-3 | WAN-WGWA-3 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230721-5 | WAN-WGWA-5 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230721-6 | WAN-WGWA-6 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230721-7 | WAN-WGWA-7 | Total/NA | Water | 4500 S2 F-2011 | |
| MB 680-764112/1 | Method Blank | Total/NA | Water | 4500 S2 F-2011 | |
| LCS 680-764112/2 | Lab Control Sample | Total/NA | Water | 4500 S2 F-2011 | |
| LCSD 680-764112/3 | Lab Control Sample Dup | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230678-D-4 MS | Matrix Spike | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230678-D-4 MSD | Matrix Spike Duplicate | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230571-O-1 DU | Duplicate | Total/NA | Water | 4500 S2 F-2011 | |

Analysis Batch: 764123

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|------------|------------|
| 680-230721-1 | WAN-WGWA-1 | Total/NA | Water | 2540C-2011 | |
| 680-230721-2 | WAN-WGWA-2 | Total/NA | Water | 2540C-2011 | |
| 680-230721-3 | WAN-WGWA-3 | Total/NA | Water | 2540C-2011 | |
| 680-230721-5 | WAN-WGWA-5 | Total/NA | Water | 2540C-2011 | |
| 680-230721-6 | WAN-WGWA-6 | Total/NA | Water | 2540C-2011 | |
| 680-230721-7 | WAN-WGWA-7 | Total/NA | Water | 2540C-2011 | |
| 680-230721-8 | WAN-WGWA-18 | Total/NA | Water | 2540C-2011 | |
| MB 680-764123/1 | Method Blank | Total/NA | Water | 2540C-2011 | |
| LCS 680-764123/2 | Lab Control Sample | Total/NA | Water | 2540C-2011 | |
| LCSD 680-764123/3 | Lab Control Sample Dup | Total/NA | Water | 2540C-2011 | |
| 680-230617-C-1 DU | Duplicate | Total/NA | Water | 2540C-2011 | |
| 680-230640-AD-1 DU | Duplicate | Total/NA | Water | 2540C-2011 | |

Analysis Batch: 764160

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------------|------------|
| 680-230721-8 | WAN-WGWA-18 | Total/NA | Water | 4500 S2 F-2011 | |
| MB 680-764160/1 | Method Blank | Total/NA | Water | 4500 S2 F-2011 | |
| LCS 680-764160/2 | Lab Control Sample | Total/NA | Water | 4500 S2 F-2011 | |
| LCSD 680-764160/3 | Lab Control Sample Dup | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230725-D-15 MS | Matrix Spike | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230725-D-15 MSD | Matrix Spike Duplicate | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230725-D-8 DU | Duplicate | Total/NA | Water | 4500 S2 F-2011 | |

Analysis Batch: 764297

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------------|------------|
| 680-230721-4 | WAN-WGWA-4 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230721-9 | WAN-WGWC-15 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230721-10 | WAN-WGWC-16 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230721-11 | WAN-WGWC-25 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230721-12 | WAN-WGWC-22 | Total/NA | Water | 4500 S2 F-2011 | |

Eurofins Savannah

QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

General Chemistry (Continued)

Analysis Batch: 764297 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|----------------|------------|
| 680-230721-13 | WAN-WGWC-24 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230721-14 | WAN-WGWC-9 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230721-15 | WAN-WGWC-23 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230721-16 | WAN-AP1-FD-01 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230721-17 | WAN-AP1-FB-07 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230721-18 | WAN-AP1-EB-01 | Total/NA | Water | 4500 S2 F-2011 | |
| MB 680-764297/1 | Method Blank | Total/NA | Water | 4500 S2 F-2011 | |
| LCS 680-764297/2 | Lab Control Sample | Total/NA | Water | 4500 S2 F-2011 | |
| LCSD 680-764297/3 | Lab Control Sample Dup | Total/NA | Water | 4500 S2 F-2011 | |
| LLCS 680-764297/4 | Lab Control Sample | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230721-9 MS | WAN-WGWC-15 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230721-9 MSD | WAN-WGWC-15 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230640-O-1 DU | Duplicate | Total/NA | Water | 4500 S2 F-2011 | |

Analysis Batch: 764319

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|------------|------------|
| 680-230721-4 | WAN-WGWA-4 | Total/NA | Water | 2540C-2011 | |
| 680-230721-9 | WAN-WGWC-15 | Total/NA | Water | 2540C-2011 | |
| 680-230721-10 | WAN-WGWC-16 | Total/NA | Water | 2540C-2011 | |
| 680-230721-11 | WAN-WGWC-25 | Total/NA | Water | 2540C-2011 | |
| 680-230721-12 | WAN-WGWC-22 | Total/NA | Water | 2540C-2011 | |
| 680-230721-13 | WAN-WGWC-24 | Total/NA | Water | 2540C-2011 | |
| 680-230721-14 | WAN-WGWC-9 | Total/NA | Water | 2540C-2011 | |
| 680-230721-15 | WAN-WGWC-23 | Total/NA | Water | 2540C-2011 | |
| 680-230721-16 | WAN-AP1-FD-01 | Total/NA | Water | 2540C-2011 | |
| 680-230721-17 | WAN-AP1-FB-07 | Total/NA | Water | 2540C-2011 | |
| 680-230721-18 | WAN-AP1-EB-01 | Total/NA | Water | 2540C-2011 | |
| MB 680-764319/1 | Method Blank | Total/NA | Water | 2540C-2011 | |
| LCS 680-764319/2 | Lab Control Sample | Total/NA | Water | 2540C-2011 | |
| LCSD 680-764319/3 | Lab Control Sample Dup | Total/NA | Water | 2540C-2011 | |
| 680-230617-B-2 DU | Duplicate | Total/NA | Water | 2540C-2011 | |
| 680-230730-X-1 DU | Duplicate | Total/NA | Water | 2540C-2011 | |

Analysis Batch: 764461

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|------------|------------|
| 680-230721-1 | WAN-WGWA-1 | Total/NA | Water | 2320B-2011 | |
| 680-230721-2 | WAN-WGWA-2 | Total/NA | Water | 2320B-2011 | |
| 680-230721-3 | WAN-WGWA-3 | Total/NA | Water | 2320B-2011 | |
| 680-230721-5 | WAN-WGWA-5 | Total/NA | Water | 2320B-2011 | |
| 680-230721-9 | WAN-WGWC-15 | Total/NA | Water | 2320B-2011 | |
| 680-230721-10 | WAN-WGWC-16 | Total/NA | Water | 2320B-2011 | |
| 680-230721-11 | WAN-WGWC-25 | Total/NA | Water | 2320B-2011 | |
| 680-230721-12 | WAN-WGWC-22 | Total/NA | Water | 2320B-2011 | |
| 680-230721-15 | WAN-WGWC-23 | Total/NA | Water | 2320B-2011 | |
| 680-230721-17 | WAN-AP1-FB-07 | Total/NA | Water | 2320B-2011 | |
| 680-230721-18 | WAN-AP1-EB-01 | Total/NA | Water | 2320B-2011 | |
| MB 680-764461/4 | Method Blank | Total/NA | Water | 2320B-2011 | |
| LCS 680-764461/6 | Lab Control Sample | Total/NA | Water | 2320B-2011 | |
| LCSD 680-764461/31 | Lab Control Sample Dup | Total/NA | Water | 2320B-2011 | |
| 680-230703-D-6 DU | Duplicate | Total/NA | Water | 2320B-2011 | |
| 680-230705-C-1 DU | Duplicate | Total/NA | Water | 2320B-2011 | |

Eurofins Savannah

QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

General Chemistry

Analysis Batch: 764465

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|------------|------------|
| 680-230721-4 | WAN-WGWA-4 | Total/NA | Water | 2320B-2011 | |
| 680-230721-6 | WAN-WGWA-6 | Total/NA | Water | 2320B-2011 | |
| 680-230721-7 | WAN-WGWA-7 | Total/NA | Water | 2320B-2011 | |
| 680-230721-8 | WAN-WGWA-18 | Total/NA | Water | 2320B-2011 | |
| 680-230721-13 | WAN-WGWC-24 | Total/NA | Water | 2320B-2011 | |
| 680-230721-14 | WAN-WGWC-9 | Total/NA | Water | 2320B-2011 | |
| 680-230721-16 | WAN-AP1-FD-01 | Total/NA | Water | 2320B-2011 | |
| MB 680-764465/4 | Method Blank | Total/NA | Water | 2320B-2011 | |
| LCS 680-764465/6 | Lab Control Sample | Total/NA | Water | 2320B-2011 | |
| LCSD 680-764465/31 | Lab Control Sample Dup | Total/NA | Water | 2320B-2011 | |
| 680-230721-13 DU | WAN-WGWC-24 | Total/NA | Water | 2320B-2011 | |

Field Service / Mobile Lab

Analysis Batch: 764382

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------------|------------|
| 680-230721-1 | WAN-WGWA-1 | Total/NA | Water | Field Sampling | |
| 680-230721-2 | WAN-WGWA-2 | Total/NA | Water | Field Sampling | |
| 680-230721-3 | WAN-WGWA-3 | Total/NA | Water | Field Sampling | |
| 680-230721-4 | WAN-WGWA-4 | Total/NA | Water | Field Sampling | |
| 680-230721-5 | WAN-WGWA-5 | Total/NA | Water | Field Sampling | |
| 680-230721-6 | WAN-WGWA-6 | Total/NA | Water | Field Sampling | |
| 680-230721-7 | WAN-WGWA-7 | Total/NA | Water | Field Sampling | |
| 680-230721-8 | WAN-WGWA-18 | Total/NA | Water | Field Sampling | |
| 680-230721-9 | WAN-WGWC-15 | Total/NA | Water | Field Sampling | |
| 680-230721-10 | WAN-WGWC-16 | Total/NA | Water | Field Sampling | |
| 680-230721-11 | WAN-WGWC-25 | Total/NA | Water | Field Sampling | |
| 680-230721-12 | WAN-WGWC-22 | Total/NA | Water | Field Sampling | |
| 680-230721-13 | WAN-WGWC-24 | Total/NA | Water | Field Sampling | |
| 680-230721-14 | WAN-WGWC-9 | Total/NA | Water | Field Sampling | |
| 680-230721-15 | WAN-WGWC-23 | Total/NA | Water | Field Sampling | |

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWA-1

Lab Sample ID: 680-230721-1

Date Collected: 02/14/23 10:55

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764277 | 02/21/23 11:26 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764211 | 02/20/23 21:04 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764333 | 02/21/23 13:49 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 13:37 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764461 | 02/21/23 20:03 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 200 mL | 200 mL | 764123 | 02/20/23 12:27 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 300 mL | 300 mL | 764112 | 02/20/23 11:44 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/14/23 10:55 | P1C | EET SAV |

Client Sample ID: WAN-WGWA-2

Lab Sample ID: 680-230721-2

Date Collected: 02/14/23 12:10

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764277 | 02/21/23 12:05 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764211 | 02/20/23 21:49 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764333 | 02/21/23 13:50 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 15:00 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764461 | 02/21/23 18:44 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 200 mL | 200 mL | 764123 | 02/20/23 12:27 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 310 mL | 310 mL | 764112 | 02/20/23 11:44 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/14/23 12:10 | P1C | EET SAV |

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWA-3
Date Collected: 02/14/23 17:10
Date Received: 02/17/23 06:30

Lab Sample ID: 680-230721-3
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764277 | 02/21/23 12:19 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764211 | 02/20/23 21:53 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764333 | 02/21/23 13:49 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 0 | | | 764581 | 02/22/23 14:22 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764461 | 02/21/23 20:14 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 200 mL | 200 mL | 764123 | 02/20/23 12:27 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 310 mL | 310 mL | 764112 | 02/20/23 11:44 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/14/23 17:10 | P1C | EET SAV |

Client Sample ID: WAN-WGWA-4
Date Collected: 02/15/23 10:05
Date Received: 02/17/23 06:30

Lab Sample ID: 680-230721-4
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764278 | 02/21/23 18:00 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764211 | 02/20/23 21:41 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764333 | 02/21/23 13:49 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 14:57 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764465 | 02/22/23 00:29 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 200 mL | 200 mL | 764319 | 02/21/23 12:39 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 310 mL | 310 mL | 764297 | 02/21/23 11:30 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/15/23 10:05 | P1C | EET SAV |

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWA-5

Lab Sample ID: 680-230721-5

Date Collected: 02/14/23 14:25

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764277 | 02/21/23 12:32 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764211 | 02/20/23 21:08 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764333 | 02/21/23 13:49 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 14:29 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764461 | 02/21/23 18:34 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 200 mL | 200 mL | 764123 | 02/20/23 12:27 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 310 mL | 310 mL | 764112 | 02/20/23 11:44 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/14/23 14:25 | P1C | EET SAV |

Client Sample ID: WAN-WGWA-6

Lab Sample ID: 680-230721-6

Date Collected: 02/14/23 15:53

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764277 | 02/21/23 12:45 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764211 | 02/20/23 21:37 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764333 | 02/21/23 13:49 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 14:50 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764465 | 02/22/23 00:39 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 200 mL | 200 mL | 764123 | 02/20/23 12:27 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 310 mL | 310 mL | 764112 | 02/20/23 11:44 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/14/23 15:53 | P1C | EET SAV |

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWA-7
Date Collected: 02/14/23 15:40
Date Received: 02/17/23 06:30

Lab Sample ID: 680-230721-7
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764277 | 02/21/23 12:58 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764211 | 02/20/23 21:00 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764333 | 02/21/23 13:49 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 14:15 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764465 | 02/22/23 00:59 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 200 mL | 200 mL | 764123 | 02/20/23 12:27 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 310 mL | 310 mL | 764112 | 02/20/23 11:44 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/14/23 15:40 | P1C | EET SAV |

Client Sample ID: WAN-WGWA-18
Date Collected: 02/14/23 14:20
Date Received: 02/17/23 06:30

Lab Sample ID: 680-230721-8
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764277 | 02/21/23 13:11 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764211 | 02/20/23 22:10 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764336 | 02/21/23 13:57 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 12:59 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764465 | 02/22/23 00:49 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 200 mL | 200 mL | 764123 | 02/20/23 12:27 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 310 mL | 310 mL | 764160 | 02/20/23 14:36 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/14/23 14:20 | P1C | EET SAV |

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWC-15

Lab Sample ID: 680-230721-9

Date Collected: 02/15/23 11:15

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764278 | 02/21/23 18:40 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764211 | 02/20/23 21:57 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764336 | 02/21/23 13:57 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 12:35 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764461 | 02/21/23 20:24 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 200 mL | 200 mL | 764319 | 02/21/23 12:39 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 300 mL | 300 mL | 764297 | 02/21/23 11:30 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/15/23 11:15 | P1C | EET SAV |

Client Sample ID: WAN-WGWC-16

Lab Sample ID: 680-230721-10

Date Collected: 02/15/23 12:20

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764278 | 02/21/23 18:53 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764211 | 02/20/23 21:29 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764333 | 02/21/23 13:49 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 14:32 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764461 | 02/21/23 20:34 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 50 mL | 200 mL | 764319 | 02/21/23 12:39 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 300 mL | 300 mL | 764297 | 02/21/23 11:30 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/15/23 12:20 | P1C | EET SAV |

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWC-25

Lab Sample ID: 680-230721-11

Date Collected: 02/15/23 15:00

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764278 | 02/21/23 19:06 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764211 | 02/20/23 21:45 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764333 | 02/21/23 13:49 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 14:53 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764461 | 02/21/23 20:41 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 50 mL | 200 mL | 764319 | 02/21/23 12:39 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 300 mL | 300 mL | 764297 | 02/21/23 11:30 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/15/23 15:00 | P1C | EET SAV |

Client Sample ID: WAN-WGWC-22

Lab Sample ID: 680-230721-12

Date Collected: 02/15/23 14:40

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764278 | 02/21/23 19:19 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764211 | 02/20/23 22:14 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764333 | 02/21/23 13:50 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 15:10 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764461 | 02/21/23 20:53 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 50 mL | 200 mL | 764319 | 02/21/23 12:39 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 310 mL | 310 mL | 764297 | 02/21/23 11:30 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/15/23 14:40 | P1C | EET SAV |

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWC-24

Lab Sample ID: 680-230721-13

Date Collected: 02/15/23 13:20

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764278 | 02/21/23 19:33 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764211 | 02/20/23 20:52 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764333 | 02/21/23 13:49 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 14:08 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764465 | 02/22/23 01:36 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 50 mL | 200 mL | 764319 | 02/21/23 12:39 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 300 mL | 300 mL | 764297 | 02/21/23 11:30 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/15/23 13:20 | P1C | EET SAV |

Client Sample ID: WAN-WGWC-9

Lab Sample ID: 680-230721-14

Date Collected: 02/15/23 16:15

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764279 | 02/22/23 00:35 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764211 | 02/20/23 20:40 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764333 | 02/21/23 13:49 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 14:12 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764465 | 02/22/23 01:52 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 200 mL | 200 mL | 764319 | 02/21/23 12:39 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 300 mL | 300 mL | 764297 | 02/21/23 11:30 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/15/23 16:15 | P1C | EET SAV |

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-WGWC-23

Lab Sample ID: 680-230721-15

Date Collected: 02/15/23 16:15

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764278 | 02/21/23 22:50 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764211 | 02/20/23 20:56 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764333 | 02/21/23 13:49 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 14:19 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764461 | 02/21/23 21:02 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 200 mL | 200 mL | 764319 | 02/21/23 12:39 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 300 mL | 300 mL | 764297 | 02/21/23 11:30 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/15/23 16:15 | P1C | EET SAV |

Client Sample ID: WAN-AP1-FD-01

Lab Sample ID: 680-230721-16

Date Collected: 02/15/23 00:00

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764278 | 02/21/23 23:03 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764211 | 02/20/23 21:21 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764333 | 02/21/23 13:49 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 14:36 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764465 | 02/22/23 01:07 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 50 mL | 200 mL | 764319 | 02/21/23 12:39 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 300 mL | 300 mL | 764297 | 02/21/23 11:30 | JAS | EET SAV |

Client Sample ID: WAN-AP1-FB-07

Lab Sample ID: 680-230721-17

Date Collected: 02/15/23 13:15

Matrix: Water

Date Received: 02/17/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764278 | 02/21/23 23:16 | UI | EET SAV |

Eurofins Savannah

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Client Sample ID: WAN-AP1-FB-07
Date Collected: 02/15/23 13:15
Date Received: 02/17/23 06:30

Lab Sample ID: 680-230721-17
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764211 | 02/20/23 21:25 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764333 | 02/21/23 13:49 | BCB | EET SAV |
| Total/NA | Analysis | 7470A | | 1 | | | 764581 | 02/22/23 14:26 | BJB | EET SAV |
| Instrument ID: QuickTrace2 | | | | | | | | | | |
| Total/NA | Analysis | 2320B-2011 | | 1 | | | 764461 | 02/21/23 21:12 | PG | EET SAV |
| Instrument ID: MANTECH 2 | | | | | | | | | | |
| Total/NA | Analysis | 2540C-2011 | | 1 | 200 mL | 200 mL | 764319 | 02/21/23 12:39 | PG | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |
| Total/NA | Analysis | 4500 S2 F-2011 | | 1 | 310 mL | 310 mL | 764297 | 02/21/23 11:30 | JAS | EET SAV |
| Instrument ID: NoEquip | | | | | | | | | | |

Client Sample ID: WAN-AP1-EB-01
Date Collected: 02/15/23 16:30
Date Received: 02/17/23 06:30

Lab Sample ID: 680-230721-18
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------------|------------|-----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 | | 1 | 5 mL | 5 mL | 764278 | 02/21/23 23:29 | UI | EET SAV |
| Instrument ID: CICK | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764052 | 02/20/23 09:18 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764211 | 02/20/23 21:33 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764333 | 02/21/23 13:49 | BCB | EET SAV |
| Total/NA | Analysis | 7470A | | 1 | | | 764581 | 02/22/23 14:46 | BJB | EET SAV |
| Instrument ID: QuickTrace2 | | | | | | | | | | |
| Total/NA | Analysis | 2320B-2011 | | 1 | | | 764461 | 02/21/23 21:22 | PG | EET SAV |
| Instrument ID: MANTECH 2 | | | | | | | | | | |
| Total/NA | Analysis | 2540C-2011 | | 1 | 200 mL | 200 mL | 764319 | 02/21/23 12:39 | PG | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |
| Total/NA | Analysis | 4500 S2 F-2011 | | 1 | 310 mL | 310 mL | 764297 | 02/21/23 11:30 | JAS | EET SAV |
| Instrument ID: NoEquip | | | | | | | | | | |

Laboratory References:

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

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Florida | NELAP | E87052 | 06-30-23 |
| Georgia | State | E87052 | 06-30-23 |

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Method Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230721-1

| Method | Method Description | Protocol | Laboratory |
|-----------------|--|----------|------------|
| 300.0-1993 R2.1 | Anions, Ion Chromatography | MCAWW | EET SAV |
| 6020B | Metals (ICP/MS) | SW846 | EET SAV |
| 7470A | Mercury (CVAA) | SW846 | EET SAV |
| 2320B-2011 | Alkalinity, Total | SM | EET SAV |
| 2540C-2011 | Total Dissolved Solids (Dried at 180 °C) | SM | EET SAV |
| 4500 S2 F-2011 | Sulfide, Total | SM | EET SAV |
| Field Sampling | Field Sampling | EPA | EET SAV |
| 3005A | Preparation, Total Recoverable or Dissolved Metals | SW846 | EET SAV |
| 7470A | Preparation, Mercury | SW846 | EET SAV |

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

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

Laboratory References:

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

Chain of Custody Record

| | | | | | | | |
|---|--|---|--|--|--|--|--|
| Client Information Client Contact: <u>Fuller David</u> SCS Contacts: <u>770 9594 5998</u> Company: <u>ACC</u> GA Power | | Lab P.M.: <u>Fuller David</u> E-Mail: <u>david.fuller@et.eurofins.com</u> | | Carrier Tracking No(s): COC No: | | Page: <u>1 of 2</u> Job #: | |
| Address: <u>241 Ralph McGill Blvd SE</u> City: <u>Atlanta</u> State, Zip: <u>GA, 30308</u> Phone: <u>404-506-7116(Tel)</u> Email: <u>68027766</u> | | Due Date Requested: TAT Requested (days): <u>Standard</u> Lab Project #: <u>68027766</u> PO #: | | Analysis Requested: Major Ions - Carbonate, Bicarbonate, Total Alkalinity Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium Radium 226 & 228 (SW-846 9315/9320) App IV Metals (EPA 6020/7470) App III Metals B, Ca Perform MS/MSD (Yes or No) | | Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: | |
| Project Name: <u>Plant Wansley Ash Pond</u> Site: | | Sample Date (mm/dd/yy) Sample Time (hh:mm) Sample Type (C=Comp, G=grab) Matrix (W=ground water, R=runoff water, H=high quality common) | | Field Filtered Sample (Yes or No) | | Task Code: WAN-CCR-ASSMT-2023S1 Special Instructions/Note: Full APP III and APP IV | |
| Sample Identification: WAN-WGWA-1 WAN-WGWA-2 WAN-WGWA-3 WAN-WGWA-4 WAN-WGWA-5 WAN-WGWA-6 WAN-WGWA-7 WAN-WGWA-18 WAN-WGWC-15 WAN-WGWC-16 WAN-WGWC-25 | | Sample Date (mm/dd/yy) Sample Time (hh:mm) Sample Type (C=Comp, G=grab) Matrix (W=ground water, R=runoff water, H=high quality common) | | Field Filtered Sample (Yes or No) | | Total Number of Containers: pH= <u>5.37</u> pH= <u>6.06</u> pH= <u>5.49</u> pH= <u>7.21</u> pH= <u>5.30</u> pH= <u>7.78</u> pH= <u>5.44</u> pH= <u>5.89</u> pH= <u>7.72</u> pH= <u>5.19</u> pH= <u>5.36</u> | |
| Possible Hazard Identification: <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological | | Date: | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab | | Archive For: _____ Months | |
| Deliverable Requested 1, II, III, IV, Other (specify): | | Date: | | Special Instructions/QC Requirements: | | Method of Shipment: | |
| Reinquished by: <u>Dave Johnson</u> Date/Time: <u>2/16/23 / 07:47</u> Reinquished by: <u>Dog</u> Date/Time: <u>2/16/23</u> Reinquished by: | | Date/Time: | | Received by: <u>[Signature]</u> Date/Time: <u>2/16/23 02:44</u> Received by: <u>[Signature]</u> Date/Time: <u>01:30</u> Received by: <u>[Signature]</u> Date/Time: <u>02-17-23</u> | | Company: <u>ACC</u> Company: <u>Eurofins</u> Company: | |
| Custody Seals Intact: Δ Yes Δ No | | Custody Seal No | | Cooler Temperature(s) °C and Other Remarks: <u>3.5-5.5-2.4-2.4-2.1-2.1</u> <u>4.03-4.93</u> | | Ver: 01/16/2019 | |



Chain of Custody Record

| | | | |
|--|--------------------|---|---|
| Client Information Client Contact: <u>A. Schmittler, ACC</u> SCS Contacts: <u>770 574 5998</u> Lab P.M.: <u>Fuller, David</u> E-Mail: <u>david.fuller@et.eurofins.com</u> | | Carrier Tracking No(s): COC No: <u>2 of 2</u> Job #: | |
| Due Date Requested: TAT Requested (days): <u>Standard</u> Lab Project #: <u>68027766</u> PO #: | | Analysis Requested Major Ions - Carbonate, Bicarbonate, Total Alkalinity Major Ions - Sulfide Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium Radium 226 & 228 (SW-846 9316/9320) App IV Metals (EPA 6020/470) Pb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl App III Metals B, Ca Cl, F, SO & TDS (EPA 300 & SM 2540C) | |
| Address: <u>241 Ralph McGill Blvd SE</u> City: <u>Atlanta</u> State, Zip: <u>GA, 30308</u> Phone: <u>404-506-7116(Tel)</u> Email: | | Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify) | |
| Project Name: <u>Plant Wansley Ash Pond</u> SCS Contacts / Geosyntec Contacts SOW#: | | Task Code: <u>WAN-CR-ASSMT-2023S1</u> Special Instructions/Note: <u>Full APP III and APP IV</u> | |
| Sample Identification | | | |
| Sample Date (mm/dd/yy) | Sample Time (hhmm) | Sample Type (C=comp, G=grab) | Mark (if compound, water, WQ=quality control) |
| <u>02/15/23</u> | <u>1440</u> | <u>G</u> | <u>WG</u> |
| <u>02/15/23</u> | <u>1320</u> | <u>G</u> | <u>WG</u> |
| <u>02/15/23</u> | <u>1615</u> | <u>G</u> | <u>WG</u> |
| <u>02/15/23</u> | <u>1615</u> | <u>G</u> | <u>WG</u> |
| | | <u>G</u> | |
| | | <u>G</u> | |
| | | <u>G</u> | |
| | | <u>G</u> | |
| <u>02/15/23</u> | <u>1315</u> | <u>G</u> | <u>WQ</u> |
| <u>02/15/23</u> | <u>1630</u> | <u>G</u> | <u>WQ</u> |
| Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological | | | |
| Deliverable Requested I II III, IV Other (specify) | | | |
| Relinquished by: <u>David Johnson</u> Relinquished by: <u>[Signature]</u> Relinquished by: <u>[Signature]</u> | | Date: <u>2/16/23</u> / <u>0747</u> Date: <u>2/16/23</u> / <u>16:00</u> Date: | |
| Company: <u>Acc</u> Company: <u>Eurofins</u> Company: | | Received by: <u>[Signature]</u> Rechecked by: <u>[Signature]</u> Rechecked by: | |
| Date/Time: <u>2/16/23</u> / <u>07:44</u> Date/Time: <u>0:30</u> Date/Time: <u>02-17-23</u> | | Date/Time: <u>2/16/23</u> / <u>07:44</u> Date/Time: <u>0:30</u> Date/Time: <u>02-17-23</u> | |
| Custody Seal No: <u>55-35-04-20-2-1-2-1</u> Custody Seals Intact: <u>Yes</u> | | Cooler Temperature(s) °C and Other Remarks: <u>55-35-04-20-2-1-2-1</u> Cooler Temperature(s) °C and Other Remarks: <u>55-35-04-20-2-1-2-1</u> | |



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230721-1

Login Number: 230721

List Source: Eurofins Savannah

List Number: 1

Creator: Harley, Tynisha

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



 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 3/22/2023 9:13:10 PM Revision 1

JOB DESCRIPTION

Plant Wansley - Ash Pond

JOB NUMBER

680-230805-1

Eurofins Savannah

Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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Revision 1

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description |
|-----------|---|
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| F1 | MS and/or MSD recovery exceeds control limits. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Metals

| Qualifier | Qualifier Description |
|-----------|---|
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| B | Compound was found in the blank and sample. |
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

General Chemistry

| Qualifier | Qualifier Description |
|-----------|---|
| F5 | Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

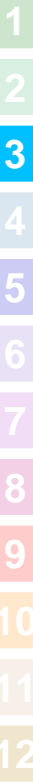
Eurofins Savannah

Sample Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 680-230805-1 | WAN-WGWC-8 | Water | 02/16/23 14:52 | 02/18/23 06:30 |
| 680-230805-2 | WAN-WGWC-10 | Water | 02/16/23 13:18 | 02/18/23 06:30 |
| 680-230805-3 | WAN-WGWC-11 | Water | 02/16/23 11:55 | 02/18/23 06:30 |
| 680-230805-4 | WAN-WGWC-12 | Water | 02/16/23 10:55 | 02/18/23 06:30 |
| 680-230805-5 | WAN-WGWC-13 | Water | 02/16/23 15:25 | 02/18/23 06:30 |
| 680-230805-6 | WAN-WGWC-14A | Water | 02/16/23 13:30 | 02/18/23 06:30 |
| 680-230805-7 | WAN-WGWC-17 | Water | 02/16/23 11:02 | 02/18/23 06:30 |
| 680-230805-8 | WAN-WGWC-19 | Water | 02/16/23 13:09 | 02/18/23 06:30 |
| 680-230805-9 | WAN-WGWC-20 | Water | 02/16/23 10:05 | 02/18/23 06:30 |
| 680-230805-10 | WAN-WGWC-21 | Water | 02/16/23 16:07 | 02/18/23 06:30 |
| 680-230805-11 | WAN-WGWC-26D | Water | 02/16/23 12:50 | 02/18/23 06:30 |
| 680-230805-12 | WAN-WGWC-27 | Water | 02/16/23 15:25 | 02/18/23 06:30 |
| 680-230805-13 | WAN-AP1-FD-02 | Water | 02/16/23 00:00 | 02/18/23 06:30 |
| 680-230805-14 | WAN-AP1-FD-03 | Water | 02/16/23 00:00 | 02/18/23 06:30 |
| 680-230805-15 | WAN-AP1-FB-08 | Water | 02/16/23 12:25 | 02/18/23 06:30 |
| 680-230805-16 | WAN-AP1-FB-09 | Water | 02/16/23 15:55 | 02/18/23 06:30 |
| 680-230805-17 | WAN-AP1-EB-02 | Water | 02/16/23 09:10 | 02/18/23 06:30 |
| 680-230805-18 | WAN-AP1-EB-03 | Water | 02/16/23 16:15 | 02/18/23 06:30 |



Case Narrative

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Job ID: 680-230805-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-230805-1

Revision 1

The report being provided is a revision of the original report sent on 3/6/2023. The report (revision 1) is being revised in order to correct the pH transcription error for WAN-WGWC-17 and to report the re-analysis for WAN-WGWC-13 (680-230805-5) for Chromium.

Receipt

The samples were received on 2/18/2023 6:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 0.1°C, 0.6°C, 0.9°C, 1.1°C and 1.4°C

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-765704 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Metals

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

General Chemistry

Method 2320B: The sample duplicate precision for the following sample associated with analytical batch 680-764663 was outside control limits: (680-230805-F-1 DU). The associated Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) precision met acceptance criteria.

Method SM4500_S2_F: The following samples were analyzed with headspace in the sample container(s): WAN-WGWC-8 (680-230805-1), WAN-WGWC-11 (680-230805-3), WAN-WGWC-12 (680-230805-4), WAN-WGWC-19 (680-230805-8), WAN-WGWC-20 (680-230805-9), WAN-WGWC-21 (680-230805-10), WAN-WGWC-26D (680-230805-11), WAN-WGWC-27 (680-230805-12), WAN-AP1-FD-02 (680-230805-13), WAN-AP1-FD-03 (680-230805-14) and WAN-AP1-FB-09 (680-230805-16).

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

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-8

Lab Sample ID: 680-230805-1

Date Collected: 02/16/23 14:52

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 120 | | 1.0 | 0.20 | mg/L | | | 03/02/23 12:52 | 1 |
| Fluoride | 0.14 | | 0.10 | 0.040 | mg/L | | | 03/02/23 12:52 | 1 |

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Sulfate | 250 | | 5.0 | 2.0 | mg/L | | | 03/03/23 15:23 | 5 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | 0.00064 | J | 0.0020 | 0.00034 | mg/L | | 02/21/23 10:20 | 02/22/23 20:41 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:41 | 1 |
| Barium | 0.00093 | J | 0.010 | 0.00089 | mg/L | | 02/21/23 10:20 | 02/22/23 20:41 | 1 |
| Beryllium | 0.0025 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:41 | 1 |
| Boron | 2.8 | | 0.32 | 0.088 | mg/L | | 02/21/23 10:20 | 02/23/23 16:54 | 4 |
| Cadmium | 0.00065 | J | 0.0025 | 0.000078 | mg/L | | 02/21/23 10:20 | 02/22/23 20:41 | 1 |
| Calcium | 92 | | 0.50 | 0.14 | mg/L | | 02/21/23 10:20 | 02/22/23 20:41 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/21/23 10:20 | 02/22/23 20:41 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:41 | 1 |
| Iron | <0.048 | | 0.20 | 0.048 | mg/L | | 02/21/23 10:20 | 02/23/23 16:54 | 4 |
| Lead | 0.00029 | J | 0.0010 | 0.00021 | mg/L | | 02/21/23 10:20 | 02/22/23 20:41 | 1 |
| Lithium | 0.010 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:41 | 1 |
| Magnesium | 24 | | 0.50 | 0.023 | mg/L | | 02/21/23 10:20 | 02/22/23 20:41 | 1 |
| Manganese | 0.0083 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:41 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:41 | 1 |
| Potassium | 9.5 | | 0.50 | 0.044 | mg/L | | 02/21/23 10:20 | 02/22/23 20:41 | 1 |
| Selenium | 0.0033 | J | 0.0050 | 0.00099 | mg/L | | 02/21/23 10:20 | 02/22/23 20:41 | 1 |
| Sodium | 38 | | 0.50 | 0.20 | mg/L | | 02/21/23 10:20 | 02/22/23 20:41 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 10:20 | 02/22/23 20:41 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 15:48 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 9.7 | | 5.0 | 5.0 | mg/L | | | 02/22/23 17:20 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 9.7 | | 5.0 | 5.0 | mg/L | | | 02/22/23 17:20 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 17:20 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 590 | | 40 | 40 | mg/L | | | 02/22/23 12:05 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.83 | | 0.83 | 0.83 | mg/L | | | 02/23/23 12:01 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 5.22 | | | | SU | | | 02/16/23 14:52 | 1 |

Eurofins Savannah

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-10

Lab Sample ID: 680-230805-2

Date Collected: 02/16/23 13:18

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 1.3 | | 1.0 | 0.20 | mg/L | | | 02/25/23 01:55 | 1 |
| Fluoride | 0.11 | | 0.10 | 0.040 | mg/L | | | 02/25/23 01:55 | 1 |
| Sulfate | 1.8 | | 1.0 | 0.40 | mg/L | | | 02/25/23 01:55 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/21/23 10:20 | 02/22/23 20:49 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:49 | 1 |
| Barium | 0.032 | | 0.010 | 0.00089 | mg/L | | 02/21/23 10:20 | 02/22/23 20:49 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:49 | 1 |
| Boron | 0.040 | J | 0.080 | 0.022 | mg/L | | 02/21/23 10:20 | 02/23/23 17:02 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/21/23 10:20 | 02/22/23 20:49 | 1 |
| Calcium | 6.9 | | 0.50 | 0.14 | mg/L | | 02/21/23 10:20 | 02/22/23 20:49 | 1 |
| Chromium | 0.0014 | J | 0.0020 | 0.0012 | mg/L | | 02/21/23 10:20 | 02/22/23 20:49 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:49 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/21/23 10:20 | 02/23/23 17:02 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/21/23 10:20 | 02/22/23 20:49 | 1 |
| Lithium | 0.0025 | J | 0.0050 | 0.0020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:49 | 1 |
| Magnesium | 1.6 | | 0.50 | 0.023 | mg/L | | 02/21/23 10:20 | 02/22/23 20:49 | 1 |
| Manganese | 0.0056 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:49 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:49 | 1 |
| Potassium | 1.7 | | 0.50 | 0.044 | mg/L | | 02/21/23 10:20 | 02/22/23 20:49 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/21/23 10:20 | 02/22/23 20:49 | 1 |
| Sodium | 3.6 | | 0.50 | 0.20 | mg/L | | 02/21/23 10:20 | 02/22/23 20:49 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 10:20 | 02/22/23 20:49 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 16:09 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 33 | | 5.0 | 5.0 | mg/L | | | 02/22/23 16:52 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 33 | | 5.0 | 5.0 | mg/L | | | 02/22/23 16:52 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 16:52 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 54 | | 10 | 10 | mg/L | | | 02/22/23 12:05 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/23/23 12:01 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 6.39 | | | | SU | | | 02/16/23 13:18 | 1 |

Eurofins Savannah

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-11

Lab Sample ID: 680-230805-3

Date Collected: 02/16/23 11:55

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 3.3 | | 1.0 | 0.20 | mg/L | | | 02/25/23 02:35 | 1 |
| Fluoride | 0.041 | J | 0.10 | 0.040 | mg/L | | | 02/25/23 02:35 | 1 |
| Sulfate | 1.0 | | 1.0 | 0.40 | mg/L | | | 02/25/23 02:35 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/21/23 10:20 | 02/22/23 20:29 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:29 | 1 |
| Barium | 0.041 | | 0.010 | 0.00089 | mg/L | | 02/21/23 10:20 | 02/22/23 20:29 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:29 | 1 |
| Boron | <0.022 | | 0.080 | 0.022 | mg/L | | 02/21/23 10:20 | 02/23/23 16:42 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/21/23 10:20 | 02/22/23 20:29 | 1 |
| Calcium | 1.7 | | 0.50 | 0.14 | mg/L | | 02/21/23 10:20 | 02/22/23 20:29 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/21/23 10:20 | 02/22/23 20:29 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:29 | 1 |
| Iron | 0.022 | J | 0.050 | 0.012 | mg/L | | 02/21/23 10:20 | 02/23/23 16:42 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/21/23 10:20 | 02/22/23 20:29 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:29 | 1 |
| Magnesium | 1.3 | | 0.50 | 0.023 | mg/L | | 02/21/23 10:20 | 02/22/23 20:29 | 1 |
| Manganese | 0.016 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:29 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:29 | 1 |
| Potassium | 1.2 | | 0.50 | 0.044 | mg/L | | 02/21/23 10:20 | 02/22/23 20:29 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/21/23 10:20 | 02/22/23 20:29 | 1 |
| Sodium | 3.4 | | 0.50 | 0.20 | mg/L | | 02/21/23 10:20 | 02/22/23 20:29 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 10:20 | 02/22/23 20:29 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 15:45 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 11 | | 5.0 | 5.0 | mg/L | | | 02/22/23 16:44 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 11 | | 5.0 | 5.0 | mg/L | | | 02/22/23 16:44 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 16:44 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 33 | | 10 | 10 | mg/L | | | 02/22/23 12:05 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.83 | | 0.83 | 0.83 | mg/L | | | 02/23/23 12:01 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 5.69 | | | | SU | | | 02/16/23 11:55 | 1 |

Client Sample Results

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-12

Lab Sample ID: 680-230805-4

Date Collected: 02/16/23 10:55

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 2.9 | | 1.0 | 0.20 | mg/L | | | 02/25/23 02:48 | 1 |
| Fluoride | 0.089 | J | 0.10 | 0.040 | mg/L | | | 02/25/23 02:48 | 1 |
| Sulfate | 2.8 | | 1.0 | 0.40 | mg/L | | | 02/25/23 02:48 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/21/23 10:20 | 02/22/23 20:53 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:53 | 1 |
| Barium | 0.014 | | 0.010 | 0.00089 | mg/L | | 02/21/23 10:20 | 02/22/23 20:53 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:53 | 1 |
| Boron | 0.024 | J | 0.080 | 0.022 | mg/L | | 02/21/23 10:20 | 02/23/23 17:06 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/21/23 10:20 | 02/22/23 20:53 | 1 |
| Calcium | 12 | | 0.50 | 0.14 | mg/L | | 02/21/23 10:20 | 02/22/23 20:53 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/21/23 10:20 | 02/22/23 20:53 | 1 |
| Cobalt | 0.00040 | J | 0.0025 | 0.00022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:53 | 1 |
| Iron | 1.5 | | 0.050 | 0.012 | mg/L | | 02/21/23 10:20 | 02/23/23 17:06 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/21/23 10:20 | 02/22/23 20:53 | 1 |
| Lithium | 0.0036 | J | 0.0050 | 0.0020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:53 | 1 |
| Magnesium | 2.6 | | 0.50 | 0.023 | mg/L | | 02/21/23 10:20 | 02/22/23 20:53 | 1 |
| Manganese | 0.013 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:53 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:53 | 1 |
| Potassium | 2.0 | | 0.50 | 0.044 | mg/L | | 02/21/23 10:20 | 02/22/23 20:53 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/21/23 10:20 | 02/22/23 20:53 | 1 |
| Sodium | 5.8 | | 0.50 | 0.20 | mg/L | | 02/21/23 10:20 | 02/22/23 20:53 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 10:20 | 02/22/23 20:53 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 16:13 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 43 | | 5.0 | 5.0 | mg/L | | | 02/22/23 17:36 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 43 | | 5.0 | 5.0 | mg/L | | | 02/22/23 17:36 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 17:36 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 89 | | 10 | 10 | mg/L | | | 02/22/23 12:05 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.83 | | 0.83 | 0.83 | mg/L | | | 02/23/23 12:01 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 6.61 | | | | SU | | | 02/16/23 10:55 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-13

Lab Sample ID: 680-230805-5

Date Collected: 02/16/23 15:25

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 0.97 | J | 1.0 | 0.20 | mg/L | | | 02/25/23 03:02 | 1 |
| Fluoride | 0.15 | | 0.10 | 0.040 | mg/L | | | 02/25/23 03:02 | 1 |
| Sulfate | 2.3 | | 1.0 | 0.40 | mg/L | | | 02/25/23 03:02 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/21/23 10:20 | 02/22/23 20:17 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:17 | 1 |
| Barium | 0.037 | | 0.010 | 0.00089 | mg/L | | 02/21/23 10:20 | 02/22/23 20:17 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:17 | 1 |
| Boron | 0.033 | J | 0.080 | 0.022 | mg/L | | 02/21/23 10:20 | 02/23/23 16:30 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/21/23 10:20 | 02/22/23 20:17 | 1 |
| Calcium | 3.8 | | 0.50 | 0.14 | mg/L | | 02/21/23 10:20 | 02/22/23 20:17 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 03/21/23 05:25 | 03/22/23 00:29 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:17 | 1 |
| Iron | 0.095 | | 0.050 | 0.012 | mg/L | | 02/21/23 10:20 | 02/23/23 16:30 | 1 |
| Lead | 0.00027 | J | 0.0010 | 0.00021 | mg/L | | 02/21/23 10:20 | 02/22/23 20:17 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:17 | 1 |
| Magnesium | 0.48 | J | 0.50 | 0.023 | mg/L | | 02/21/23 10:20 | 02/22/23 20:17 | 1 |
| Manganese | <0.0022 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:17 | 1 |
| Molybdenum | 0.0013 | J | 0.015 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:17 | 1 |
| Potassium | 1.7 | | 0.50 | 0.044 | mg/L | | 02/21/23 10:20 | 02/22/23 20:17 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/21/23 10:20 | 02/22/23 20:17 | 1 |
| Sodium | 9.3 | | 0.50 | 0.20 | mg/L | | 02/21/23 10:20 | 02/22/23 20:17 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 10:20 | 02/22/23 20:17 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 16:20 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 33 | | 5.0 | 5.0 | mg/L | | | 02/22/23 17:44 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 33 | | 5.0 | 5.0 | mg/L | | | 02/22/23 17:44 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 17:44 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 81 | | 10 | 10 | mg/L | | | 02/22/23 12:05 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/23/23 12:01 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 6.27 | | | | SU | | | 02/16/23 15:25 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-14A

Lab Sample ID: 680-230805-6

Date Collected: 02/16/23 13:30

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 1.9 | | 1.0 | 0.20 | mg/L | | | 02/25/23 03:15 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 02/25/23 03:15 | 1 |
| Sulfate | 0.47 | J | 1.0 | 0.40 | mg/L | | | 02/25/23 03:15 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |
| Barium | 0.028 | | 0.010 | 0.00089 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |
| Beryllium | 0.00031 | J | 0.0025 | 0.00020 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |
| Boron | 0.030 | J B | 0.080 | 0.022 | mg/L | | 02/21/23 09:52 | 02/24/23 16:53 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |
| Calcium | 0.69 | | 0.50 | 0.14 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |
| Cobalt | 0.0022 | J | 0.0025 | 0.00022 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |
| Iron | 0.044 | J | 0.050 | 0.012 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |
| Lead | 0.00024 | J | 0.0010 | 0.00021 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |
| Magnesium | 0.71 | | 0.50 | 0.023 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |
| Manganese | 0.055 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |
| Potassium | 1.7 | | 0.50 | 0.044 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |
| Sodium | 4.0 | | 0.50 | 0.20 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 09:52 | 02/22/23 19:20 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 16:16 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 12 | | 5.0 | 5.0 | mg/L | | | 02/22/23 17:52 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 12 | | 5.0 | 5.0 | mg/L | | | 02/22/23 17:52 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 17:52 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 27 | | 10 | 10 | mg/L | | | 02/22/23 12:05 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/23/23 12:01 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 5.40 | | | | SU | | | 02/16/23 13:30 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-17

Lab Sample ID: 680-230805-7

Date Collected: 02/16/23 11:02

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 1.2 | | 1.0 | 0.20 | mg/L | | | 02/25/23 03:28 | 1 |
| Fluoride | 0.069 | J | 0.10 | 0.040 | mg/L | | | 02/25/23 03:28 | 1 |
| Sulfate | 2.6 | | 1.0 | 0.40 | mg/L | | | 02/25/23 03:28 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/21/23 10:20 | 02/22/23 20:25 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:25 | 1 |
| Barium | 0.010 | | 0.010 | 0.00089 | mg/L | | 02/21/23 10:20 | 02/22/23 20:25 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:25 | 1 |
| Boron | <0.022 | | 0.080 | 0.022 | mg/L | | 02/21/23 10:20 | 02/23/23 16:38 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/21/23 10:20 | 02/22/23 20:25 | 1 |
| Calcium | 6.0 | | 0.50 | 0.14 | mg/L | | 02/21/23 10:20 | 02/22/23 20:25 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/21/23 10:20 | 02/22/23 20:25 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:25 | 1 |
| Iron | 0.15 | | 0.050 | 0.012 | mg/L | | 02/21/23 10:20 | 02/23/23 16:38 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/21/23 10:20 | 02/22/23 20:25 | 1 |
| Lithium | 0.0026 | J | 0.0050 | 0.0020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:25 | 1 |
| Magnesium | 3.5 | | 0.50 | 0.023 | mg/L | | 02/21/23 10:20 | 02/22/23 20:25 | 1 |
| Manganese | 0.0072 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:25 | 1 |
| Molybdenum | 0.0022 | J | 0.015 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:25 | 1 |
| Potassium | 1.7 | | 0.50 | 0.044 | mg/L | | 02/21/23 10:20 | 02/22/23 20:25 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/21/23 10:20 | 02/22/23 20:25 | 1 |
| Sodium | 9.2 | | 0.50 | 0.20 | mg/L | | 02/21/23 10:20 | 02/22/23 20:25 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 10:20 | 02/22/23 20:25 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 15:59 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 46 | | 5.0 | 5.0 | mg/L | | | 02/22/23 18:00 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 46 | | 5.0 | 5.0 | mg/L | | | 02/22/23 18:00 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 18:00 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 77 | | 10 | 10 | mg/L | | | 02/22/23 12:05 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/23/23 12:01 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 6.28 | | | | SU | | | 02/16/23 11:02 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-19

Lab Sample ID: 680-230805-8

Date Collected: 02/16/23 13:09

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 2.6 | | 1.0 | 0.20 | mg/L | | | 02/25/23 03:41 | 1 |
| Fluoride | 0.33 | | 0.10 | 0.040 | mg/L | | | 02/25/23 03:41 | 1 |
| Sulfate | 3.0 | | 1.0 | 0.40 | mg/L | | | 02/25/23 03:41 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/21/23 10:20 | 02/22/23 20:57 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:57 | 1 |
| Barium | 0.00096 | J | 0.010 | 0.00089 | mg/L | | 02/21/23 10:20 | 02/22/23 20:57 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:57 | 1 |
| Boron | <0.022 | | 0.080 | 0.022 | mg/L | | 02/21/23 10:20 | 02/23/23 17:10 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/21/23 10:20 | 02/22/23 20:57 | 1 |
| Calcium | 13 | | 0.50 | 0.14 | mg/L | | 02/21/23 10:20 | 02/22/23 20:57 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/21/23 10:20 | 02/22/23 20:57 | 1 |
| Cobalt | 0.00053 | J | 0.0025 | 0.00022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:57 | 1 |
| Iron | 0.14 | | 0.050 | 0.012 | mg/L | | 02/21/23 10:20 | 02/23/23 17:10 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/21/23 10:20 | 02/22/23 20:57 | 1 |
| Lithium | 0.053 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:57 | 1 |
| Magnesium | 9.0 | | 0.50 | 0.023 | mg/L | | 02/21/23 10:20 | 02/22/23 20:57 | 1 |
| Manganese | 0.019 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:57 | 1 |
| Molybdenum | 0.0014 | J | 0.015 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:57 | 1 |
| Potassium | 1.3 | | 0.50 | 0.044 | mg/L | | 02/21/23 10:20 | 02/22/23 20:57 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/21/23 10:20 | 02/22/23 20:57 | 1 |
| Sodium | 7.6 | | 0.50 | 0.20 | mg/L | | 02/21/23 10:20 | 02/22/23 20:57 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 10:20 | 02/22/23 20:57 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 16:33 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 88 | | 5.0 | 5.0 | mg/L | | | 02/22/23 18:28 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 88 | | 5.0 | 5.0 | mg/L | | | 02/22/23 18:28 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 18:28 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 100 | | 10 | 10 | mg/L | | | 02/22/23 12:05 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.83 | | 0.83 | 0.83 | mg/L | | | 02/23/23 12:01 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 6.80 | | | | SU | | | 02/16/23 13:09 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-20

Lab Sample ID: 680-230805-9

Date Collected: 02/16/23 10:05

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Chloride | 230 | | 5.0 | 1.0 | mg/L | | | 02/25/23 03:54 | 5 |
| Fluoride | 1.9 | | 0.50 | 0.20 | mg/L | | | 02/25/23 03:54 | 5 |
| Sulfate | 350 | | 5.0 | 2.0 | mg/L | | | 02/25/23 03:54 | 5 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |
| Barium | <0.00089 | | 0.010 | 0.00089 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |
| Beryllium | 0.011 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |
| Boron | 3.5 | B | 0.80 | 0.22 | mg/L | | 02/21/23 09:52 | 02/24/23 17:02 | 10 |
| Cadmium | 0.00057 | J | 0.0025 | 0.000078 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |
| Calcium | 190 | | 0.50 | 0.14 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |
| Lithium | 0.14 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |
| Magnesium | 44 | | 0.50 | 0.023 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |
| Manganese | 0.36 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |
| Potassium | 6.6 | | 0.50 | 0.044 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |
| Selenium | 0.0017 | J | 0.0050 | 0.00099 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |
| Sodium | 54 | | 0.50 | 0.20 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 09:52 | 02/22/23 19:28 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 16:40 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 9.5 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:20 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 9.5 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:20 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:20 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 960 | | 40 | 40 | mg/L | | | 02/22/23 12:05 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.86 | | 0.86 | 0.86 | mg/L | | | 02/23/23 12:01 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 5.17 | | | | SU | | | 02/16/23 10:05 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-21

Lab Sample ID: 680-230805-10

Date Collected: 02/16/23 16:07

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 51 | | 1.0 | 0.20 | mg/L | | | 03/02/23 13:06 | 1 |
| Fluoride | 1.9 | | 0.10 | 0.040 | mg/L | | | 03/02/23 13:06 | 1 |

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Sulfate | 340 | | 5.0 | 2.0 | mg/L | | | 03/03/23 15:36 | 5 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |
| Barium | 0.0053 | J | 0.010 | 0.00089 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |
| Boron | 0.14 | B | 0.080 | 0.022 | mg/L | | 02/21/23 09:52 | 02/24/23 17:06 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |
| Calcium | 68 | | 0.50 | 0.14 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |
| Chromium | 0.0015 | J | 0.0020 | 0.0012 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |
| Iron | 0.079 | | 0.050 | 0.012 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |
| Lithium | 0.053 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |
| Magnesium | 9.0 | | 0.50 | 0.023 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |
| Manganese | 0.040 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |
| Molybdenum | 0.034 | | 0.015 | 0.00086 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |
| Potassium | 3.1 | | 0.50 | 0.044 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |
| Sodium | 160 | | 0.50 | 0.20 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 09:52 | 02/22/23 19:32 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 16:26 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 110 | | 5.0 | 5.0 | mg/L | | | 02/22/23 18:10 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 110 | | 5.0 | 5.0 | mg/L | | | 02/22/23 18:10 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 18:10 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 630 | | 40 | 40 | mg/L | | | 02/22/23 12:05 | 1 |
| Sulfide (SM 4500 S2 F-2011) | 1.1 | | 0.83 | 0.83 | mg/L | | | 02/23/23 12:01 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 6.92 | | | | SU | | | 02/16/23 16:07 | 1 |

Eurofins Savannah

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-26D

Lab Sample ID: 680-230805-11

Date Collected: 02/16/23 12:50

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 280 | | 2.0 | 0.40 | mg/L | | | 03/02/23 20:21 | 2 |
| Fluoride | 1.7 | | 0.20 | 0.080 | mg/L | | | 03/02/23 20:21 | 2 |
| Sulfate | 370 | | 2.0 | 0.80 | mg/L | | | 03/02/23 20:21 | 2 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |
| Barium | 0.0045 | J | 0.010 | 0.00089 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |
| Beryllium | 0.0079 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |
| Boron | 3.9 | B | 0.80 | 0.22 | mg/L | | 02/21/23 09:52 | 02/24/23 16:49 | 10 |
| Cadmium | 0.00018 | J | 0.0025 | 0.000078 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |
| Calcium | 180 | | 0.50 | 0.14 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |
| Cobalt | 0.0014 | J | 0.0025 | 0.00022 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |
| Iron | 1.6 | | 0.050 | 0.012 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |
| Lithium | 0.17 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |
| Magnesium | 57 | | 0.50 | 0.023 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |
| Manganese | 0.73 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |
| Molybdenum | 0.0060 | J | 0.015 | 0.00086 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |
| Potassium | 4.6 | | 0.50 | 0.044 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |
| Selenium | 0.0012 | J | 0.0050 | 0.00099 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |
| Sodium | 53 | | 0.50 | 0.20 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 09:52 | 02/22/23 19:16 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 15:52 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 21 | | 5.0 | 5.0 | mg/L | | | 02/22/23 18:19 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 21 | | 5.0 | 5.0 | mg/L | | | 02/22/23 18:19 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 18:19 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 1100 | | 40 | 40 | mg/L | | | 02/22/23 12:05 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.83 | | 0.83 | 0.83 | mg/L | | | 02/23/23 12:01 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 5.52 | | | | SU | | | 02/16/23 12:50 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-27

Lab Sample ID: 680-230805-12

Date Collected: 02/16/23 15:25

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 22 | F1 | 1.0 | 0.20 | mg/L | | | 03/02/23 20:34 | 1 |
| Fluoride | 0.92 | | 0.10 | 0.040 | mg/L | | | 03/02/23 20:34 | 1 |
| Sulfate | 29 | | 1.0 | 0.40 | mg/L | | | 03/02/23 20:34 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | 0.00047 | J | 0.0020 | 0.00034 | mg/L | | 02/21/23 10:20 | 02/22/23 20:01 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:01 | 1 |
| Barium | 0.0049 | J | 0.010 | 0.00089 | mg/L | | 02/21/23 10:20 | 02/22/23 20:01 | 1 |
| Beryllium | 0.00046 | J | 0.0025 | 0.00020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:01 | 1 |
| Boron | 0.22 | | 0.080 | 0.022 | mg/L | | 02/21/23 10:20 | 02/23/23 16:13 | 1 |
| Cadmium | 0.000080 | J | 0.0025 | 0.000078 | mg/L | | 02/21/23 10:20 | 02/22/23 20:01 | 1 |
| Calcium | 19 | F1 | 0.50 | 0.14 | mg/L | | 02/21/23 10:20 | 02/22/23 20:01 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/21/23 10:20 | 02/22/23 20:01 | 1 |
| Cobalt | 0.0013 | J | 0.0025 | 0.00022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:01 | 1 |
| Iron | 0.42 | F1 F2 | 0.050 | 0.012 | mg/L | | 02/21/23 10:20 | 02/23/23 16:13 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/21/23 10:20 | 02/22/23 20:01 | 1 |
| Lithium | 0.024 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:01 | 1 |
| Magnesium | 3.2 | | 0.50 | 0.023 | mg/L | | 02/21/23 10:20 | 02/22/23 20:01 | 1 |
| Manganese | 0.43 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:01 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:01 | 1 |
| Potassium | 2.0 | | 0.50 | 0.044 | mg/L | | 02/21/23 10:20 | 02/22/23 20:01 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/21/23 10:20 | 02/22/23 20:01 | 1 |
| Sodium | 15 | F1 | 0.50 | 0.20 | mg/L | | 02/21/23 10:20 | 02/22/23 20:01 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 10:20 | 02/22/23 20:01 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:57 | 02/22/23 12:00 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 35 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:28 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 35 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:28 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:28 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 160 | | 40 | 40 | mg/L | | | 02/22/23 12:05 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.83 | | 0.83 | 0.83 | mg/L | | | 02/23/23 12:01 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 5.91 | | | | SU | | | 02/16/23 15:25 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-AP1-FD-02

Lab Sample ID: 680-230805-13

Date Collected: 02/16/23 00:00

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 1.7 | | 0.10 | 0.040 | mg/L | | | 03/02/23 21:13 | 1 |

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Chloride | 280 | | 5.0 | 1.0 | mg/L | | | 03/03/23 16:03 | 5 |
| Sulfate | 370 | | 5.0 | 2.0 | mg/L | | | 03/03/23 16:03 | 5 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/21/23 10:20 | 02/22/23 20:45 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:45 | 1 |
| Barium | 0.0047 | J | 0.010 | 0.00089 | mg/L | | 02/21/23 10:20 | 02/22/23 20:45 | 1 |
| Beryllium | 0.0076 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:45 | 1 |
| Boron | 3.9 | | 0.32 | 0.088 | mg/L | | 02/21/23 10:20 | 02/23/23 16:58 | 4 |
| Cadmium | 0.00023 | J | 0.0025 | 0.000078 | mg/L | | 02/21/23 10:20 | 02/22/23 20:45 | 1 |
| Calcium | 170 | | 0.50 | 0.14 | mg/L | | 02/21/23 10:20 | 02/22/23 20:45 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/21/23 10:20 | 02/22/23 20:45 | 1 |
| Cobalt | 0.0013 | J | 0.0025 | 0.00022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:45 | 1 |
| Iron | 1.5 | | 0.20 | 0.048 | mg/L | | 02/21/23 10:20 | 02/23/23 16:58 | 4 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/21/23 10:20 | 02/22/23 20:45 | 1 |
| Lithium | 0.17 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:45 | 1 |
| Magnesium | 54 | | 0.50 | 0.023 | mg/L | | 02/21/23 10:20 | 02/22/23 20:45 | 1 |
| Manganese | 0.71 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:45 | 1 |
| Molybdenum | 0.0057 | J | 0.015 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:45 | 1 |
| Potassium | 4.4 | | 0.50 | 0.044 | mg/L | | 02/21/23 10:20 | 02/22/23 20:45 | 1 |
| Selenium | 0.0012 | J | 0.0050 | 0.00099 | mg/L | | 02/21/23 10:20 | 02/22/23 20:45 | 1 |
| Sodium | 51 | | 0.50 | 0.20 | mg/L | | 02/21/23 10:20 | 02/22/23 20:45 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 10:20 | 02/22/23 20:45 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 15:55 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 39 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:37 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 39 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:37 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:37 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 1100 | | 40 | 40 | mg/L | | | 02/23/23 13:26 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.83 | | 0.83 | 0.83 | mg/L | | | 02/23/23 12:01 | 1 |

Client Sample ID: WAN-AP1-FD-03

Lab Sample ID: 680-230805-14

Date Collected: 02/16/23 00:00

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 120 | | 1.0 | 0.20 | mg/L | | | 03/02/23 21:26 | 1 |

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Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-AP1-FD-03

Lab Sample ID: 680-230805-14

Date Collected: 02/16/23 00:00

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.14 | | 0.10 | 0.040 | mg/L | | | 03/02/23 21:26 | 1 |

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Sulfate | 250 | | 5.0 | 2.0 | mg/L | | | 03/03/23 16:16 | 5 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | 0.00080 | J | 0.0020 | 0.00034 | mg/L | | 02/21/23 10:20 | 02/22/23 20:13 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:13 | 1 |
| Barium | 0.00098 | J | 0.010 | 0.00089 | mg/L | | 02/21/23 10:20 | 02/22/23 20:13 | 1 |
| Beryllium | 0.0024 | J | 0.0025 | 0.00020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:13 | 1 |
| Boron | 2.7 | | 0.32 | 0.088 | mg/L | | 02/21/23 10:20 | 02/23/23 16:26 | 4 |
| Cadmium | 0.00057 | J | 0.0025 | 0.000078 | mg/L | | 02/21/23 10:20 | 02/22/23 20:13 | 1 |
| Calcium | 90 | | 0.50 | 0.14 | mg/L | | 02/21/23 10:20 | 02/22/23 20:13 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/21/23 10:20 | 02/22/23 20:13 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:13 | 1 |
| Iron | <0.048 | | 0.20 | 0.048 | mg/L | | 02/21/23 10:20 | 02/23/23 16:26 | 4 |
| Lead | 0.00036 | J | 0.0010 | 0.00021 | mg/L | | 02/21/23 10:20 | 02/22/23 20:13 | 1 |
| Lithium | 0.010 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:13 | 1 |
| Magnesium | 24 | | 0.50 | 0.023 | mg/L | | 02/21/23 10:20 | 02/22/23 20:13 | 1 |
| Manganese | 0.0084 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:13 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:13 | 1 |
| Potassium | 9.4 | | 0.50 | 0.044 | mg/L | | 02/21/23 10:20 | 02/22/23 20:13 | 1 |
| Selenium | 0.0044 | J | 0.0050 | 0.00099 | mg/L | | 02/21/23 10:20 | 02/22/23 20:13 | 1 |
| Sodium | 39 | | 0.50 | 0.20 | mg/L | | 02/21/23 10:20 | 02/22/23 20:13 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 10:20 | 02/22/23 20:13 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 16:54 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | 10 | | 5.0 | 5.0 | mg/L | | | 02/22/23 22:53 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | 10 | | 5.0 | 5.0 | mg/L | | | 02/22/23 22:53 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 22:53 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | 620 | | 40 | 40 | mg/L | | | 02/23/23 13:26 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.83 | | 0.83 | 0.83 | mg/L | | | 02/23/23 12:01 | 1 |

Client Sample ID: WAN-AP1-FB-08

Lab Sample ID: 680-230805-15

Date Collected: 02/16/23 12:25

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.20 | | 1.0 | 0.20 | mg/L | | | 03/02/23 21:40 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 03/02/23 21:40 | 1 |

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Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-AP1-FB-08

Lab Sample ID: 680-230805-15

Date Collected: 02/16/23 12:25

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Sulfate | <0.40 | | 1.0 | 0.40 | mg/L | | | 03/02/23 21:40 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/21/23 10:20 | 02/22/23 20:21 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:21 | 1 |
| Barium | <0.00089 | | 0.010 | 0.00089 | mg/L | | 02/21/23 10:20 | 02/22/23 20:21 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:21 | 1 |
| Boron | <0.022 | | 0.080 | 0.022 | mg/L | | 02/21/23 10:20 | 02/23/23 16:34 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/21/23 10:20 | 02/22/23 20:21 | 1 |
| Calcium | 0.25 | J | 0.50 | 0.14 | mg/L | | 02/21/23 10:20 | 02/22/23 20:21 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/21/23 10:20 | 02/22/23 20:21 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:21 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/21/23 10:20 | 02/23/23 16:34 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/21/23 10:20 | 02/22/23 20:21 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 10:20 | 02/22/23 20:21 | 1 |
| Magnesium | <0.023 | | 0.50 | 0.023 | mg/L | | 02/21/23 10:20 | 02/22/23 20:21 | 1 |
| Manganese | <0.0022 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 10:20 | 02/22/23 20:21 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 20:21 | 1 |
| Potassium | 0.045 | J | 0.50 | 0.044 | mg/L | | 02/21/23 10:20 | 02/22/23 20:21 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/21/23 10:20 | 02/22/23 20:21 | 1 |
| Sodium | 0.60 | | 0.50 | 0.20 | mg/L | | 02/21/23 10:20 | 02/22/23 20:21 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 10:20 | 02/22/23 20:21 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 16:23 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:05 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:05 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:05 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | <10 | | 10 | 10 | mg/L | | | 02/23/23 13:26 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/23/23 12:01 | 1 |

Client Sample ID: WAN-AP1-FB-09

Lab Sample ID: 680-230805-16

Date Collected: 02/16/23 15:55

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.20 | | 1.0 | 0.20 | mg/L | | | 03/02/23 21:53 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 03/02/23 21:53 | 1 |
| Sulfate | <0.40 | | 1.0 | 0.40 | mg/L | | | 03/02/23 21:53 | 1 |

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Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-AP1-FB-09

Lab Sample ID: 680-230805-16

Date Collected: 02/16/23 15:55

Matrix: Water

Date Received: 02/18/23 06:30

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |
| Barium | <0.00089 | | 0.010 | 0.00089 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |
| Boron | <0.022 | | 0.080 | 0.022 | mg/L | | 02/21/23 09:52 | 02/24/23 16:58 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |
| Calcium | <0.14 | | 0.50 | 0.14 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |
| Magnesium | <0.023 | | 0.50 | 0.023 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |
| Manganese | <0.0022 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |
| Potassium | <0.044 | | 0.50 | 0.044 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |
| Sodium | <0.20 | | 0.50 | 0.20 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 09:52 | 02/22/23 19:24 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 16:30 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:13 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:13 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:13 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | <10 | | 10 | 10 | mg/L | | | 02/23/23 13:26 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.83 | | 0.83 | 0.83 | mg/L | | | 02/23/23 12:01 | 1 |

Client Sample ID: WAN-AP1-EB-02

Lab Sample ID: 680-230805-17

Date Collected: 02/16/23 09:10

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.20 | | 1.0 | 0.20 | mg/L | | | 03/02/23 22:06 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 03/02/23 22:06 | 1 |
| Sulfate | <0.40 | | 1.0 | 0.40 | mg/L | | | 03/02/23 22:06 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|----------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |
| Barium | <0.00089 | | 0.010 | 0.00089 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |

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Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-AP1-EB-02

Lab Sample ID: 680-230805-17

Date Collected: 02/16/23 09:10

Matrix: Water

Date Received: 02/18/23 06:30

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Boron | <0.022 | | 0.080 | 0.022 | mg/L | | 02/21/23 09:52 | 02/24/23 17:10 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |
| Calcium | <0.14 | | 0.50 | 0.14 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |
| Magnesium | <0.023 | | 0.50 | 0.023 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |
| Manganese | <0.0022 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |
| Potassium | <0.044 | | 0.50 | 0.044 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |
| Sodium | <0.20 | | 0.50 | 0.20 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 09:52 | 02/22/23 19:36 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 16:37 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 22:25 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 22:25 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 22:25 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | <10 | | 10 | 10 | mg/L | | | 02/23/23 13:26 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/23/23 09:48 | 1 |

Client Sample ID: WAN-AP1-EB-03

Lab Sample ID: 680-230805-18

Date Collected: 02/16/23 16:15

Matrix: Water

Date Received: 02/18/23 06:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.20 | | 1.0 | 0.20 | mg/L | | | 03/02/23 22:19 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 03/02/23 22:19 | 1 |
| Sulfate | <0.40 | | 1.0 | 0.40 | mg/L | | | 03/02/23 22:19 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|-----------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |
| Barium | <0.00089 | | 0.010 | 0.00089 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |
| Boron | <0.022 | | 0.080 | 0.022 | mg/L | | 02/21/23 09:52 | 02/24/23 17:14 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |
| Calcium | <0.14 | | 0.50 | 0.14 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |

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Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-AP1-EB-03

Lab Sample ID: 680-230805-18

Date Collected: 02/16/23 16:15

Matrix: Water

Date Received: 02/18/23 06:30

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |
| Magnesium | <0.023 | | 0.50 | 0.023 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |
| Manganese | <0.0022 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |
| Potassium | <0.044 | | 0.50 | 0.044 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |
| Sodium | <0.20 | | 0.50 | 0.20 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 09:52 | 02/22/23 19:40 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 16:51 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:09 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:09 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B-2011) | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 23:09 | 1 |
| Total Dissolved Solids (SM 2540C-2011) | <10 | | 10 | 10 | mg/L | | | 02/23/23 13:26 | 1 |
| Sulfide (SM 4500 S2 F-2011) | <0.81 | | 0.81 | 0.81 | mg/L | | | 02/23/23 09:48 | 1 |

QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 680-764879/63
Matrix: Water
Analysis Batch: 764879

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.20 | | 1.0 | 0.20 | mg/L | | | 02/25/23 01:16 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 02/25/23 01:16 | 1 |
| Sulfate | <0.40 | | 1.0 | 0.40 | mg/L | | | 02/25/23 01:16 | 1 |

Lab Sample ID: LCS 680-764879/64
Matrix: Water
Analysis Batch: 764879

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 10.0 | 10.2 | | mg/L | | 102 | 90 - 110 |
| Fluoride | 2.00 | 2.04 | | mg/L | | 102 | 90 - 110 |
| Sulfate | 10.0 | 9.79 | | mg/L | | 98 | 90 - 110 |

Lab Sample ID: LCSD 680-764879/65
Matrix: Water
Analysis Batch: 764879

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Chloride | 10.0 | 10.3 | | mg/L | | 103 | 90 - 110 | 0 | 15 |
| Fluoride | 2.00 | 2.04 | | mg/L | | 102 | 90 - 110 | 0 | 15 |
| Sulfate | 10.0 | 9.82 | | mg/L | | 98 | 90 - 110 | 0 | 15 |

Lab Sample ID: 680-230805-2 MS
Matrix: Water
Analysis Batch: 764879

Client Sample ID: WAN-WGWC-10
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Chloride | 1.3 | | 10.0 | 11.0 | | mg/L | | 96 | 80 - 120 |
| Fluoride | 0.11 | | 2.00 | 2.12 | | mg/L | | 100 | 80 - 120 |
| Sulfate | 1.8 | | 10.0 | 11.4 | | mg/L | | 96 | 80 - 120 |

Lab Sample ID: 680-230805-2 MSD
Matrix: Water
Analysis Batch: 764879

Client Sample ID: WAN-WGWC-10
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Chloride | 1.3 | | 10.0 | 11.0 | | mg/L | | 97 | 80 - 120 | 1 | 15 |
| Fluoride | 0.11 | | 2.00 | 2.13 | | mg/L | | 101 | 80 - 120 | 1 | 15 |
| Sulfate | 1.8 | | 10.0 | 11.5 | | mg/L | | 97 | 80 - 120 | 1 | 15 |

Lab Sample ID: MB 680-765703/2
Matrix: Water
Analysis Batch: 765703

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.20 | | 1.0 | 0.20 | mg/L | | | 03/02/23 09:48 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 03/02/23 09:48 | 1 |
| Sulfate | <0.40 | | 1.0 | 0.40 | mg/L | | | 03/02/23 09:48 | 1 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 680-765703/4
Matrix: Water
Analysis Batch: 765703

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 10.0 | 10.3 | | mg/L | | 103 | 90 - 110 |
| Fluoride | 2.00 | 2.02 | | mg/L | | 101 | 90 - 110 |
| Sulfate | 10.0 | 10.2 | | mg/L | | 102 | 90 - 110 |

Lab Sample ID: LCSD 680-765703/5
Matrix: Water
Analysis Batch: 765703

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Chloride | 10.0 | 10.3 | | mg/L | | 103 | 90 - 110 | 0 | 15 |
| Fluoride | 2.00 | 2.02 | | mg/L | | 101 | 90 - 110 | 0 | 15 |
| Sulfate | 10.0 | 10.2 | | mg/L | | 102 | 90 - 110 | 1 | 15 |

Lab Sample ID: 680-230724-D-1 MS
Matrix: Water
Analysis Batch: 765703

Client Sample ID: Matrix Spike
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Chloride | 13 | | 10.0 | 23.6 | | mg/L | | 102 | 80 - 120 |
| Fluoride | 0.052 | J | 2.00 | 2.07 | | mg/L | | 101 | 80 - 120 |
| Sulfate | 25 | | 10.0 | 35.6 | | mg/L | | 104 | 80 - 120 |

Lab Sample ID: 680-230724-D-1 MSD
Matrix: Water
Analysis Batch: 765703

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Chloride | 13 | | 10.0 | 23.3 | | mg/L | | 99 | 80 - 120 | 1 | 15 |
| Fluoride | 0.052 | J | 2.00 | 1.99 | | mg/L | | 97 | 80 - 120 | 4 | 15 |
| Sulfate | 25 | | 10.0 | 35.3 | | mg/L | | 101 | 80 - 120 | 1 | 15 |

Lab Sample ID: MB 680-765704/33
Matrix: Water
Analysis Batch: 765704

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.20 | | 1.0 | 0.20 | mg/L | | | 03/02/23 16:37 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 03/02/23 16:37 | 1 |
| Sulfate | <0.40 | | 1.0 | 0.40 | mg/L | | | 03/02/23 16:37 | 1 |

Lab Sample ID: LCS 680-765704/34
Matrix: Water
Analysis Batch: 765704

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 10.0 | 10.3 | | mg/L | | 103 | 90 - 110 |
| Fluoride | 2.00 | 2.01 | | mg/L | | 100 | 90 - 110 |
| Sulfate | 10.0 | 9.53 | | mg/L | | 95 | 90 - 110 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 680-765704/35
Matrix: Water
Analysis Batch: 765704

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Chloride | 10.0 | 10.3 | | mg/L | | 103 | 90 - 110 | 0 | 15 |
| Fluoride | 2.00 | 2.01 | | mg/L | | 101 | 90 - 110 | 0 | 15 |
| Sulfate | 10.0 | 9.60 | | mg/L | | 96 | 90 - 110 | 1 | 15 |

Lab Sample ID: 680-230805-12 MS
Matrix: Water
Analysis Batch: 765704

Client Sample ID: WAN-WGWC-27
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Chloride | 22 | F1 | 10.0 | 35.1 | F1 | mg/L | | 128 | 80 - 120 |
| Fluoride | 0.92 | | 2.00 | 3.03 | | mg/L | | 106 | 80 - 120 |
| Sulfate | 29 | | 10.0 | 38.6 | | mg/L | | 100 | 80 - 120 |

Lab Sample ID: 680-230805-12 MSD
Matrix: Water
Analysis Batch: 765704

Client Sample ID: WAN-WGWC-27
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Chloride | 22 | F1 | 10.0 | 34.9 | F1 | mg/L | | 125 | 80 - 120 | 1 | 15 |
| Fluoride | 0.92 | | 2.00 | 2.99 | | mg/L | | 104 | 80 - 120 | 1 | 15 |
| Sulfate | 29 | | 10.0 | 38.3 | | mg/L | | 97 | 80 - 120 | 1 | 15 |

Lab Sample ID: MB 680-765879/2
Matrix: Water
Analysis Batch: 765879

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.20 | | 1.0 | 0.20 | mg/L | | | 03/03/23 09:54 | 1 |
| Fluoride | <0.040 | | 0.10 | 0.040 | mg/L | | | 03/03/23 09:54 | 1 |
| Sulfate | <0.40 | | 1.0 | 0.40 | mg/L | | | 03/03/23 09:54 | 1 |

Lab Sample ID: LCS 680-765879/4
Matrix: Water
Analysis Batch: 765879

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 10.0 | 10.3 | | mg/L | | 103 | 90 - 110 |
| Fluoride | 2.00 | 2.06 | | mg/L | | 103 | 90 - 110 |
| Sulfate | 10.0 | 10.3 | | mg/L | | 103 | 90 - 110 |

Lab Sample ID: LCSD 680-765879/5
Matrix: Water
Analysis Batch: 765879

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Chloride | 10.0 | 10.3 | | mg/L | | 103 | 90 - 110 | 0 | 15 |
| Fluoride | 2.00 | 2.07 | | mg/L | | 104 | 90 - 110 | 0 | 15 |
| Sulfate | 10.0 | 10.4 | | mg/L | | 104 | 90 - 110 | 1 | 15 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 680-230854-J-1 MS
Matrix: Water
Analysis Batch: 765879

Client Sample ID: Matrix Spike
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Chloride | 25 | | 10.0 | 34.2 | | mg/L | | 95 | 80 - 120 |
| Fluoride | 0.54 | | 2.00 | 2.54 | | mg/L | | 100 | 80 - 120 |
| Sulfate | 45 | | 10.0 | 53.9 | 4 | mg/L | | 90 | 80 - 120 |

Lab Sample ID: 680-230854-J-1 MSD
Matrix: Water
Analysis Batch: 765879

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Chloride | 25 | | 10.0 | 34.3 | | mg/L | | 96 | 80 - 120 | 0 | 15 |
| Fluoride | 0.54 | | 2.00 | 2.53 | | mg/L | | 99 | 80 - 120 | 0 | 15 |
| Sulfate | 45 | | 10.0 | 53.9 | 4 | mg/L | | 90 | 80 - 120 | 0 | 15 |

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-764270/1-A
Matrix: Water
Analysis Batch: 764596

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 764270

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|--------|----------|------|---|----------------|----------------|---------|
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Barium | <0.00089 | | 0.010 | 0.00089 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Calcium | <0.14 | | 0.50 | 0.14 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Magnesium | <0.023 | | 0.50 | 0.023 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Manganese | <0.0022 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Potassium | <0.044 | | 0.50 | 0.044 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Sodium | <0.20 | | 0.50 | 0.20 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 09:52 | 02/22/23 18:23 | 1 |

Lab Sample ID: MB 680-764270/1-A
Matrix: Water
Analysis Batch: 764981

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 764270

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-------|-------|------|---|----------------|----------------|---------|
| Boron | 0.0248 | J | 0.080 | 0.022 | mg/L | | 02/21/23 09:52 | 02/24/23 15:57 | 1 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

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

Lab Sample ID: LCS 680-764270/2-A
Matrix: Water
Analysis Batch: 764596

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 764270

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec | |
|------------|-------------|------------|---------------|------|---|------|----------|--|
| | | | | | | | Limits | |
| Antimony | 0.0500 | 0.0493 | | mg/L | | 99 | 80 - 120 | |
| Arsenic | 0.100 | 0.102 | | mg/L | | 102 | 80 - 120 | |
| Barium | 0.100 | 0.0976 | | mg/L | | 98 | 80 - 120 | |
| Beryllium | 0.0500 | 0.0488 | | mg/L | | 98 | 80 - 120 | |
| Cadmium | 0.0500 | 0.0492 | | mg/L | | 98 | 80 - 120 | |
| Calcium | 5.00 | 5.14 | | mg/L | | 103 | 80 - 120 | |
| Chromium | 0.100 | 0.0952 | | mg/L | | 95 | 80 - 120 | |
| Cobalt | 0.0500 | 0.0510 | | mg/L | | 102 | 80 - 120 | |
| Iron | 5.00 | 5.31 | | mg/L | | 106 | 80 - 120 | |
| Lead | 0.505 | 0.497 | | mg/L | | 98 | 80 - 120 | |
| Lithium | 0.500 | 0.493 | | mg/L | | 99 | 80 - 120 | |
| Magnesium | 5.01 | 4.92 | | mg/L | | 98 | 80 - 120 | |
| Manganese | 0.400 | 0.409 | | mg/L | | 102 | 80 - 120 | |
| Molybdenum | 0.100 | 0.103 | | mg/L | | 103 | 80 - 120 | |
| Potassium | 6.97 | 6.98 | | mg/L | | 100 | 80 - 120 | |
| Selenium | 0.100 | 0.104 | | mg/L | | 104 | 80 - 120 | |
| Sodium | 5.05 | 5.26 | | mg/L | | 104 | 80 - 120 | |
| Thallium | 0.0500 | 0.0477 | | mg/L | | 95 | 80 - 120 | |

Lab Sample ID: LCS 680-764270/2-A
Matrix: Water
Analysis Batch: 764981

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 764270

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec | |
|---------|-------------|------------|---------------|------|---|------|----------|--|
| | | | | | | | Limits | |
| Boron | 0.200 | 0.218 | | mg/L | | 109 | 80 - 120 | |

Lab Sample ID: 680-230804-E-2-B MS
Matrix: Water
Analysis Batch: 764596

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 764270

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec | |
|------------|---------------|------------------|-------------|-----------|--------------|------|---|------|----------|--|
| | | | | | | | | | Limits | |
| Antimony | 0.0037 | | 0.0500 | 0.0539 | | mg/L | | 101 | 75 - 125 | |
| Arsenic | 0.083 | | 0.100 | 0.182 | | mg/L | | 99 | 75 - 125 | |
| Barium | 0.075 | | 0.100 | 0.168 | | mg/L | | 93 | 75 - 125 | |
| Beryllium | 0.00022 | J | 0.0500 | 0.0497 | | mg/L | | 99 | 75 - 125 | |
| Cadmium | 0.00025 | J | 0.0500 | 0.0495 | | mg/L | | 99 | 75 - 125 | |
| Chromium | 0.0039 | | 0.100 | 0.0994 | | mg/L | | 95 | 75 - 125 | |
| Cobalt | 0.00052 | J | 0.0500 | 0.0519 | | mg/L | | 103 | 75 - 125 | |
| Iron | 0.34 | | 5.00 | 5.58 | | mg/L | | 105 | 75 - 125 | |
| Lead | 0.0018 | | 0.505 | 0.509 | | mg/L | | 100 | 75 - 125 | |
| Lithium | 0.18 | | 0.500 | 0.684 | | mg/L | | 102 | 75 - 125 | |
| Magnesium | 11 | | 5.01 | 15.5 | | mg/L | | 85 | 75 - 125 | |
| Manganese | 0.012 | | 0.400 | 0.428 | | mg/L | | 104 | 75 - 125 | |
| Molybdenum | 0.47 | | 0.100 | 0.543 | 4 | mg/L | | 71 | 75 - 125 | |
| Potassium | 33 | | 6.97 | 38.6 | 4 | mg/L | | 74 | 75 - 125 | |
| Selenium | 0.0013 | J | 0.100 | 0.107 | | mg/L | | 105 | 75 - 125 | |
| Sodium | 28 | | 5.05 | 31.7 | 4 | mg/L | | 76 | 75 - 125 | |
| Thallium | 0.00097 | J | 0.0500 | 0.0505 | | mg/L | | 99 | 75 - 125 | |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

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

Lab Sample ID: 680-230804-E-2-B MS ^100
Matrix: Water
Analysis Batch: 764981

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 764270

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | %Rec | Limits |
|---------|--------|-----------|-------|--------|-----------|------|---|-------|------|----------|
| | Result | Qualifier | Added | Result | Qualifier | | | | | |
| Boron | 49 | B | 0.200 | 47.6 | 4 | mg/L | | -574 | | 75 - 125 |
| Calcium | 1300 | | 5.00 | 1230 | 4 | mg/L | | -1031 | | 75 - 125 |

Lab Sample ID: 680-230804-E-2-C MSD
Matrix: Water
Analysis Batch: 764596

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 764270

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec | Limits | RPD | Limit |
|------------|---------|-----------|--------|--------|-----------|------|---|------|------|----------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | | | | |
| Antimony | 0.0037 | | 0.0500 | 0.0582 | | mg/L | | 109 | | 75 - 125 | 8 | 20 |
| Arsenic | 0.083 | | 0.100 | 0.194 | | mg/L | | 111 | | 75 - 125 | 7 | 20 |
| Barium | 0.075 | | 0.100 | 0.177 | | mg/L | | 102 | | 75 - 125 | 5 | 20 |
| Beryllium | 0.00022 | J | 0.0500 | 0.0510 | | mg/L | | 102 | | 75 - 125 | 3 | 20 |
| Cadmium | 0.00025 | J | 0.0500 | 0.0525 | | mg/L | | 104 | | 75 - 125 | 6 | 20 |
| Chromium | 0.0039 | | 0.100 | 0.104 | | mg/L | | 101 | | 75 - 125 | 5 | 20 |
| Cobalt | 0.00052 | J | 0.0500 | 0.0553 | | mg/L | | 110 | | 75 - 125 | 6 | 20 |
| Iron | 0.34 | | 5.00 | 5.81 | | mg/L | | 110 | | 75 - 125 | 4 | 20 |
| Lead | 0.0018 | | 0.505 | 0.546 | | mg/L | | 108 | | 75 - 125 | 7 | 20 |
| Lithium | 0.18 | | 0.500 | 0.702 | | mg/L | | 105 | | 75 - 125 | 3 | 20 |
| Magnesium | 11 | | 5.01 | 16.3 | | mg/L | | 101 | | 75 - 125 | 5 | 20 |
| Manganese | 0.012 | | 0.400 | 0.452 | | mg/L | | 110 | | 75 - 125 | 6 | 20 |
| Molybdenum | 0.47 | | 0.100 | 0.577 | 4 | mg/L | | 105 | | 75 - 125 | 6 | 20 |
| Potassium | 33 | | 6.97 | 40.3 | 4 | mg/L | | 98 | | 75 - 125 | 4 | 20 |
| Selenium | 0.0013 | J | 0.100 | 0.116 | | mg/L | | 115 | | 75 - 125 | 8 | 20 |
| Sodium | 28 | | 5.05 | 33.1 | 4 | mg/L | | 103 | | 75 - 125 | 4 | 20 |
| Thallium | 0.00097 | J | 0.0500 | 0.0543 | | mg/L | | 107 | | 75 - 125 | 7 | 20 |

Lab Sample ID: 680-230804-E-2-C MSD ^100
Matrix: Water
Analysis Batch: 764981

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 764270

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec | Limits | RPD | Limit |
|---------|--------|-----------|-------|--------|-----------|------|---|-------|------|----------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | | | | |
| Boron | 49 | B | 0.200 | 47.3 | 4 | mg/L | | -711 | | 75 - 125 | 1 | 20 |
| Calcium | 1300 | | 5.00 | 1220 | 4 | mg/L | | -1072 | | 75 - 125 | 0 | 20 |

Lab Sample ID: MB 680-764281/1-A
Matrix: Water
Analysis Batch: 764596

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 764281

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil | Fac |
|-----------|-----------|-----------|--------|----------|------|---|----------------|----------------|-----|-----|
| | Result | Qualifier | | | | | | | | |
| Antimony | <0.00034 | | 0.0020 | 0.00034 | mg/L | | 02/21/23 10:20 | 02/22/23 19:52 | | 1 |
| Arsenic | <0.00086 | | 0.0010 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 19:52 | | 1 |
| Barium | <0.00089 | | 0.010 | 0.00089 | mg/L | | 02/21/23 10:20 | 02/22/23 19:52 | | 1 |
| Beryllium | <0.00020 | | 0.0025 | 0.00020 | mg/L | | 02/21/23 10:20 | 02/22/23 19:52 | | 1 |
| Cadmium | <0.000078 | | 0.0025 | 0.000078 | mg/L | | 02/21/23 10:20 | 02/22/23 19:52 | | 1 |
| Calcium | <0.14 | | 0.50 | 0.14 | mg/L | | 02/21/23 10:20 | 02/22/23 19:52 | | 1 |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 02/21/23 10:20 | 02/22/23 19:52 | | 1 |
| Cobalt | <0.00022 | | 0.0025 | 0.00022 | mg/L | | 02/21/23 10:20 | 02/22/23 19:52 | | 1 |
| Lead | <0.00021 | | 0.0010 | 0.00021 | mg/L | | 02/21/23 10:20 | 02/22/23 19:52 | | 1 |
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 02/21/23 10:20 | 02/22/23 19:52 | | 1 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

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

Lab Sample ID: MB 680-764281/1-A
Matrix: Water
Analysis Batch: 764596

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 764281

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Magnesium | <0.023 | | 0.50 | 0.023 | mg/L | | 02/21/23 10:20 | 02/22/23 19:52 | 1 |
| Manganese | <0.0022 | | 0.0050 | 0.0022 | mg/L | | 02/21/23 10:20 | 02/22/23 19:52 | 1 |
| Molybdenum | <0.00086 | | 0.015 | 0.00086 | mg/L | | 02/21/23 10:20 | 02/22/23 19:52 | 1 |
| Potassium | <0.044 | | 0.50 | 0.044 | mg/L | | 02/21/23 10:20 | 02/22/23 19:52 | 1 |
| Selenium | <0.00099 | | 0.0050 | 0.00099 | mg/L | | 02/21/23 10:20 | 02/22/23 19:52 | 1 |
| Sodium | <0.20 | | 0.50 | 0.20 | mg/L | | 02/21/23 10:20 | 02/22/23 19:52 | 1 |
| Thallium | <0.00026 | | 0.0010 | 0.00026 | mg/L | | 02/21/23 10:20 | 02/22/23 19:52 | 1 |

Lab Sample ID: MB 680-764281/1-A
Matrix: Water
Analysis Batch: 764800

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 764281

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-------|-------|------|---|----------------|----------------|---------|
| Boron | <0.022 | | 0.080 | 0.022 | mg/L | | 02/21/23 10:20 | 02/23/23 16:05 | 1 |
| Iron | <0.012 | | 0.050 | 0.012 | mg/L | | 02/21/23 10:20 | 02/23/23 16:05 | 1 |

Lab Sample ID: LCS 680-764281/2-A
Matrix: Water
Analysis Batch: 764596

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 764281

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------|-------------|------------|---------------|------|---|------|-------------|
| Antimony | 0.0500 | 0.0493 | | mg/L | | 99 | 80 - 120 |
| Arsenic | 0.100 | 0.104 | | mg/L | | 104 | 80 - 120 |
| Barium | 0.100 | 0.0981 | | mg/L | | 98 | 80 - 120 |
| Beryllium | 0.0500 | 0.0495 | | mg/L | | 99 | 80 - 120 |
| Cadmium | 0.0500 | 0.0482 | | mg/L | | 96 | 80 - 120 |
| Calcium | 5.00 | 5.01 | | mg/L | | 100 | 80 - 120 |
| Chromium | 0.100 | 0.0957 | | mg/L | | 96 | 80 - 120 |
| Cobalt | 0.0500 | 0.0519 | | mg/L | | 104 | 80 - 120 |
| Lead | 0.505 | 0.496 | | mg/L | | 98 | 80 - 120 |
| Lithium | 0.500 | 0.498 | | mg/L | | 100 | 80 - 120 |
| Magnesium | 5.01 | 4.95 | | mg/L | | 99 | 80 - 120 |
| Manganese | 0.400 | 0.417 | | mg/L | | 104 | 80 - 120 |
| Molybdenum | 0.100 | 0.104 | | mg/L | | 104 | 80 - 120 |
| Potassium | 6.97 | 7.04 | | mg/L | | 101 | 80 - 120 |
| Selenium | 0.100 | 0.107 | | mg/L | | 107 | 80 - 120 |
| Sodium | 5.05 | 5.35 | | mg/L | | 106 | 80 - 120 |
| Thallium | 0.0500 | 0.0479 | | mg/L | | 96 | 80 - 120 |

Lab Sample ID: LCS 680-764281/2-A
Matrix: Water
Analysis Batch: 764800

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 764281

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Boron | 0.200 | 0.225 | | mg/L | | 112 | 80 - 120 |
| Iron | 5.00 | 5.14 | | mg/L | | 103 | 80 - 120 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

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

Lab Sample ID: 680-230805-12 MS
Matrix: Water
Analysis Batch: 764596

Client Sample ID: WAN-WGWC-27
Prep Type: Total Recoverable
Prep Batch: 764281

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | %Rec | |
|------------|----------|-----------|--------|--------|-----------|------|---|------|----------|--------|
| | Result | Qualifier | Added | Result | Qualifier | | | | Limits | Limits |
| Antimony | 0.00047 | J | 0.0500 | 0.0509 | | mg/L | | 101 | 75 - 125 | |
| Arsenic | <0.00086 | | 0.100 | 0.102 | | mg/L | | 102 | 75 - 125 | |
| Barium | 0.0049 | J | 0.100 | 0.104 | | mg/L | | 99 | 75 - 125 | |
| Beryllium | 0.00046 | J | 0.0500 | 0.0495 | | mg/L | | 98 | 75 - 125 | |
| Cadmium | 0.000080 | J | 0.0500 | 0.0506 | | mg/L | | 101 | 75 - 125 | |
| Calcium | 19 | F1 | 5.00 | 22.5 | F1 | mg/L | | 66 | 75 - 125 | |
| Chromium | <0.0012 | | 0.100 | 0.0946 | | mg/L | | 95 | 75 - 125 | |
| Cobalt | 0.0013 | J | 0.0500 | 0.0543 | | mg/L | | 106 | 75 - 125 | |
| Lead | <0.00021 | | 0.505 | 0.502 | | mg/L | | 99 | 75 - 125 | |
| Lithium | 0.024 | | 0.500 | 0.502 | | mg/L | | 95 | 75 - 125 | |
| Magnesium | 3.2 | | 5.01 | 7.94 | | mg/L | | 95 | 75 - 125 | |
| Manganese | 0.43 | | 0.400 | 0.829 | | mg/L | | 100 | 75 - 125 | |
| Molybdenum | <0.00086 | | 0.100 | 0.104 | | mg/L | | 104 | 75 - 125 | |
| Potassium | 2.0 | | 6.97 | 8.85 | | mg/L | | 99 | 75 - 125 | |
| Selenium | <0.00099 | | 0.100 | 0.104 | | mg/L | | 104 | 75 - 125 | |
| Sodium | 15 | F1 | 5.05 | 18.4 | F1 | mg/L | | 72 | 75 - 125 | |
| Thallium | <0.00026 | | 0.0500 | 0.0480 | | mg/L | | 96 | 75 - 125 | |

Lab Sample ID: 680-230805-12 MS
Matrix: Water
Analysis Batch: 764800

Client Sample ID: WAN-WGWC-27
Prep Type: Total Recoverable
Prep Batch: 764281

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | %Rec | |
|---------|--------|-----------|-------|--------|-----------|------|---|------|----------|--------|
| | Result | Qualifier | Added | Result | Qualifier | | | | Limits | Limits |
| Boron | 0.22 | | 0.200 | 0.407 | | mg/L | | 93 | 75 - 125 | |
| Iron | 0.42 | F1 F2 | 5.00 | 7.05 | F1 | mg/L | | 133 | 75 - 125 | |

Lab Sample ID: 680-230805-12 MSD
Matrix: Water
Analysis Batch: 764596

Client Sample ID: WAN-WGWC-27
Prep Type: Total Recoverable
Prep Batch: 764281

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec | | RPD | |
|------------|----------|-----------|--------|--------|-----------|------|---|------|----------|-----|-------|--|
| | Result | Qualifier | Added | Result | Qualifier | | | | Limits | RPD | Limit | |
| Antimony | 0.00047 | J | 0.0500 | 0.0531 | | mg/L | | 105 | 75 - 125 | 4 | 20 | |
| Arsenic | <0.00086 | | 0.100 | 0.108 | | mg/L | | 108 | 75 - 125 | 6 | 20 | |
| Barium | 0.0049 | J | 0.100 | 0.108 | | mg/L | | 103 | 75 - 125 | 4 | 20 | |
| Beryllium | 0.00046 | J | 0.0500 | 0.0532 | | mg/L | | 106 | 75 - 125 | 7 | 20 | |
| Cadmium | 0.000080 | J | 0.0500 | 0.0511 | | mg/L | | 102 | 75 - 125 | 1 | 20 | |
| Calcium | 19 | F1 | 5.00 | 24.2 | | mg/L | | 100 | 75 - 125 | 7 | 20 | |
| Chromium | <0.0012 | | 0.100 | 0.0978 | | mg/L | | 98 | 75 - 125 | 3 | 20 | |
| Cobalt | 0.0013 | J | 0.0500 | 0.0564 | | mg/L | | 110 | 75 - 125 | 4 | 20 | |
| Lead | <0.00021 | | 0.505 | 0.529 | | mg/L | | 105 | 75 - 125 | 5 | 20 | |
| Lithium | 0.024 | | 0.500 | 0.537 | | mg/L | | 102 | 75 - 125 | 7 | 20 | |
| Magnesium | 3.2 | | 5.01 | 8.41 | | mg/L | | 105 | 75 - 125 | 6 | 20 | |
| Manganese | 0.43 | | 0.400 | 0.876 | | mg/L | | 112 | 75 - 125 | 6 | 20 | |
| Molybdenum | <0.00086 | | 0.100 | 0.111 | | mg/L | | 111 | 75 - 125 | 6 | 20 | |
| Potassium | 2.0 | | 6.97 | 9.35 | | mg/L | | 106 | 75 - 125 | 6 | 20 | |
| Selenium | <0.00099 | | 0.100 | 0.111 | | mg/L | | 111 | 75 - 125 | 7 | 20 | |
| Sodium | 15 | F1 | 5.05 | 19.9 | | mg/L | | 102 | 75 - 125 | 8 | 20 | |
| Thallium | <0.00026 | | 0.0500 | 0.0504 | | mg/L | | 101 | 75 - 125 | 5 | 20 | |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

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

Lab Sample ID: 680-230805-12 MSD
Matrix: Water
Analysis Batch: 764800

Client Sample ID: WAN-WGWC-27
Prep Type: Total Recoverable
Prep Batch: 764281

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec | RPD | Limit |
|---------|--------|-----------|-------|--------|-----------|------|---|------|----------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | Limits | | |
| Boron | 0.22 | | 0.200 | 0.416 | | mg/L | | 98 | 75 - 125 | 2 | 20 |
| Iron | 0.42 | F1 F2 | 5.00 | 5.69 | F2 | mg/L | | 105 | 75 - 125 | 21 | 20 |

Lab Sample ID: MB 680-768711/1-A
Matrix: Water
Analysis Batch: 768945

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 768711

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil | Fac |
|----------|---------|-----------|--------|--------|------|---|----------------|----------------|-----|-----|
| | Result | Qualifier | | | | | | | | |
| Chromium | <0.0012 | | 0.0020 | 0.0012 | mg/L | | 03/21/23 05:25 | 03/21/23 23:54 | | 1 |

Lab Sample ID: LCS 680-768711/2-A
Matrix: Water
Analysis Batch: 768945

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 768711

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec | %Rec |
|----------|-------------|--------|-----------|------|---|------|----------|
| | | Result | Qualifier | | | | Limits |
| Chromium | 0.100 | 0.105 | | mg/L | | 105 | 80 - 120 |

Lab Sample ID: 680-232198-B-5-E MS
Matrix: Water
Analysis Batch: 768945

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 768711

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | %Rec |
|----------|---------|-----------|-------|--------|-----------|------|---|------|----------|
| | Result | Qualifier | Added | Result | Qualifier | | | | Limits |
| Chromium | <0.0012 | | 0.100 | 0.104 | | mg/L | | 104 | 75 - 125 |

Lab Sample ID: 680-232198-B-5-F MSD
Matrix: Water
Analysis Batch: 768945

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 768711

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec | RPD | Limit |
|----------|---------|-----------|-------|--------|-----------|------|---|------|----------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | Limits | | |
| Chromium | <0.0012 | | 0.100 | 0.100 | | mg/L | | 100 | 75 - 125 | 4 | 20 |

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-764334/1-A
Matrix: Water
Analysis Batch: 764581

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 764334

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil | Fac |
|---------|-----------|-----------|---------|----------|------|---|----------------|----------------|-----|-----|
| | Result | Qualifier | | | | | | | | |
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:51 | 02/22/23 15:14 | | 1 |

Lab Sample ID: LCS 680-764334/2-A
Matrix: Water
Analysis Batch: 764581

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 764334

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec | %Rec |
|---------|-------------|---------|-----------|------|---|------|----------|
| | | Result | Qualifier | | | | Limits |
| Mercury | 0.00250 | 0.00246 | | mg/L | | 98 | 80 - 120 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

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

Lab Sample ID: 680-230729-B-3-B MS
Matrix: Water
Analysis Batch: 764581

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 764334

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Mercury | <0.000080 | | 0.00100 | 0.000957 | | mg/L | | 96 | 80 - 120 |

Lab Sample ID: 680-230729-B-3-C MSD
Matrix: Water
Analysis Batch: 764581

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 764334

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Mercury | <0.000080 | | 0.00100 | 0.000992 | | mg/L | | 99 | 80 - 120 | 4 | 20 |

Lab Sample ID: MB 680-764336/1-A
Matrix: Water
Analysis Batch: 764581

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 764336

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | <0.000080 | | 0.00020 | 0.000080 | mg/L | | 02/21/23 13:57 | 02/22/23 11:54 | 1 |

Lab Sample ID: LCS 680-764336/2-A
Matrix: Water
Analysis Batch: 764581

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 764336

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Mercury | 0.00250 | 0.00266 | | mg/L | | 107 | 80 - 120 |

Lab Sample ID: 680-230805-12 MS
Matrix: Water
Analysis Batch: 764581

Client Sample ID: WAN-WGWC-27
Prep Type: Total/NA
Prep Batch: 764336

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Mercury | <0.000080 | | 0.00100 | 0.000984 | | mg/L | | 98 | 80 - 120 |

Lab Sample ID: 680-230805-12 MSD
Matrix: Water
Analysis Batch: 764581

Client Sample ID: WAN-WGWC-27
Prep Type: Total/NA
Prep Batch: 764336

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Mercury | <0.000080 | | 0.00100 | 0.000998 | | mg/L | | 100 | 80 - 120 | 1 | 20 |

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-764663/4
Matrix: Water
Analysis Batch: 764663

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 15:05 | 1 |
| Bicarbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 15:05 | 1 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 15:05 | 1 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: LCS 680-764663/6
Matrix: Water
Analysis Batch: 764663

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------|-------------|------------|---------------|------|---|------|-------------|
| Total Alkalinity as CaCO3 | 250 | 251 | | mg/L | | 101 | 90 - 112 |

Lab Sample ID: LCSD 680-764663/31
Matrix: Water
Analysis Batch: 764663

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Total Alkalinity as CaCO3 | 250 | 255 | | mg/L | | 102 | 90 - 112 | 1 | 30 |

Lab Sample ID: 680-230805-1 DU
Matrix: Water
Analysis Batch: 764663

Client Sample ID: WAN-WGWC-8
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------------------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Alkalinity as CaCO3 | 9.7 | | 6.88 | F5 | mg/L | | 34 | 30 |
| Bicarbonate Alkalinity as CaCO3 | 9.7 | | 6.88 | F5 | mg/L | | 34 | 30 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | <5.0 | | mg/L | | NC | 30 |

Lab Sample ID: MB 680-764666/4
Matrix: Water
Analysis Batch: 764666

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Total Alkalinity as CaCO3 | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 20:28 | 1 |
| Bicarbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 20:28 | 1 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 5.0 | mg/L | | | 02/22/23 20:28 | 1 |

Lab Sample ID: LCS 680-764666/6
Matrix: Water
Analysis Batch: 764666

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------|-------------|------------|---------------|------|---|------|-------------|
| Total Alkalinity as CaCO3 | 250 | 251 | | mg/L | | 100 | 90 - 112 |

Lab Sample ID: LCSD 680-764666/31
Matrix: Water
Analysis Batch: 764666

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Total Alkalinity as CaCO3 | 250 | 254 | | mg/L | | 102 | 90 - 112 | 1 | 30 |

Lab Sample ID: 680-230805-14 DU
Matrix: Water
Analysis Batch: 764666

Client Sample ID: WAN-AP1-FD-03
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------------------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Alkalinity as CaCO3 | 10 | | 7.34 | | mg/L | | 30 | 30 |
| Bicarbonate Alkalinity as CaCO3 | 10 | | 7.34 | | mg/L | | 30 | 30 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | <5.0 | | mg/L | | NC | 30 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-764476/1
Matrix: Water
Analysis Batch: 764476

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|----|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | <10 | | 10 | 10 | mg/L | | | 02/22/23 12:05 | 1 |

Lab Sample ID: LCS 680-764476/2
Matrix: Water
Analysis Batch: 764476

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------------|-------------|------------|---------------|------|---|------|-------------|
| Total Dissolved Solids | 2340 | 2420 | | mg/L | | 103 | 80 - 120 |

Lab Sample ID: LCSD 680-764476/3
Matrix: Water
Analysis Batch: 764476

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Total Dissolved Solids | 2340 | 2400 | | mg/L | | 102 | 80 - 120 | 1 | 25 |

Lab Sample ID: 680-230805-11 DU
Matrix: Water
Analysis Batch: 764476

Client Sample ID: WAN-WGWC-26D
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|------------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Dissolved Solids | 1100 | | 1040 | | mg/L | | 2 | 5 |

Lab Sample ID: MB 680-764716/1
Matrix: Water
Analysis Batch: 764716

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|----|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | <10 | | 10 | 10 | mg/L | | | 02/23/23 13:26 | 1 |

Lab Sample ID: LCS 680-764716/2
Matrix: Water
Analysis Batch: 764716

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------------|-------------|------------|---------------|------|---|------|-------------|
| Total Dissolved Solids | 2340 | 2410 | | mg/L | | 103 | 80 - 120 |

Lab Sample ID: LCSD 680-764716/3
Matrix: Water
Analysis Batch: 764716

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Total Dissolved Solids | 2340 | 2360 | | mg/L | | 101 | 80 - 120 | 2 | 25 |

Lab Sample ID: 680-230845-F-1 DU
Matrix: Water
Analysis Batch: 764716

Client Sample ID: Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|------------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Dissolved Solids | 410 | | 396 | | mg/L | | 3 | 5 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: MB 680-764636/1
Matrix: Water
Analysis Batch: 764636

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Sulfide | <1.0 | | 1.0 | 1.0 | mg/L | | | 02/23/23 09:48 | 1 |

Lab Sample ID: LCS 680-764636/2
Matrix: Water
Analysis Batch: 764636

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Sulfide | 10.0 | 9.93 | | mg/L | | 99 | 75 - 125 |

Lab Sample ID: LCSD 680-764636/3
Matrix: Water
Analysis Batch: 764636

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Sulfide | 10.0 | 9.96 | | mg/L | | 100 | 75 - 125 | 0 | 30 |

Lab Sample ID: 680-230781-N-1 MS
Matrix: Water
Analysis Batch: 764636

Client Sample ID: Matrix Spike
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Sulfide | <0.81 | | 6.50 | 7.13 | | mg/L | | 110 | 75 - 125 |

Lab Sample ID: 680-230781-N-1 MSD
Matrix: Water
Analysis Batch: 764636

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Sulfide | <0.81 | | 6.50 | 7.13 | | mg/L | | 110 | 75 - 125 | 0 | 30 |

Lab Sample ID: 680-230775-J-11 DU
Matrix: Water
Analysis Batch: 764636

Client Sample ID: Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Sulfide | 0.94 | | 1.20 | | mg/L | | 25 | 30 |

Lab Sample ID: MB 680-764693/1
Matrix: Water
Analysis Batch: 764693

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Sulfide | <1.0 | | 1.0 | 1.0 | mg/L | | | 02/23/23 12:01 | 1 |

Lab Sample ID: LCS 680-764693/2
Matrix: Water
Analysis Batch: 764693

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Sulfide | 10.0 | 9.61 | | mg/L | | 96 | 75 - 125 |

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QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: LCSD 680-764693/3
Matrix: Water
Analysis Batch: 764693

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Sulfide | 10.0 | 9.70 | | mg/L | | 97 | 75 - 125 | 1 | 30 |

Lab Sample ID: 680-230805-8 MS
Matrix: Water
Analysis Batch: 764693

Client Sample ID: WAN-WGWC-19
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|-----|-----------|
| Sulfide | <0.83 | | 6.50 | 7.38 | | mg/L | | 114 | 75 - 125 | | |

Lab Sample ID: 680-230805-8 MSD
Matrix: Water
Analysis Batch: 764693

Client Sample ID: WAN-WGWC-19
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Sulfide | <0.83 | | 6.50 | 7.38 | | mg/L | | 114 | 75 - 125 | 0 | 30 |

Lab Sample ID: 680-230805-5 DU
Matrix: Water
Analysis Batch: 764693

Client Sample ID: WAN-WGWC-13
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Sulfide | <0.81 | | <0.81 | | mg/L | | NC | 30 |

QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

HPLC/IC

Analysis Batch: 764879

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-----------------|------------|
| 680-230805-2 | WAN-WGWC-10 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-3 | WAN-WGWC-11 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-4 | WAN-WGWC-12 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-5 | WAN-WGWC-13 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-6 | WAN-WGWC-14A | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-7 | WAN-WGWC-17 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-8 | WAN-WGWC-19 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-9 | WAN-WGWC-20 | Total/NA | Water | 300.0-1993 R2.1 | |
| MB 680-764879/63 | Method Blank | Total/NA | Water | 300.0-1993 R2.1 | |
| LCS 680-764879/64 | Lab Control Sample | Total/NA | Water | 300.0-1993 R2.1 | |
| LCSD 680-764879/65 | Lab Control Sample Dup | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-2 MS | WAN-WGWC-10 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-2 MSD | WAN-WGWC-10 | Total/NA | Water | 300.0-1993 R2.1 | |

Analysis Batch: 765703

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-----------------|------------|
| 680-230805-1 | WAN-WGWC-8 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-10 | WAN-WGWC-21 | Total/NA | Water | 300.0-1993 R2.1 | |
| MB 680-765703/2 | Method Blank | Total/NA | Water | 300.0-1993 R2.1 | |
| LCS 680-765703/4 | Lab Control Sample | Total/NA | Water | 300.0-1993 R2.1 | |
| LCSD 680-765703/5 | Lab Control Sample Dup | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230724-D-1 MS | Matrix Spike | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230724-D-1 MSD | Matrix Spike Duplicate | Total/NA | Water | 300.0-1993 R2.1 | |

Analysis Batch: 765704

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-----------------|------------|
| 680-230805-11 | WAN-WGWC-26D | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-12 | WAN-WGWC-27 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-13 | WAN-AP1-FD-02 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-14 | WAN-AP1-FD-03 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-15 | WAN-AP1-FB-08 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-16 | WAN-AP1-FB-09 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-17 | WAN-AP1-EB-02 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-18 | WAN-AP1-EB-03 | Total/NA | Water | 300.0-1993 R2.1 | |
| MB 680-765704/33 | Method Blank | Total/NA | Water | 300.0-1993 R2.1 | |
| LCS 680-765704/34 | Lab Control Sample | Total/NA | Water | 300.0-1993 R2.1 | |
| LCSD 680-765704/35 | Lab Control Sample Dup | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-12 MS | WAN-WGWC-27 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-12 MSD | WAN-WGWC-27 | Total/NA | Water | 300.0-1993 R2.1 | |

Analysis Batch: 765879

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-----------------|------------|
| 680-230805-1 - DL | WAN-WGWC-8 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-10 - DL | WAN-WGWC-21 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-13 - DL | WAN-AP1-FD-02 | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230805-14 - DL | WAN-AP1-FD-03 | Total/NA | Water | 300.0-1993 R2.1 | |
| MB 680-765879/2 | Method Blank | Total/NA | Water | 300.0-1993 R2.1 | |
| LCS 680-765879/4 | Lab Control Sample | Total/NA | Water | 300.0-1993 R2.1 | |
| LCSD 680-765879/5 | Lab Control Sample Dup | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230854-J-1 MS | Matrix Spike | Total/NA | Water | 300.0-1993 R2.1 | |
| 680-230854-J-1 MSD | Matrix Spike Duplicate | Total/NA | Water | 300.0-1993 R2.1 | |

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QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Metals

Prep Batch: 764270

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------------|------------------------|-------------------|--------|--------|------------|
| 680-230805-6 | WAN-WGWC-14A | Total Recoverable | Water | 3005A | |
| 680-230805-9 | WAN-WGWC-20 | Total Recoverable | Water | 3005A | |
| 680-230805-10 | WAN-WGWC-21 | Total Recoverable | Water | 3005A | |
| 680-230805-11 | WAN-WGWC-26D | Total Recoverable | Water | 3005A | |
| 680-230805-16 | WAN-AP1-FB-09 | Total Recoverable | Water | 3005A | |
| 680-230805-17 | WAN-AP1-EB-02 | Total Recoverable | Water | 3005A | |
| 680-230805-18 | WAN-AP1-EB-03 | Total Recoverable | Water | 3005A | |
| MB 680-764270/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 680-764270/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| 680-230804-E-2-B MS | Matrix Spike | Total Recoverable | Water | 3005A | |
| 680-230804-E-2-B MS ^100 | Matrix Spike | Total Recoverable | Water | 3005A | |
| 680-230804-E-2-C MSD | Matrix Spike Duplicate | Total Recoverable | Water | 3005A | |
| 680-230804-E-2-C MSD ^100 | Matrix Spike Duplicate | Total Recoverable | Water | 3005A | |

Prep Batch: 764281

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-------------------|--------|--------|------------|
| 680-230805-1 | WAN-WGWC-8 | Total Recoverable | Water | 3005A | |
| 680-230805-2 | WAN-WGWC-10 | Total Recoverable | Water | 3005A | |
| 680-230805-3 | WAN-WGWC-11 | Total Recoverable | Water | 3005A | |
| 680-230805-4 | WAN-WGWC-12 | Total Recoverable | Water | 3005A | |
| 680-230805-5 | WAN-WGWC-13 | Total Recoverable | Water | 3005A | |
| 680-230805-7 | WAN-WGWC-17 | Total Recoverable | Water | 3005A | |
| 680-230805-8 | WAN-WGWC-19 | Total Recoverable | Water | 3005A | |
| 680-230805-12 | WAN-WGWC-27 | Total Recoverable | Water | 3005A | |
| 680-230805-13 | WAN-AP1-FD-02 | Total Recoverable | Water | 3005A | |
| 680-230805-14 | WAN-AP1-FD-03 | Total Recoverable | Water | 3005A | |
| 680-230805-15 | WAN-AP1-FB-08 | Total Recoverable | Water | 3005A | |
| MB 680-764281/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 680-764281/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| 680-230805-12 MS | WAN-WGWC-27 | Total Recoverable | Water | 3005A | |
| 680-230805-12 MSD | WAN-WGWC-27 | Total Recoverable | Water | 3005A | |

Prep Batch: 764334

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 680-230805-1 | WAN-WGWC-8 | Total/NA | Water | 7470A | |
| 680-230805-2 | WAN-WGWC-10 | Total/NA | Water | 7470A | |
| 680-230805-3 | WAN-WGWC-11 | Total/NA | Water | 7470A | |
| 680-230805-4 | WAN-WGWC-12 | Total/NA | Water | 7470A | |
| 680-230805-5 | WAN-WGWC-13 | Total/NA | Water | 7470A | |
| 680-230805-6 | WAN-WGWC-14A | Total/NA | Water | 7470A | |
| 680-230805-7 | WAN-WGWC-17 | Total/NA | Water | 7470A | |
| 680-230805-8 | WAN-WGWC-19 | Total/NA | Water | 7470A | |
| 680-230805-9 | WAN-WGWC-20 | Total/NA | Water | 7470A | |
| 680-230805-10 | WAN-WGWC-21 | Total/NA | Water | 7470A | |
| 680-230805-11 | WAN-WGWC-26D | Total/NA | Water | 7470A | |
| 680-230805-13 | WAN-AP1-FD-02 | Total/NA | Water | 7470A | |
| 680-230805-14 | WAN-AP1-FD-03 | Total/NA | Water | 7470A | |
| 680-230805-15 | WAN-AP1-FB-08 | Total/NA | Water | 7470A | |
| 680-230805-16 | WAN-AP1-FB-09 | Total/NA | Water | 7470A | |
| 680-230805-17 | WAN-AP1-EB-02 | Total/NA | Water | 7470A | |
| 680-230805-18 | WAN-AP1-EB-03 | Total/NA | Water | 7470A | |

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QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Metals (Continued)

Prep Batch: 764334 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| MB 680-764334/1-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 680-764334/2-A | Lab Control Sample | Total/NA | Water | 7470A | |
| 680-230729-B-3-B MS | Matrix Spike | Total/NA | Water | 7470A | |
| 680-230729-B-3-C MSD | Matrix Spike Duplicate | Total/NA | Water | 7470A | |

Prep Batch: 764336

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-230805-12 | WAN-WGWC-27 | Total/NA | Water | 7470A | |
| MB 680-764336/1-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 680-764336/2-A | Lab Control Sample | Total/NA | Water | 7470A | |
| 680-230805-12 MS | WAN-WGWC-27 | Total/NA | Water | 7470A | |
| 680-230805-12 MSD | WAN-WGWC-27 | Total/NA | Water | 7470A | |

Analysis Batch: 764581

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 680-230805-1 | WAN-WGWC-8 | Total/NA | Water | 7470A | 764334 |
| 680-230805-2 | WAN-WGWC-10 | Total/NA | Water | 7470A | 764334 |
| 680-230805-3 | WAN-WGWC-11 | Total/NA | Water | 7470A | 764334 |
| 680-230805-4 | WAN-WGWC-12 | Total/NA | Water | 7470A | 764334 |
| 680-230805-5 | WAN-WGWC-13 | Total/NA | Water | 7470A | 764334 |
| 680-230805-6 | WAN-WGWC-14A | Total/NA | Water | 7470A | 764334 |
| 680-230805-7 | WAN-WGWC-17 | Total/NA | Water | 7470A | 764334 |
| 680-230805-8 | WAN-WGWC-19 | Total/NA | Water | 7470A | 764334 |
| 680-230805-9 | WAN-WGWC-20 | Total/NA | Water | 7470A | 764334 |
| 680-230805-10 | WAN-WGWC-21 | Total/NA | Water | 7470A | 764334 |
| 680-230805-11 | WAN-WGWC-26D | Total/NA | Water | 7470A | 764334 |
| 680-230805-12 | WAN-WGWC-27 | Total/NA | Water | 7470A | 764336 |
| 680-230805-13 | WAN-AP1-FD-02 | Total/NA | Water | 7470A | 764334 |
| 680-230805-14 | WAN-AP1-FD-03 | Total/NA | Water | 7470A | 764334 |
| 680-230805-15 | WAN-AP1-FB-08 | Total/NA | Water | 7470A | 764334 |
| 680-230805-16 | WAN-AP1-FB-09 | Total/NA | Water | 7470A | 764334 |
| 680-230805-17 | WAN-AP1-EB-02 | Total/NA | Water | 7470A | 764334 |
| 680-230805-18 | WAN-AP1-EB-03 | Total/NA | Water | 7470A | 764334 |
| MB 680-764334/1-A | Method Blank | Total/NA | Water | 7470A | 764334 |
| MB 680-764336/1-A | Method Blank | Total/NA | Water | 7470A | 764336 |
| LCS 680-764334/2-A | Lab Control Sample | Total/NA | Water | 7470A | 764334 |
| LCS 680-764336/2-A | Lab Control Sample | Total/NA | Water | 7470A | 764336 |
| 680-230729-B-3-B MS | Matrix Spike | Total/NA | Water | 7470A | 764334 |
| 680-230729-B-3-C MSD | Matrix Spike Duplicate | Total/NA | Water | 7470A | 764334 |
| 680-230805-12 MS | WAN-WGWC-27 | Total/NA | Water | 7470A | 764336 |
| 680-230805-12 MSD | WAN-WGWC-27 | Total/NA | Water | 7470A | 764336 |

Analysis Batch: 764596

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-------------------|--------|--------|------------|
| 680-230805-1 | WAN-WGWC-8 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-2 | WAN-WGWC-10 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-3 | WAN-WGWC-11 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-4 | WAN-WGWC-12 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-5 | WAN-WGWC-13 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-6 | WAN-WGWC-14A | Total Recoverable | Water | 6020B | 764270 |
| 680-230805-7 | WAN-WGWC-17 | Total Recoverable | Water | 6020B | 764281 |

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QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Metals (Continued)

Analysis Batch: 764596 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-------------------|--------|--------|------------|
| 680-230805-8 | WAN-WGWC-19 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-9 | WAN-WGWC-20 | Total Recoverable | Water | 6020B | 764270 |
| 680-230805-10 | WAN-WGWC-21 | Total Recoverable | Water | 6020B | 764270 |
| 680-230805-11 | WAN-WGWC-26D | Total Recoverable | Water | 6020B | 764270 |
| 680-230805-12 | WAN-WGWC-27 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-13 | WAN-AP1-FD-02 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-14 | WAN-AP1-FD-03 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-15 | WAN-AP1-FB-08 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-16 | WAN-AP1-FB-09 | Total Recoverable | Water | 6020B | 764270 |
| 680-230805-17 | WAN-AP1-EB-02 | Total Recoverable | Water | 6020B | 764270 |
| 680-230805-18 | WAN-AP1-EB-03 | Total Recoverable | Water | 6020B | 764270 |
| MB 680-764270/1-A | Method Blank | Total Recoverable | Water | 6020B | 764270 |
| MB 680-764281/1-A | Method Blank | Total Recoverable | Water | 6020B | 764281 |
| LCS 680-764270/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 764270 |
| LCS 680-764281/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 764281 |
| 680-230804-E-2-B MS | Matrix Spike | Total Recoverable | Water | 6020B | 764270 |
| 680-230804-E-2-C MSD | Matrix Spike Duplicate | Total Recoverable | Water | 6020B | 764270 |
| 680-230805-12 MS | WAN-WGWC-27 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-12 MSD | WAN-WGWC-27 | Total Recoverable | Water | 6020B | 764281 |

Analysis Batch: 764800

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-------------------|--------|--------|------------|
| 680-230805-1 | WAN-WGWC-8 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-2 | WAN-WGWC-10 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-3 | WAN-WGWC-11 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-4 | WAN-WGWC-12 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-5 | WAN-WGWC-13 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-7 | WAN-WGWC-17 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-8 | WAN-WGWC-19 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-12 | WAN-WGWC-27 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-13 | WAN-AP1-FD-02 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-14 | WAN-AP1-FD-03 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-15 | WAN-AP1-FB-08 | Total Recoverable | Water | 6020B | 764281 |
| MB 680-764281/1-A | Method Blank | Total Recoverable | Water | 6020B | 764281 |
| LCS 680-764281/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-12 MS | WAN-WGWC-27 | Total Recoverable | Water | 6020B | 764281 |
| 680-230805-12 MSD | WAN-WGWC-27 | Total Recoverable | Water | 6020B | 764281 |

Analysis Batch: 764981

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------------|------------------------|-------------------|--------|--------|------------|
| 680-230805-6 | WAN-WGWC-14A | Total Recoverable | Water | 6020B | 764270 |
| 680-230805-9 | WAN-WGWC-20 | Total Recoverable | Water | 6020B | 764270 |
| 680-230805-10 | WAN-WGWC-21 | Total Recoverable | Water | 6020B | 764270 |
| 680-230805-11 | WAN-WGWC-26D | Total Recoverable | Water | 6020B | 764270 |
| 680-230805-16 | WAN-AP1-FB-09 | Total Recoverable | Water | 6020B | 764270 |
| 680-230805-17 | WAN-AP1-EB-02 | Total Recoverable | Water | 6020B | 764270 |
| 680-230805-18 | WAN-AP1-EB-03 | Total Recoverable | Water | 6020B | 764270 |
| MB 680-764270/1-A | Method Blank | Total Recoverable | Water | 6020B | 764270 |
| LCS 680-764270/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 764270 |
| 680-230804-E-2-B MS ^100 | Matrix Spike | Total Recoverable | Water | 6020B | 764270 |
| 680-230804-E-2-C MSD ^100 | Matrix Spike Duplicate | Total Recoverable | Water | 6020B | 764270 |

Eurofins Savannah

QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Metals

Prep Batch: 768711

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-------------------|--------|--------|------------|
| 680-230805-5 | WAN-WGWC-13 | Total Recoverable | Water | 3005A | |
| MB 680-768711/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 680-768711/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| 680-232198-B-5-E MS | Matrix Spike | Total Recoverable | Water | 3005A | |
| 680-232198-B-5-F MSD | Matrix Spike Duplicate | Total Recoverable | Water | 3005A | |

Analysis Batch: 768945

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-------------------|--------|--------|------------|
| 680-230805-5 | WAN-WGWC-13 | Total Recoverable | Water | 6020B | 768711 |
| MB 680-768711/1-A | Method Blank | Total Recoverable | Water | 6020B | 768711 |
| LCS 680-768711/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 768711 |
| 680-232198-B-5-E MS | Matrix Spike | Total Recoverable | Water | 6020B | 768711 |
| 680-232198-B-5-F MSD | Matrix Spike Duplicate | Total Recoverable | Water | 6020B | 768711 |

General Chemistry

Analysis Batch: 764476

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|------------|------------|
| 680-230805-1 | WAN-WGWC-8 | Total/NA | Water | 2540C-2011 | |
| 680-230805-2 | WAN-WGWC-10 | Total/NA | Water | 2540C-2011 | |
| 680-230805-3 | WAN-WGWC-11 | Total/NA | Water | 2540C-2011 | |
| 680-230805-4 | WAN-WGWC-12 | Total/NA | Water | 2540C-2011 | |
| 680-230805-5 | WAN-WGWC-13 | Total/NA | Water | 2540C-2011 | |
| 680-230805-6 | WAN-WGWC-14A | Total/NA | Water | 2540C-2011 | |
| 680-230805-7 | WAN-WGWC-17 | Total/NA | Water | 2540C-2011 | |
| 680-230805-8 | WAN-WGWC-19 | Total/NA | Water | 2540C-2011 | |
| 680-230805-9 | WAN-WGWC-20 | Total/NA | Water | 2540C-2011 | |
| 680-230805-10 | WAN-WGWC-21 | Total/NA | Water | 2540C-2011 | |
| 680-230805-11 | WAN-WGWC-26D | Total/NA | Water | 2540C-2011 | |
| 680-230805-12 | WAN-WGWC-27 | Total/NA | Water | 2540C-2011 | |
| MB 680-764476/1 | Method Blank | Total/NA | Water | 2540C-2011 | |
| LCS 680-764476/2 | Lab Control Sample | Total/NA | Water | 2540C-2011 | |
| LCSD 680-764476/3 | Lab Control Sample Dup | Total/NA | Water | 2540C-2011 | |
| 680-230805-11 DU | WAN-WGWC-26D | Total/NA | Water | 2540C-2011 | |

Analysis Batch: 764636

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------------|------------|
| 680-230805-17 | WAN-AP1-EB-02 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-18 | WAN-AP1-EB-03 | Total/NA | Water | 4500 S2 F-2011 | |
| MB 680-764636/1 | Method Blank | Total/NA | Water | 4500 S2 F-2011 | |
| LCS 680-764636/2 | Lab Control Sample | Total/NA | Water | 4500 S2 F-2011 | |
| LCSD 680-764636/3 | Lab Control Sample Dup | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230781-N-1 MS | Matrix Spike | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230781-N-1 MSD | Matrix Spike Duplicate | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230775-J-11 DU | Duplicate | Total/NA | Water | 4500 S2 F-2011 | |

Analysis Batch: 764663

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 680-230805-1 | WAN-WGWC-8 | Total/NA | Water | 2320B-2011 | |
| 680-230805-2 | WAN-WGWC-10 | Total/NA | Water | 2320B-2011 | |
| 680-230805-3 | WAN-WGWC-11 | Total/NA | Water | 2320B-2011 | |

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QC Association Summary

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

General Chemistry (Continued)

Analysis Batch: 764663 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|------------|------------|
| 680-230805-4 | WAN-WGWC-12 | Total/NA | Water | 2320B-2011 | |
| 680-230805-5 | WAN-WGWC-13 | Total/NA | Water | 2320B-2011 | |
| 680-230805-6 | WAN-WGWC-14A | Total/NA | Water | 2320B-2011 | |
| 680-230805-7 | WAN-WGWC-17 | Total/NA | Water | 2320B-2011 | |
| 680-230805-8 | WAN-WGWC-19 | Total/NA | Water | 2320B-2011 | |
| 680-230805-10 | WAN-WGWC-21 | Total/NA | Water | 2320B-2011 | |
| 680-230805-11 | WAN-WGWC-26D | Total/NA | Water | 2320B-2011 | |
| MB 680-764663/4 | Method Blank | Total/NA | Water | 2320B-2011 | |
| LCS 680-764663/6 | Lab Control Sample | Total/NA | Water | 2320B-2011 | |
| LCSD 680-764663/31 | Lab Control Sample Dup | Total/NA | Water | 2320B-2011 | |
| 680-230805-1 DU | WAN-WGWC-8 | Total/NA | Water | 2320B-2011 | |

Analysis Batch: 764666

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|------------|------------|
| 680-230805-9 | WAN-WGWC-20 | Total/NA | Water | 2320B-2011 | |
| 680-230805-12 | WAN-WGWC-27 | Total/NA | Water | 2320B-2011 | |
| 680-230805-13 | WAN-AP1-FD-02 | Total/NA | Water | 2320B-2011 | |
| 680-230805-14 | WAN-AP1-FD-03 | Total/NA | Water | 2320B-2011 | |
| 680-230805-15 | WAN-AP1-FB-08 | Total/NA | Water | 2320B-2011 | |
| 680-230805-16 | WAN-AP1-FB-09 | Total/NA | Water | 2320B-2011 | |
| 680-230805-17 | WAN-AP1-EB-02 | Total/NA | Water | 2320B-2011 | |
| 680-230805-18 | WAN-AP1-EB-03 | Total/NA | Water | 2320B-2011 | |
| MB 680-764666/4 | Method Blank | Total/NA | Water | 2320B-2011 | |
| LCS 680-764666/6 | Lab Control Sample | Total/NA | Water | 2320B-2011 | |
| LCSD 680-764666/31 | Lab Control Sample Dup | Total/NA | Water | 2320B-2011 | |
| 680-230805-14 DU | WAN-AP1-FD-03 | Total/NA | Water | 2320B-2011 | |

Analysis Batch: 764693

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|----------------|------------|
| 680-230805-1 | WAN-WGWC-8 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-2 | WAN-WGWC-10 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-3 | WAN-WGWC-11 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-4 | WAN-WGWC-12 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-5 | WAN-WGWC-13 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-6 | WAN-WGWC-14A | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-7 | WAN-WGWC-17 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-8 | WAN-WGWC-19 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-9 | WAN-WGWC-20 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-10 | WAN-WGWC-21 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-11 | WAN-WGWC-26D | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-12 | WAN-WGWC-27 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-13 | WAN-AP1-FD-02 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-14 | WAN-AP1-FD-03 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-15 | WAN-AP1-FB-08 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-16 | WAN-AP1-FB-09 | Total/NA | Water | 4500 S2 F-2011 | |
| MB 680-764693/1 | Method Blank | Total/NA | Water | 4500 S2 F-2011 | |
| LCS 680-764693/2 | Lab Control Sample | Total/NA | Water | 4500 S2 F-2011 | |
| LCSD 680-764693/3 | Lab Control Sample Dup | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-8 MS | WAN-WGWC-19 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-8 MSD | WAN-WGWC-19 | Total/NA | Water | 4500 S2 F-2011 | |
| 680-230805-5 DU | WAN-WGWC-13 | Total/NA | Water | 4500 S2 F-2011 | |

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QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

General Chemistry

Analysis Batch: 764716

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|------------|------------|
| 680-230805-13 | WAN-AP1-FD-02 | Total/NA | Water | 2540C-2011 | |
| 680-230805-14 | WAN-AP1-FD-03 | Total/NA | Water | 2540C-2011 | |
| 680-230805-15 | WAN-AP1-FB-08 | Total/NA | Water | 2540C-2011 | |
| 680-230805-16 | WAN-AP1-FB-09 | Total/NA | Water | 2540C-2011 | |
| 680-230805-17 | WAN-AP1-EB-02 | Total/NA | Water | 2540C-2011 | |
| 680-230805-18 | WAN-AP1-EB-03 | Total/NA | Water | 2540C-2011 | |
| MB 680-764716/1 | Method Blank | Total/NA | Water | 2540C-2011 | |
| LCS 680-764716/2 | Lab Control Sample | Total/NA | Water | 2540C-2011 | |
| LCSD 680-764716/3 | Lab Control Sample Dup | Total/NA | Water | 2540C-2011 | |
| 680-230845-F-1 DU | Duplicate | Total/NA | Water | 2540C-2011 | |

Field Service / Mobile Lab

Analysis Batch: 764382

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------------|------------|
| 680-230805-1 | WAN-WGWC-8 | Total/NA | Water | Field Sampling | |
| 680-230805-2 | WAN-WGWC-10 | Total/NA | Water | Field Sampling | |
| 680-230805-3 | WAN-WGWC-11 | Total/NA | Water | Field Sampling | |
| 680-230805-4 | WAN-WGWC-12 | Total/NA | Water | Field Sampling | |
| 680-230805-5 | WAN-WGWC-13 | Total/NA | Water | Field Sampling | |
| 680-230805-6 | WAN-WGWC-14A | Total/NA | Water | Field Sampling | |
| 680-230805-7 | WAN-WGWC-17 | Total/NA | Water | Field Sampling | |
| 680-230805-8 | WAN-WGWC-19 | Total/NA | Water | Field Sampling | |
| 680-230805-9 | WAN-WGWC-20 | Total/NA | Water | Field Sampling | |
| 680-230805-10 | WAN-WGWC-21 | Total/NA | Water | Field Sampling | |
| 680-230805-11 | WAN-WGWC-26D | Total/NA | Water | Field Sampling | |
| 680-230805-12 | WAN-WGWC-27 | Total/NA | Water | Field Sampling | |

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-8

Lab Sample ID: 680-230805-1

Date Collected: 02/16/23 14:52

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------------|------------|-----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 | | 1 | 5 mL | 5 mL | 765703 | 03/02/23 12:52 | UI | EET SAV |
| Instrument ID: CICK | | | | | | | | | | |
| Total/NA | Analysis | 300.0-1993 R2.1 | DL | 5 | 5 mL | 5 mL | 765879 | 03/03/23 15:23 | UI | EET SAV |
| Instrument ID: CICK | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764596 | 02/22/23 20:41 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 4 | | | 764800 | 02/23/23 16:54 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764334 | 02/21/23 13:51 | BCB | EET SAV |
| Total/NA | Analysis | 7470A | | 1 | | | 764581 | 02/22/23 15:48 | BJB | EET SAV |
| Instrument ID: QuickTrace2 | | | | | | | | | | |
| Total/NA | Analysis | 2320B-2011 | | 1 | | | 764663 | 02/22/23 17:20 | PG | EET SAV |
| Instrument ID: MANTECH 2 | | | | | | | | | | |
| Total/NA | Analysis | 2540C-2011 | | 1 | 50 mL | 200 mL | 764476 | 02/22/23 12:05 | PG | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |
| Total/NA | Analysis | 4500 S2 F-2011 | | 1 | 300 mL | 300 mL | 764693 | 02/23/23 12:01 | JAS | EET SAV |
| Instrument ID: NoEquip | | | | | | | | | | |
| Total/NA | Analysis | Field Sampling | | 1 | | | 764382 | 02/16/23 14:52 | P1C | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWC-10

Lab Sample ID: 680-230805-2

Date Collected: 02/16/23 13:18

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------------|------------|-----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 | | 1 | 5 mL | 5 mL | 764879 | 02/25/23 01:55 | UI | EET SAV |
| Instrument ID: CICK | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764596 | 02/22/23 20:49 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764800 | 02/23/23 17:02 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764334 | 02/21/23 13:51 | BCB | EET SAV |
| Total/NA | Analysis | 7470A | | 1 | | | 764581 | 02/22/23 16:09 | BJB | EET SAV |
| Instrument ID: QuickTrace2 | | | | | | | | | | |
| Total/NA | Analysis | 2320B-2011 | | 1 | | | 764663 | 02/22/23 16:52 | PG | EET SAV |
| Instrument ID: MANTECH 2 | | | | | | | | | | |
| Total/NA | Analysis | 2540C-2011 | | 1 | 200 mL | 200 mL | 764476 | 02/22/23 12:05 | PG | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |
| Total/NA | Analysis | 4500 S2 F-2011 | | 1 | 310 mL | 310 mL | 764693 | 02/23/23 12:01 | JAS | EET SAV |
| Instrument ID: NoEquip | | | | | | | | | | |

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Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-10

Lab Sample ID: 680-230805-2

Date Collected: 02/16/23 13:18

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Field Sampling | | 1 | | | 764382 | 02/16/23 13:18 | P1C | EET SAV |

Client Sample ID: WAN-WGWC-11

Lab Sample ID: 680-230805-3

Date Collected: 02/16/23 11:55

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764879 | 02/25/23 02:35 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764596 | 02/22/23 20:29 | BWR | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764800 | 02/23/23 16:42 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764334 | 02/21/23 13:51 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 15:45 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764663 | 02/22/23 16:44 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 200 mL | 200 mL | 764476 | 02/22/23 12:05 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 300 mL | 300 mL | 764693 | 02/23/23 12:01 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/16/23 11:55 | P1C | EET SAV |

Client Sample ID: WAN-WGWC-12

Lab Sample ID: 680-230805-4

Date Collected: 02/16/23 10:55

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764879 | 02/25/23 02:48 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764596 | 02/22/23 20:53 | BWR | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764800 | 02/23/23 17:06 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764334 | 02/21/23 13:51 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 16:13 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764663 | 02/22/23 17:36 | PG | EET SAV |

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Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-12

Lab Sample ID: 680-230805-4

Date Collected: 02/16/23 10:55

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 2540C-2011 | | 1 | 200 mL | 200 mL | 764476 | 02/22/23 12:05 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 300 mL | 300 mL | 764693 | 02/23/23 12:01 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/16/23 10:55 | P1C | EET SAV |

Client Sample ID: WAN-WGWC-13

Lab Sample ID: 680-230805-5

Date Collected: 02/16/23 15:25

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764879 | 02/25/23 03:02 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764596 | 02/22/23 20:17 | BWR | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764800 | 02/23/23 16:30 | BWR | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 768711 | 03/21/23 05:25 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSD | | 1 | | | 768945 | 03/22/23 00:29 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764334 | 02/21/23 13:51 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 16:20 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764663 | 02/22/23 17:44 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 200 mL | 200 mL | 764476 | 02/22/23 12:05 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 310 mL | 310 mL | 764693 | 02/23/23 12:01 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/16/23 15:25 | P1C | EET SAV |

Client Sample ID: WAN-WGWC-14A

Lab Sample ID: 680-230805-6

Date Collected: 02/16/23 13:30

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764879 | 02/25/23 03:15 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764596 | 02/22/23 19:20 | BWR | EET SAV |

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Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-14A

Lab Sample ID: 680-230805-6

Date Collected: 02/16/23 13:30

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|----------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764981 | 02/24/23 16:53 | BWR | EET SAV |
| | | Instrument ID: ICPMSC | | | | | | | | |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764334 | 02/21/23 13:51 | BCB | EET SAV |
| Total/NA | Analysis | 7470A | | 1 | | | 764581 | 02/22/23 16:16 | BJB | EET SAV |
| | | Instrument ID: QuickTrace2 | | | | | | | | |
| Total/NA | Analysis | 2320B-2011 | | 1 | | | 764663 | 02/22/23 17:52 | PG | EET SAV |
| | | Instrument ID: MANTECH 2 | | | | | | | | |
| Total/NA | Analysis | 2540C-2011 | | 1 | 200 mL | 200 mL | 764476 | 02/22/23 12:05 | PG | EET SAV |
| | | Instrument ID: NOEQUIP | | | | | | | | |
| Total/NA | Analysis | 4500 S2 F-2011 | | 1 | 310 mL | 310 mL | 764693 | 02/23/23 12:01 | JAS | EET SAV |
| | | Instrument ID: NoEquip | | | | | | | | |
| Total/NA | Analysis | Field Sampling | | 1 | | | 764382 | 02/16/23 13:30 | P1C | EET SAV |
| | | Instrument ID: NOEQUIP | | | | | | | | |

Client Sample ID: WAN-WGWC-17

Lab Sample ID: 680-230805-7

Date Collected: 02/16/23 11:02

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|----------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 | | 1 | 5 mL | 5 mL | 764879 | 02/25/23 03:28 | UI | EET SAV |
| | | Instrument ID: CICK | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764596 | 02/22/23 20:25 | BWR | EET SAV |
| | | Instrument ID: ICPMSC | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764800 | 02/23/23 16:38 | BWR | EET SAV |
| | | Instrument ID: ICPMSC | | | | | | | | |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764334 | 02/21/23 13:51 | BCB | EET SAV |
| Total/NA | Analysis | 7470A | | 1 | | | 764581 | 02/22/23 15:59 | BJB | EET SAV |
| | | Instrument ID: QuickTrace2 | | | | | | | | |
| Total/NA | Analysis | 2320B-2011 | | 1 | | | 764663 | 02/22/23 18:00 | PG | EET SAV |
| | | Instrument ID: MANTECH 2 | | | | | | | | |
| Total/NA | Analysis | 2540C-2011 | | 1 | 200 mL | 200 mL | 764476 | 02/22/23 12:05 | PG | EET SAV |
| | | Instrument ID: NOEQUIP | | | | | | | | |
| Total/NA | Analysis | 4500 S2 F-2011 | | 1 | 310 mL | 310 mL | 764693 | 02/23/23 12:01 | JAS | EET SAV |
| | | Instrument ID: NoEquip | | | | | | | | |
| Total/NA | Analysis | Field Sampling | | 1 | | | 764382 | 02/16/23 11:02 | P1C | EET SAV |
| | | Instrument ID: NOEQUIP | | | | | | | | |

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Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-19

Lab Sample ID: 680-230805-8

Date Collected: 02/16/23 13:09

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 764879 | 02/25/23 03:41 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764596 | 02/22/23 20:57 | BWR | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764800 | 02/23/23 17:10 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764334 | 02/21/23 13:51 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 16:33 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764663 | 02/22/23 18:28 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 200 mL | 200 mL | 764476 | 02/22/23 12:05 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 300 mL | 300 mL | 764693 | 02/23/23 12:01 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/16/23 13:09 | P1C | EET SAV |

Client Sample ID: WAN-WGWC-20

Lab Sample ID: 680-230805-9

Date Collected: 02/16/23 10:05

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 5 | 5 mL | 5 mL | 764879 | 02/25/23 03:54 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764596 | 02/22/23 19:28 | BWR | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 10 | | | 764981 | 02/24/23 17:02 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764334 | 02/21/23 13:51 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 16:40 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764666 | 02/22/23 23:20 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 50 mL | 200 mL | 764476 | 02/22/23 12:05 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 290 mL | 290 mL | 764693 | 02/23/23 12:01 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/16/23 10:05 | P1C | EET SAV |

Eurofins Savannah

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-21

Lab Sample ID: 680-230805-10

Date Collected: 02/16/23 16:07

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------------|------------|-----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 | | 1 | 5 mL | 5 mL | 765703 | 03/02/23 13:06 | UI | EET SAV |
| Instrument ID: CICK | | | | | | | | | | |
| Total/NA | Analysis | 300.0-1993 R2.1 | DL | 5 | 5 mL | 5 mL | 765879 | 03/03/23 15:36 | UI | EET SAV |
| Instrument ID: CICK | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764596 | 02/22/23 19:32 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764981 | 02/24/23 17:06 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764334 | 02/21/23 13:51 | BCB | EET SAV |
| Total/NA | Analysis | 7470A | | 1 | | | 764581 | 02/22/23 16:26 | BJB | EET SAV |
| Instrument ID: QuickTrace2 | | | | | | | | | | |
| Total/NA | Analysis | 2320B-2011 | | 1 | | | 764663 | 02/22/23 18:10 | PG | EET SAV |
| Instrument ID: MANTECH 2 | | | | | | | | | | |
| Total/NA | Analysis | 2540C-2011 | | 1 | 50 mL | 200 mL | 764476 | 02/22/23 12:05 | PG | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |
| Total/NA | Analysis | 4500 S2 F-2011 | | 1 | 300 mL | 300 mL | 764693 | 02/23/23 12:01 | JAS | EET SAV |
| Instrument ID: NoEquip | | | | | | | | | | |
| Total/NA | Analysis | Field Sampling | | 1 | | | 764382 | 02/16/23 16:07 | P1C | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWC-26D

Lab Sample ID: 680-230805-11

Date Collected: 02/16/23 12:50

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------------|------------|-----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 | | 2 | 5 mL | 5 mL | 765704 | 03/02/23 20:21 | UI | EET SAV |
| Instrument ID: CICK | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764596 | 02/22/23 19:16 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 10 | | | 764981 | 02/24/23 16:49 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764334 | 02/21/23 13:51 | BCB | EET SAV |
| Total/NA | Analysis | 7470A | | 1 | | | 764581 | 02/22/23 15:52 | BJB | EET SAV |
| Instrument ID: QuickTrace2 | | | | | | | | | | |
| Total/NA | Analysis | 2320B-2011 | | 1 | | | 764663 | 02/22/23 18:19 | PG | EET SAV |
| Instrument ID: MANTECH 2 | | | | | | | | | | |
| Total/NA | Analysis | 2540C-2011 | | 1 | 50 mL | 200 mL | 764476 | 02/22/23 12:05 | PG | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |
| Total/NA | Analysis | 4500 S2 F-2011 | | 1 | 300 mL | 300 mL | 764693 | 02/23/23 12:01 | JAS | EET SAV |
| Instrument ID: NoEquip | | | | | | | | | | |

Eurofins Savannah

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-WGWC-26D
Date Collected: 02/16/23 12:50
Date Received: 02/18/23 06:30

Lab Sample ID: 680-230805-11
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Field Sampling | | 1 | | | 764382 | 02/16/23 12:50 | P1C | EET SAV |

Client Sample ID: WAN-WGWC-27
Date Collected: 02/16/23 15:25
Date Received: 02/18/23 06:30

Lab Sample ID: 680-230805-12
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 765704 | 03/02/23 20:34 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764596 | 02/22/23 20:01 | BWR | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764800 | 02/23/23 16:13 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764336 | 02/21/23 13:57 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 12:00 | BJB | EET SAV |
| Total/NA | Analysis | 2320B-2011 Instrument ID: MANTECH 2 | | 1 | | | 764666 | 02/22/23 23:28 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 Instrument ID: NOEQUIP | | 1 | 50 mL | 200 mL | 764476 | 02/22/23 12:05 | PG | EET SAV |
| Total/NA | Analysis | 4500 S2 F-2011 Instrument ID: NoEquip | | 1 | 300 mL | 300 mL | 764693 | 02/23/23 12:01 | JAS | EET SAV |
| Total/NA | Analysis | Field Sampling Instrument ID: NOEQUIP | | 1 | | | 764382 | 02/16/23 15:25 | P1C | EET SAV |

Client Sample ID: WAN-AP1-FD-02
Date Collected: 02/16/23 00:00
Date Received: 02/18/23 06:30

Lab Sample ID: 680-230805-13
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | | 1 | 5 mL | 5 mL | 765704 | 03/02/23 21:13 | UI | EET SAV |
| Total/NA | Analysis | 300.0-1993 R2.1 Instrument ID: CICK | DL | 5 | 5 mL | 5 mL | 765879 | 03/03/23 16:03 | UI | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 1 | | | 764596 | 02/22/23 20:45 | BWR | EET SAV |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B Instrument ID: ICPMSC | | 4 | | | 764800 | 02/23/23 16:58 | BWR | EET SAV |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764334 | 02/21/23 13:51 | BCB | EET SAV |
| Total/NA | Analysis | 7470A Instrument ID: QuickTrace2 | | 1 | | | 764581 | 02/22/23 15:55 | BJB | EET SAV |

Eurofins Savannah

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-AP1-FD-02
Date Collected: 02/16/23 00:00
Date Received: 02/18/23 06:30

Lab Sample ID: 680-230805-13
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 2320B-2011 | | 1 | | | 764666 | 02/22/23 23:37 | PG | EET SAV |
| Total/NA | Analysis | 2540C-2011 | | 1 | 50 mL | 200 mL | 764716 | 02/23/23 13:26 | PG | EET SAV |
| | | Instrument ID: NOEQUIP | | | | | | | | |
| Total/NA | Analysis | 4500 S2 F-2011 | | 1 | 300 mL | 300 mL | 764693 | 02/23/23 12:01 | JAS | EET SAV |
| | | Instrument ID: NoEquip | | | | | | | | |

Client Sample ID: WAN-AP1-FD-03
Date Collected: 02/16/23 00:00
Date Received: 02/18/23 06:30

Lab Sample ID: 680-230805-14
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|----------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 | | 1 | 5 mL | 5 mL | 765704 | 03/02/23 21:26 | UI | EET SAV |
| | | Instrument ID: CICK | | | | | | | | |
| Total/NA | Analysis | 300.0-1993 R2.1 | DL | 5 | 5 mL | 5 mL | 765879 | 03/03/23 16:16 | UI | EET SAV |
| | | Instrument ID: CICK | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764596 | 02/22/23 20:13 | BWR | EET SAV |
| | | Instrument ID: ICPMSC | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 4 | | | 764800 | 02/23/23 16:26 | BWR | EET SAV |
| | | Instrument ID: ICPMSC | | | | | | | | |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764334 | 02/21/23 13:51 | BCB | EET SAV |
| Total/NA | Analysis | 7470A | | 1 | | | 764581 | 02/22/23 16:54 | BJB | EET SAV |
| | | Instrument ID: QuickTrace2 | | | | | | | | |
| Total/NA | Analysis | 2320B-2011 | | 1 | | | 764666 | 02/22/23 22:53 | PG | EET SAV |
| | | Instrument ID: MANTECH 2 | | | | | | | | |
| Total/NA | Analysis | 2540C-2011 | | 1 | 50 mL | 200 mL | 764716 | 02/23/23 13:26 | PG | EET SAV |
| | | Instrument ID: NOEQUIP | | | | | | | | |
| Total/NA | Analysis | 4500 S2 F-2011 | | 1 | 300 mL | 300 mL | 764693 | 02/23/23 12:01 | JAS | EET SAV |
| | | Instrument ID: NoEquip | | | | | | | | |

Client Sample ID: WAN-AP1-FB-08
Date Collected: 02/16/23 12:25
Date Received: 02/18/23 06:30

Lab Sample ID: 680-230805-15
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|-----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 | | 1 | 5 mL | 5 mL | 765704 | 03/02/23 21:40 | UI | EET SAV |
| | | Instrument ID: CICK | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764596 | 02/22/23 20:21 | BWR | EET SAV |
| | | Instrument ID: ICPMSC | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764281 | 02/21/23 10:20 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764800 | 02/23/23 16:34 | BWR | EET SAV |
| | | Instrument ID: ICPMSC | | | | | | | | |

Eurofins Savannah

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-AP1-FB-08

Lab Sample ID: 680-230805-15

Date Collected: 02/16/23 12:25

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764334 | 02/21/23 13:51 | BCB | EET SAV |
| Total/NA | Analysis | 7470A | | 1 | | | 764581 | 02/22/23 16:23 | BJB | EET SAV |
| Instrument ID: QuickTrace2 | | | | | | | | | | |
| Total/NA | Analysis | 2320B-2011 | | 1 | | | 764666 | 02/22/23 23:05 | PG | EET SAV |
| Instrument ID: MANTECH 2 | | | | | | | | | | |
| Total/NA | Analysis | 2540C-2011 | | 1 | 200 mL | 200 mL | 764716 | 02/23/23 13:26 | PG | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |
| Total/NA | Analysis | 4500 S2 F-2011 | | 1 | 310 mL | 310 mL | 764693 | 02/23/23 12:01 | JAS | EET SAV |
| Instrument ID: NoEquip | | | | | | | | | | |

Client Sample ID: WAN-AP1-FB-09

Lab Sample ID: 680-230805-16

Date Collected: 02/16/23 15:55

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------------|------------|-----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 | | 1 | 5 mL | 5 mL | 765704 | 03/02/23 21:53 | UI | EET SAV |
| Instrument ID: CICK | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764596 | 02/22/23 19:24 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764981 | 02/24/23 16:58 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764334 | 02/21/23 13:51 | BCB | EET SAV |
| Total/NA | Analysis | 7470A | | 1 | | | 764581 | 02/22/23 16:30 | BJB | EET SAV |
| Instrument ID: QuickTrace2 | | | | | | | | | | |
| Total/NA | Analysis | 2320B-2011 | | 1 | | | 764666 | 02/22/23 23:13 | PG | EET SAV |
| Instrument ID: MANTECH 2 | | | | | | | | | | |
| Total/NA | Analysis | 2540C-2011 | | 1 | 200 mL | 200 mL | 764716 | 02/23/23 13:26 | PG | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |
| Total/NA | Analysis | 4500 S2 F-2011 | | 1 | 300 mL | 300 mL | 764693 | 02/23/23 12:01 | JAS | EET SAV |
| Instrument ID: NoEquip | | | | | | | | | | |

Client Sample ID: WAN-AP1-EB-02

Lab Sample ID: 680-230805-17

Date Collected: 02/16/23 09:10

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------------------|------------|-----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 | | 1 | 5 mL | 5 mL | 765704 | 03/02/23 22:06 | UI | EET SAV |
| Instrument ID: CICK | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764596 | 02/22/23 19:36 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |

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Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Client Sample ID: WAN-AP1-EB-02

Lab Sample ID: 680-230805-17

Date Collected: 02/16/23 09:10

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764981 | 02/24/23 17:10 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764334 | 02/21/23 13:51 | BCB | EET SAV |
| Total/NA | Analysis | 7470A | | 1 | | | 764581 | 02/22/23 16:37 | BJB | EET SAV |
| Instrument ID: QuickTrace2 | | | | | | | | | | |
| Total/NA | Analysis | 2320B-2011 | | 1 | | | 764666 | 02/22/23 22:25 | PG | EET SAV |
| Instrument ID: MANTECH 2 | | | | | | | | | | |
| Total/NA | Analysis | 2540C-2011 | | 1 | 200 mL | 200 mL | 764716 | 02/23/23 13:26 | PG | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |
| Total/NA | Analysis | 4500 S2 F-2011 | | 1 | 310 mL | 310 mL | 764636 | 02/23/23 09:48 | JAS | EET SAV |
| Instrument ID: NoEquip | | | | | | | | | | |

Client Sample ID: WAN-AP1-EB-03

Lab Sample ID: 680-230805-18

Date Collected: 02/16/23 16:15

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------------|------------|-----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0-1993 R2.1 | | 1 | 5 mL | 5 mL | 765704 | 03/02/23 22:19 | UI | EET SAV |
| Instrument ID: CICK | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764596 | 02/22/23 19:40 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 764270 | 02/21/23 09:52 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 764981 | 02/24/23 17:14 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Prep | 7470A | | | 50 mL | 50 mL | 764334 | 02/21/23 13:51 | BCB | EET SAV |
| Total/NA | Analysis | 7470A | | 1 | | | 764581 | 02/22/23 16:51 | BJB | EET SAV |
| Instrument ID: QuickTrace2 | | | | | | | | | | |
| Total/NA | Analysis | 2320B-2011 | | 1 | | | 764666 | 02/22/23 23:09 | PG | EET SAV |
| Instrument ID: MANTECH 2 | | | | | | | | | | |
| Total/NA | Analysis | 2540C-2011 | | 1 | 200 mL | 200 mL | 764716 | 02/23/23 13:26 | PG | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |
| Total/NA | Analysis | 4500 S2 F-2011 | | 1 | 310 mL | 310 mL | 764636 | 02/23/23 09:48 | JAS | EET SAV |
| Instrument ID: NoEquip | | | | | | | | | | |

Laboratory References:

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

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Florida | NELAP | E87052 | 06-30-23 |
| Georgia | State | E87052 | 06-30-23 |

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Method Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-1

| Method | Method Description | Protocol | Laboratory |
|-----------------|--|----------|------------|
| 300.0-1993 R2.1 | Anions, Ion Chromatography | MCAWW | EET SAV |
| 6020B | Metals (ICP/MS) | SW846 | EET SAV |
| 7470A | Mercury (CVAA) | SW846 | EET SAV |
| 2320B-2011 | Alkalinity, Total | SM | EET SAV |
| 2540C-2011 | Total Dissolved Solids (Dried at 180 °C) | SM | EET SAV |
| 4500 S2 F-2011 | Sulfide, Total | SM | EET SAV |
| Field Sampling | Field Sampling | EPA | EET SAV |
| 3005A | Preparation, Total Recoverable or Dissolved Metals | SW846 | EET SAV |
| 7470A | Preparation, Mercury | SW846 | EET SAV |

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

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

Laboratory References:

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

| | | | | | |
|---|--|---|--|--|--|
| Client Information Client Contact: <i>David Fuller</i> SCS Contacts: <i>770 594 5998</i> | | Lab PM: <i>David Fuller</i> E-Mail: <i>David.Fuller@et.eurofins.us</i> | | Carrier Tracking No(s): Page: <i>1 of 2</i> | |
| Address: 241 Ralph McGill Blvd SE City: Atlanta State: GA ZIP: 30308 Phone: 404-506-7116 (Tel) Email: 68027766 SCS Contacts / Geosyntec Contacts Project Name: Plant Wansley Ash Pond Site: | | Due Date Requested TAT Requested (days): <i>Standard</i> Lab Project #: 68027766 PO #: Project #: SOW#: | | Job #: Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify) Other: | |
| Sample Identification | | Analysis Requested | | Task Code: WAN-CCR-ASSMT-2023S1 Special Instructions/Note: Full APP III and APP IV | |
| Sample ID: WAN-W6WC-8 WAN-W6WC-16 WAN-W6WC-11 WAN-W6WC-12 WAN-W6WC-13 WAN-W6WC-14A WAN-W6WC-17 WAN-W6WC-19 WAN-W6WC-20 WAN-W6WC-21 WAN-W6WC-26D | | Matrix: <i>WG</i> Sample Type: <i>G</i> Sample Time (hh:mm): <i>1452</i> Sample Date (mm/dd/yy): <i>02/16/23</i> | | Total Number of Containers: <i>8</i> Chain of Custody: 680-230805 | |
| Perform MS/MSD (Yes or No): <i>N</i> Field Filtered Sample (Yes or No): <i>N</i> App III Metals B, Ca: <i>✓</i> App IV Metals (EPA 60207470): <i>✓</i> Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl: <i>✓</i> Radium 226 & 228 (SW-846 9315/9320): <i>✓</i> Major Ions - Carbonate, Bicarbonate, Total Alkalinity: <i>✓</i> Major Ions - Sulfide: <i>✓</i> Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium: <i>✓</i> | | pH: <i>5.22</i> pH: <i>6.39</i> pH: <i>5.67</i> pH: <i>6.61</i> pH: <i>6.27</i> pH: <i>5.40</i> pH: <i>6.28</i> pH: <i>6.80</i> pH: <i>5.17</i> pH: <i>6.92</i> pH: <i>5.52</i> | | Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: | |
| Possible Hazard Identification: <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | Special Instructions/QC Requirements | |
| Relinquished by: <i>David Fuller</i> Relinquished by: <i>David Fuller</i> Relinquished by: | | Date/Time: <i>2/17/23 1427</i> Date/Time: <i>2/17/23 1437</i> Date/Time: | | Method of Shipment: Received by: <i>David Fuller</i> Received by: <i>David Fuller</i> Received by: | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No: | | Cooler Temperature(s) °C and Other Remarks: <i>1.4/1.1 0.1/0.1 0.9/0.9 0.6/0.6 1.4/1.4</i> | | Ver: 01/16/2019 | |

| | | | | | | | | | | | | | | | |
|---|--|---|--|---|--|--|--|--|--|---|--|---|--|--|--|
| Client Information Client Contact: SCS Contacts Company: GA Power Address: 241 Ralph McGill Blvd SE City: Atlanta State: GA, Zip: 30308 Phone: 404-506-7116(Tel) Email: 68027766 Project Name: Plant Wansley Ash Pond Site: | | Sampler: ACC A Schreyer D Solomon Phone: 770 594 5994 Lab PM: Fuller David E-Mail: david.fuller@et.eurofins.com | | COC No: <u>102</u> Page: <u>2 of 2</u> Job #: | | Carrier Tracking No(s) | | | | | | | | | |
| Due Date Requested TAT Requested (days) Standard | | | | Analysis Requested | | | | | | | | | | | |
| Lab Project #: 68027766 PO #: | | Perform MS/MSD (Yes or No) Field Filtered Sample (Yes or No) | | Major Ions - Carbonate, Bicarbonate, Total Alkalinity Major Ions - Sulfide Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium | | Total Number of Containers | | | | | | | | | |
| Sample Identification WAN-W6WC-27 WAN-API-FD-02 WAN-API-FD-03 WAN-API-FB-08 WAN-API-FB-09 WAN-API-EB-02 WAN-API-EB-03 WAN- WAN- WAN- WAN- | | Sample Date (mm/dd/yy) 02/16/23 02/16/23 02/16/23 02/16/23 02/16/23 02/16/23 02/16/23 02/16/23 | | Sample Time (hhmm) 1525 / / 1225 1555 0910 1615 | | Sample Type (C=comp, G=grab) G G G G G G G G G G G G G G G G G G | | Mark (If ground water, water WQ=quality control) WG WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ | | Preservation Code WG WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ WQ | | App III Metals B, Ca App IV Metals (EPA 6020/470) Sb,As,Ba,Cd,Cr,Cu,Pb,Li,Hg,Mo,Se,Tl Radium 226 & 228 (SW-846 9315/9320) Major Ions - Carbonate, Bicarbonate, Total Alkalinity Major Ions - Sulfide Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium | | Task Code WAN-CCR-ASSMT-2023S1 Special Instructions/Note: Full APP III and APP IV | |
| Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological | | | | | | | | | | | | | | | |
| Deliverable Requested I, II, III, IV, Other (specify) | | | | | | | | | | | | | | | |
| Empty Kit Relinquished by | | | | | | | | | | | | | | | |
| Relinquished by: <u>[Signature]</u> Relinquished by: <u>[Signature]</u> Relinquished by: <u>[Signature]</u> | | Date/Time: 2/17/23 14:27 Date/Time: 2/17/23 14:27 Date/Time: | | Company Company Company | | Date/Time: 2/17/23 14:27 Date/Time: 2/18/23 06:30 Date/Time: | | Company Company Company | | | | | | | |
| Custody Seals Intact: Δ Yes Δ No | | Custody Seal No | | Cooler Temperature(s) and Other Remarks: 1.11.1 0-10.1 0 9/0.7 0-6/0.6 1.4/1.4 | | Special Instructions/QC Requirements | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | | | | | | |

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230805-1

Login Number: 230805

List Source: Eurofins Savannah

List Number: 1

Creator: Johnson, Corey M

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



 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 3/31/2023 4:21:20 PM

JOB DESCRIPTION

Plant Wansley - Ash Pond

JOB NUMBER

680-230805-2

Eurofins Savannah

Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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Definitions/Glossary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Qualifiers

Rad

| Qualifier | Qualifier Description |
|-----------|---|
| U | Result is less than the sample detection limit. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Sample Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 680-230805-1 | WAN-WGWC-8 | Water | 02/16/23 14:52 | 02/18/23 06:30 |
| 680-230805-2 | WAN-WGWC-10 | Water | 02/16/23 13:18 | 02/18/23 06:30 |
| 680-230805-3 | WAN-WGWC-11 | Water | 02/16/23 11:55 | 02/18/23 06:30 |
| 680-230805-4 | WAN-WGWC-12 | Water | 02/16/23 10:55 | 02/18/23 06:30 |
| 680-230805-5 | WAN-WGWC-13 | Water | 02/16/23 15:25 | 02/18/23 06:30 |
| 680-230805-6 | WAN-WGWC-14A | Water | 02/16/23 13:30 | 02/18/23 06:30 |
| 680-230805-7 | WAN-WGWC-17 | Water | 02/16/23 11:02 | 02/18/23 06:30 |
| 680-230805-8 | WAN-WGWC-19 | Water | 02/16/23 13:09 | 02/18/23 06:30 |
| 680-230805-9 | WAN-WGWC-20 | Water | 02/16/23 10:05 | 02/18/23 06:30 |
| 680-230805-10 | WAN-WGWC-21 | Water | 02/16/23 16:07 | 02/18/23 06:30 |
| 680-230805-11 | WAN-WGWC-26D | Water | 02/16/23 12:50 | 02/18/23 06:30 |
| 680-230805-12 | WAN-WGWC-27 | Water | 02/16/23 15:25 | 02/18/23 06:30 |
| 680-230805-13 | WAN-AP1-FD-02 | Water | 02/16/23 00:00 | 02/18/23 06:30 |
| 680-230805-14 | WAN-AP1-FD-03 | Water | 02/16/23 00:00 | 02/18/23 06:30 |
| 680-230805-15 | WAN-AP1-FB-08 | Water | 02/16/23 12:25 | 02/18/23 06:30 |
| 680-230805-16 | WAN-AP1-FB-09 | Water | 02/16/23 15:55 | 02/18/23 06:30 |
| 680-230805-17 | WAN-AP1-EB-02 | Water | 02/16/23 09:10 | 02/18/23 06:30 |
| 680-230805-18 | WAN-AP1-EB-03 | Water | 02/16/23 16:15 | 02/18/23 06:30 |



Case Narrative

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Job ID: 680-230805-2

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-230805-2

Receipt

The samples were received on 2/18/2023 6:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 0.1°C, 0.6°C, 0.9°C, 1.1°C and 1.4°C

Gas Flow Proportional Counter

Method 9315_Ra226: Radium-226 Prep Batch 160-602054 Insufficient sample volume was available to perform a sample duplicate for the following samples: WAN-WGWC-8 (680-230805-1), WAN-WGWC-10 (680-230805-2), WAN-WGWC-11 (680-230805-3), WAN-WGWC-12 (680-230805-4), WAN-WGWC-13 (680-230805-5), WAN-WGWC-14A (680-230805-6), WAN-WGWC-17 (680-230805-7), WAN-WGWC-19 (680-230805-8), WAN-WGWC-20 (680-230805-9), WAN-WGWC-21 (680-230805-10), WAN-WGWC-26D (680-230805-11), WAN-WGWC-27 (680-230805-12), WAN-AP1-FD-02 (680-230805-13), WAN-AP1-FD-03 (680-230805-14), WAN-AP1-FB-08 (680-230805-15), WAN-AP1-FB-09 (680-230805-16), WAN-AP1-EB-02 (680-230805-17) and WAN-AP1-EB-03 (680-230805-18). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 9315_Ra226: Radium-226 batch 602054 Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. WAN-WGWC-8 (680-230805-1), WAN-WGWC-10 (680-230805-2), WAN-WGWC-11 (680-230805-3), WAN-WGWC-12 (680-230805-4), WAN-WGWC-13 (680-230805-5), WAN-WGWC-14A (680-230805-6), WAN-WGWC-17 (680-230805-7), WAN-WGWC-19 (680-230805-8), WAN-WGWC-20 (680-230805-9), WAN-WGWC-21 (680-230805-10), WAN-WGWC-26D (680-230805-11), WAN-WGWC-27 (680-230805-12), WAN-AP1-FD-02 (680-230805-13), WAN-AP1-FD-03 (680-230805-14), WAN-AP1-FB-08 (680-230805-15), WAN-AP1-FB-09 (680-230805-16), WAN-AP1-EB-02 (680-230805-17), WAN-AP1-EB-03 (680-230805-18), (LCS 160-602054/2-A), (LCSD 160-602054/22-A) and (MB 160-602054/1-A)

Method 9320_Ra228: Radium-228 Prep Batch 160-602055 Insufficient sample volume was available to perform a sample duplicate for the following samples: WAN-WGWC-8 (680-230805-1), WAN-WGWC-10 (680-230805-2), WAN-WGWC-11 (680-230805-3), WAN-WGWC-12 (680-230805-4), WAN-WGWC-13 (680-230805-5), WAN-WGWC-14A (680-230805-6), WAN-WGWC-17 (680-230805-7), WAN-WGWC-19 (680-230805-8), WAN-WGWC-20 (680-230805-9), WAN-WGWC-21 (680-230805-10), WAN-WGWC-26D (680-230805-11), WAN-WGWC-27 (680-230805-12), WAN-AP1-FD-02 (680-230805-13), WAN-AP1-FD-03 (680-230805-14), WAN-AP1-FB-08 (680-230805-15), WAN-AP1-FB-09 (680-230805-16), WAN-AP1-EB-02 (680-230805-17) and WAN-AP1-EB-03 (680-230805-18). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 9320_Ra228: Radium-228 batch 602055 The LCS/LCSD recovered at (129% & 131%). The limits in our LIMS system set at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS/LCSD are not from this agency and are therefore held to our in-house statistical limits of (62-148%) per method requirements. The LCS passes, no further action is required (LCS 160-602055/2-A) and (LCSD 160-602055/22-A)

Method 9320_Ra228: Radium-228 batch 602055 Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. WAN-WGWC-8 (680-230805-1), WAN-WGWC-10 (680-230805-2), WAN-WGWC-11 (680-230805-3), WAN-WGWC-12 (680-230805-4), WAN-WGWC-13 (680-230805-5), WAN-WGWC-14A (680-230805-6), WAN-WGWC-17 (680-230805-7), WAN-WGWC-19 (680-230805-8), WAN-WGWC-20 (680-230805-9), WAN-WGWC-21 (680-230805-10), WAN-WGWC-26D (680-230805-11), WAN-WGWC-27 (680-230805-12), WAN-AP1-FD-02 (680-230805-13), WAN-AP1-FD-03 (680-230805-14), WAN-AP1-FB-08 (680-230805-15), WAN-AP1-FB-09 (680-230805-16), WAN-AP1-EB-02 (680-230805-17), WAN-AP1-EB-03 (680-230805-18), (LCS 160-602055/2-A), (LCSD 160-602055/22-A) and (MB 160-602055/1-A)

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

Rad

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

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Client Sample ID: WAN-WGWC-8

Lab Sample ID: 680-230805-1

Date Collected: 02/16/23 14:52

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|--------|-------|-----------------|-----------------|----------------|
| Radium-226 | 0.456 | | 0.119 | 0.126 | 1.00 | 0.0970 | pCi/L | 03/01/23 12:06 | 03/30/23 07:30 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 85.9 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 07:30 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|-------|-------|-----------------|-----------------|----------------|
| Radium-228 | 2.59 | | 0.580 | 0.627 | 1.00 | 0.561 | pCi/L | 03/01/23 12:23 | 03/09/23 12:06 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 85.9 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:06 | 1 |
| Y Carrier | 80.7 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:06 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 3.04 | | 0.592 | 0.640 | 2.00 | 0.561 | pCi/L | | 03/30/23 17:59 | 1 |

Client Sample ID: WAN-WGWC-10

Lab Sample ID: 680-230805-2

Date Collected: 02/16/23 13:18

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|-------|-------|-----------------|-----------------|----------------|
| Radium-226 | 0.0685 | U | 0.0656 | 0.0659 | 1.00 | 0.102 | pCi/L | 03/01/23 12:06 | 03/30/23 07:30 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 85.6 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 07:30 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|-------|-------|-----------------|-----------------|----------------|
| Radium-228 | 0.257 | U | 0.367 | 0.368 | 1.00 | 0.618 | pCi/L | 03/01/23 12:23 | 03/09/23 12:06 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 85.6 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:06 | 1 |
| Y Carrier | 81.1 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:06 | 1 |

Eurofins Savannah

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Client Sample ID: WAN-WGWC-10

Lab Sample ID: 680-230805-2

Date Collected: 02/16/23 13:18

Matrix: Water

Date Received: 02/18/23 06:30

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.326 | U | 0.373 | 0.374 | 2.00 | 0.618 | pCi/L | | 03/30/23 17:59 | 1 |

Client Sample ID: WAN-WGWC-11

Lab Sample ID: 680-230805-3

Date Collected: 02/16/23 11:55

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|--------|-------|-----------------|-----------------|----------------|
| Radium-226 | 0.0564 | U | 0.0515 | 0.0518 | 1.00 | 0.0775 | pCi/L | 03/01/23 12:06 | 03/30/23 07:30 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.5 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 07:30 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|-------|-------|-----------------|-----------------|----------------|
| Radium-228 | 0.361 | U | 0.300 | 0.302 | 1.00 | 0.465 | pCi/L | 03/01/23 12:23 | 03/09/23 12:06 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.5 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:06 | 1 |
| Y Carrier | 81.1 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:06 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.417 | U | 0.304 | 0.306 | 2.00 | 0.465 | pCi/L | | 03/30/23 17:59 | 1 |

Client Sample ID: WAN-WGWC-12

Lab Sample ID: 680-230805-4

Date Collected: 02/16/23 10:55

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|--------|-------|-----------------|-----------------|----------------|
| Radium-226 | 0.128 | | 0.0745 | 0.0754 | 1.00 | 0.0991 | pCi/L | 03/01/23 12:06 | 03/30/23 07:30 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 91.8 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 07:30 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Client Sample ID: WAN-WGWC-12

Lab Sample ID: 680-230805-4

Date Collected: 02/16/23 10:55

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.260 | U | 0.299 | 0.300 | 1.00 | 0.491 | pCi/L | 03/01/23 12:23 | 03/09/23 12:06 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 91.8 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:06 | 1 |
| Y Carrier | 82.6 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:06 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.388 | U | 0.308 | 0.309 | 2.00 | 0.491 | pCi/L | | 03/30/23 17:59 | 1 |

Client Sample ID: WAN-WGWC-13

Lab Sample ID: 680-230805-5

Date Collected: 02/16/23 15:25

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.215 | | 0.0857 | 0.0878 | 1.00 | 0.0953 | pCi/L | 03/01/23 12:06 | 03/30/23 07:30 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 87.9 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 07:30 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.0140 | U | 0.325 | 0.325 | 1.00 | 0.609 | pCi/L | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 87.9 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Y Carrier | 83.0 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.200 | U | 0.336 | 0.337 | 2.00 | 0.609 | pCi/L | | 03/30/23 17:59 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Client Sample ID: WAN-WGWC-14A

Lab Sample ID: 680-230805-6

Date Collected: 02/16/23 13:30

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.329 | | 0.104 | 0.108 | 1.00 | 0.101 | pCi/L | 03/01/23 12:06 | 03/30/23 07:30 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 89.5 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 07:30 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.126 | U | 0.282 | 0.282 | 1.00 | 0.497 | pCi/L | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 89.5 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Y Carrier | 83.0 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.455 | U | 0.301 | 0.302 | 2.00 | 0.497 | pCi/L | | 03/30/23 17:59 | 1 |

Client Sample ID: WAN-WGWC-17

Lab Sample ID: 680-230805-7

Date Collected: 02/16/23 11:02

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.0349 | U | 0.0544 | 0.0545 | 1.00 | 0.0940 | pCi/L | 03/01/23 12:06 | 03/30/23 07:30 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 83.3 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 07:30 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.0863 | U | 0.305 | 0.305 | 1.00 | 0.552 | pCi/L | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 83.3 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Y Carrier | 82.2 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |

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Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Client Sample ID: WAN-WGWC-17

Lab Sample ID: 680-230805-7

Date Collected: 02/16/23 11:02

Matrix: Water

Date Received: 02/18/23 06:30

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.121 | U | 0.310 | 0.310 | 2.00 | 0.552 | pCi/L | | 03/30/23 17:59 | 1 |

Client Sample ID: WAN-WGWC-19

Lab Sample ID: 680-230805-8

Date Collected: 02/16/23 13:09

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|-------|-------|-----------------|-----------------|----------------|
| Radium-226 | 0.106 | U | 0.0883 | 0.0888 | 1.00 | 0.134 | pCi/L | 03/01/23 12:06 | 03/30/23 07:31 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 73.2 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 07:31 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|-------|-------|-----------------|-----------------|----------------|
| Radium-228 | 0.142 | U | 0.323 | 0.323 | 1.00 | 0.573 | pCi/L | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 73.2 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Y Carrier | 81.9 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.248 | U | 0.335 | 0.335 | 2.00 | 0.573 | pCi/L | | 03/30/23 17:59 | 1 |

Client Sample ID: WAN-WGWC-20

Lab Sample ID: 680-230805-9

Date Collected: 02/16/23 10:05

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|--------|-------|-----------------|-----------------|----------------|
| Radium-226 | 0.215 | | 0.0860 | 0.0881 | 1.00 | 0.0908 | pCi/L | 03/01/23 12:06 | 03/30/23 07:31 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 90.1 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 07:31 | 1 |

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Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Client Sample ID: WAN-WGWC-20

Lab Sample ID: 680-230805-9

Date Collected: 02/16/23 10:05

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|-------|-------|-----------------|-----------------|----------------|
| Radium-228 | 0.639 | | 0.387 | 0.391 | 1.00 | 0.563 | pCi/L | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 90.1 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Y Carrier | 81.9 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.853 | | 0.396 | 0.401 | 2.00 | 0.563 | pCi/L | | 03/30/23 17:59 | 1 |

Client Sample ID: WAN-WGWC-21

Lab Sample ID: 680-230805-10

Date Collected: 02/16/23 16:07

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|--------|-------|-----------------|-----------------|----------------|
| Radium-226 | 0.239 | | 0.0912 | 0.0937 | 1.00 | 0.0929 | pCi/L | 03/01/23 12:06 | 03/30/23 07:31 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 85.9 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 07:31 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|-------|-------|-----------------|-----------------|----------------|
| Radium-228 | 0.378 | U | 0.336 | 0.338 | 1.00 | 0.527 | pCi/L | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 85.9 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Y Carrier | 79.3 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.617 | | 0.348 | 0.351 | 2.00 | 0.527 | pCi/L | | 03/30/23 17:59 | 1 |

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Client Sample Results

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Client Sample ID: WAN-WGWC-26D

Lab Sample ID: 680-230805-11

Date Collected: 02/16/23 12:50

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 2.55 | | 0.257 | 0.345 | 1.00 | 0.0964 | pCi/L | 03/01/23 12:06 | 03/30/23 09:40 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 87.9 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 09:40 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 2.94 | | 0.609 | 0.666 | 1.00 | 0.553 | pCi/L | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 87.9 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Y Carrier | 81.1 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 5.49 | | 0.661 | 0.750 | 2.00 | 0.553 | pCi/L | | 03/30/23 17:59 | 1 |

Client Sample ID: WAN-WGWC-27

Lab Sample ID: 680-230805-12

Date Collected: 02/16/23 15:25

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.693 | | 0.140 | 0.154 | 1.00 | 0.0946 | pCi/L | 03/01/23 12:06 | 03/30/23 09:40 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 88.4 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 09:40 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 1.47 | | 0.496 | 0.514 | 1.00 | 0.597 | pCi/L | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 88.4 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Y Carrier | 77.0 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |

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Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Client Sample ID: WAN-WGWC-27

Lab Sample ID: 680-230805-12

Date Collected: 02/16/23 15:25

Matrix: Water

Date Received: 02/18/23 06:30

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 2.16 | | 0.515 | 0.537 | 2.00 | 0.597 | pCi/L | | 03/30/23 17:59 | 1 |

Client Sample ID: WAN-AP1-FD-02

Lab Sample ID: 680-230805-13

Date Collected: 02/16/23 00:00

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|--------|-------|-----------------|-----------------|----------------|
| Radium-226 | 2.62 | | 0.260 | 0.351 | 1.00 | 0.0977 | pCi/L | 03/01/23 12:06 | 03/30/23 09:40 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 91.0 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 09:40 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|-------|-------|-----------------|-----------------|----------------|
| Radium-228 | 3.27 | | 0.649 | 0.716 | 1.00 | 0.582 | pCi/L | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 91.0 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |
| Y Carrier | 76.6 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:07 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 5.89 | | 0.699 | 0.797 | 2.00 | 0.582 | pCi/L | | 03/30/23 17:59 | 1 |

Client Sample ID: WAN-AP1-FD-03

Lab Sample ID: 680-230805-14

Date Collected: 02/16/23 00:00

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|--------|-------|-----------------|-----------------|----------------|
| Radium-226 | 0.521 | | 0.127 | 0.136 | 1.00 | 0.0902 | pCi/L | 03/01/23 12:06 | 03/30/23 09:40 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 81.1 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 09:40 | 1 |

Client Sample Results

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Client Sample ID: WAN-AP1-FD-03

Lab Sample ID: 680-230805-14

Date Collected: 02/16/23 00:00

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 2.53 | | 0.635 | 0.676 | 1.00 | 0.700 | pCi/L | 03/01/23 12:23 | 03/09/23 12:08 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 81.1 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:08 | 1 |
| Y Carrier | 83.4 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:08 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 3.05 | | 0.648 | 0.690 | 2.00 | 0.700 | pCi/L | | 03/30/23 17:59 | 1 |

Client Sample ID: WAN-AP1-FB-08

Lab Sample ID: 680-230805-15

Date Collected: 02/16/23 12:25

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | -0.0144 | U | 0.0460 | 0.0461 | 1.00 | 0.101 | pCi/L | 03/01/23 12:06 | 03/30/23 09:40 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 89.8 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 09:40 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.229 | U | 0.286 | 0.287 | 1.00 | 0.474 | pCi/L | 03/01/23 12:23 | 03/09/23 12:08 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 89.8 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:08 | 1 |
| Y Carrier | 86.0 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:08 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.215 | U | 0.290 | 0.291 | 2.00 | 0.474 | pCi/L | | 03/30/23 17:59 | 1 |

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Client Sample ID: WAN-AP1-FB-09

Lab Sample ID: 680-230805-16

Date Collected: 02/16/23 15:55

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | -0.00645 | U | 0.0445 | 0.0445 | 1.00 | 0.0936 | pCi/L | 03/01/23 12:06 | 03/30/23 09:40 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 89.5 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 09:40 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.144 | U | 0.299 | 0.299 | 1.00 | 0.523 | pCi/L | 03/01/23 12:23 | 03/09/23 12:09 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 89.5 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:09 | 1 |
| Y Carrier | 83.0 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:09 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.137 | U | 0.302 | 0.302 | 2.00 | 0.523 | pCi/L | | 03/30/23 17:59 | 1 |

Client Sample ID: WAN-AP1-EB-02

Lab Sample ID: 680-230805-17

Date Collected: 02/16/23 09:10

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0129 | U | 0.0539 | 0.0540 | 1.00 | 0.103 | pCi/L | 03/01/23 12:06 | 03/30/23 09:40 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 87.0 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 09:40 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.189 | U | 0.328 | 0.329 | 1.00 | 0.563 | pCi/L | 03/01/23 12:23 | 03/09/23 12:09 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 87.0 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:09 | 1 |
| Y Carrier | 84.9 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:09 | 1 |

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Client Sample Results

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Client Sample ID: WAN-AP1-EB-02

Lab Sample ID: 680-230805-17

Date Collected: 02/16/23 09:10

Matrix: Water

Date Received: 02/18/23 06:30

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.202 | U | 0.332 | 0.333 | 2.00 | 0.563 | pCi/L | | 03/30/23 17:59 | 1 |

Client Sample ID: WAN-AP1-EB-03

Lab Sample ID: 680-230805-18

Date Collected: 02/16/23 16:15

Matrix: Water

Date Received: 02/18/23 06:30

Method: SW846 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|--------|-------|-----------------|-----------------|----------------|
| Radium-226 | 0.0326 | U | 0.0509 | 0.0510 | 1.00 | 0.0880 | pCi/L | 03/01/23 12:06 | 03/30/23 09:41 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 90.4 | | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 09:41 | 1 |

Method: SW846 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------|---------------|------------------|-----------------------------|-----------------------------|------|-------|-------|-----------------|-----------------|----------------|
| Radium-228 | 0.640 | | 0.393 | 0.397 | 1.00 | 0.581 | pCi/L | 03/01/23 12:23 | 03/09/23 12:09 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 90.4 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:09 | 1 |
| Y Carrier | 83.4 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:09 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.673 | | 0.396 | 0.400 | 2.00 | 0.581 | pCi/L | | 03/30/23 17:59 | 1 |

Tracer/Carrier Summary

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Method: 9315 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Yield (Acceptance Limits) | |
|----------------------|------------------------|-----------------------------------|---------------|
| | | Ba (30-110) | Y (30-110) |
| 680-230805-1 | WAN-WGWC-8 | 85.9 | 80.7 |
| 680-230805-2 | WAN-WGWC-10 | 85.6 | 81.1 |
| 680-230805-3 | WAN-WGWC-11 | 97.5 | 81.1 |
| 680-230805-4 | WAN-WGWC-12 | 91.8 | 82.6 |
| 680-230805-5 | WAN-WGWC-13 | 87.9 | 83.0 |
| 680-230805-6 | WAN-WGWC-14A | 89.5 | 83.0 |
| 680-230805-7 | WAN-WGWC-17 | 83.3 | 82.2 |
| 680-230805-8 | WAN-WGWC-19 | 73.2 | 81.9 |
| 680-230805-9 | WAN-WGWC-20 | 90.1 | 81.9 |
| 680-230805-10 | WAN-WGWC-21 | 85.9 | 79.3 |
| 680-230805-11 | WAN-WGWC-26D | 87.9 | 81.1 |
| 680-230805-12 | WAN-WGWC-27 | 88.4 | 77.0 |
| 680-230805-13 | WAN-AP1-FD-02 | 91.0 | 76.6 |
| 680-230805-14 | WAN-AP1-FD-03 | 81.1 | 83.4 |
| 680-230805-15 | WAN-AP1-FB-08 | 89.8 | 86.0 |
| 680-230805-16 | WAN-AP1-FB-09 | 89.5 | 83.0 |
| 680-230805-17 | WAN-AP1-EB-02 | 87.0 | 84.9 |
| 680-230805-18 | WAN-AP1-EB-03 | 90.4 | 83.4 |
| LCS 160-602054/2-A | Lab Control Sample | 87.0 | 83.0 |
| LCSD 160-602054/22-A | Lab Control Sample Dup | 82.2 | |
| MB 160-602054/1-A | Method Blank | 90.4 | |

Tracer/Carrier Legend
 Ba = Ba Carrier

Method: 9320 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Yield (Acceptance Limits) | |
|--------------------|--------------------|-----------------------------------|---------------|
| | | Ba (30-110) | Y (30-110) |
| 680-230805-1 | WAN-WGWC-8 | 85.9 | 80.7 |
| 680-230805-2 | WAN-WGWC-10 | 85.6 | 81.1 |
| 680-230805-3 | WAN-WGWC-11 | 97.5 | 81.1 |
| 680-230805-4 | WAN-WGWC-12 | 91.8 | 82.6 |
| 680-230805-5 | WAN-WGWC-13 | 87.9 | 83.0 |
| 680-230805-6 | WAN-WGWC-14A | 89.5 | 83.0 |
| 680-230805-7 | WAN-WGWC-17 | 83.3 | 82.2 |
| 680-230805-8 | WAN-WGWC-19 | 73.2 | 81.9 |
| 680-230805-9 | WAN-WGWC-20 | 90.1 | 81.9 |
| 680-230805-10 | WAN-WGWC-21 | 85.9 | 79.3 |
| 680-230805-11 | WAN-WGWC-26D | 87.9 | 81.1 |
| 680-230805-12 | WAN-WGWC-27 | 88.4 | 77.0 |
| 680-230805-13 | WAN-AP1-FD-02 | 91.0 | 76.6 |
| 680-230805-14 | WAN-AP1-FD-03 | 81.1 | 83.4 |
| 680-230805-15 | WAN-AP1-FB-08 | 89.8 | 86.0 |
| 680-230805-16 | WAN-AP1-FB-09 | 89.5 | 83.0 |
| 680-230805-17 | WAN-AP1-EB-02 | 87.0 | 84.9 |
| 680-230805-18 | WAN-AP1-EB-03 | 90.4 | 83.4 |
| LCS 160-602055/2-A | Lab Control Sample | 87.0 | 83.0 |

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Tracer/Carrier Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Method: 9320 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

| Lab Sample ID | Client Sample ID | Ba | Y |
|----------------------|------------------------|----------|----------|
| | | (30-110) | (30-110) |
| LCSD 160-602055/22-A | Lab Control Sample Dup | 82.2 | 76.3 |
| MB 160-602055/1-A | Method Blank | 90.4 | 84.1 |

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

QC Sample Results

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-602054/1-A
Matrix: Water
Analysis Batch: 605624

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 602054

| Analyte | MB | | Count | Total | RL | MDC | Unit | Prepared | | Analyzed | | Dil Fac |
|------------|---------|--------------|-----------------|-----------------|------|-------|-------|----------------|----------------|----------|---|---------|
| | Result | MB Qualifier | Uncert. (2σ+/-) | Uncert. (2σ+/-) | | | | 03/01/23 12:06 | 03/30/23 07:27 | | | |
| Radium-226 | 0.01508 | U | 0.0656 | 0.0656 | 1.00 | 0.123 | pCi/L | 03/01/23 12:06 | 03/30/23 07:27 | | 1 | |
| Carrier | MB | | Limits | | | | | Prepared | Analyzed | Dil Fac | | |
| Ba Carrier | %Yield | MB Qualifier | 30 - 110 | | | | | 03/01/23 12:06 | 03/30/23 07:27 | 1 | | |
| | 90.4 | | | | | | | | | | | |

Lab Sample ID: LCS 160-602054/2-A
Matrix: Water
Analysis Batch: 605622

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 602054

| Analyte | LCS | | Spike | LCS | Total | RL | MDC | Unit | %Rec | %Rec | |
|------------|--------|---------------|----------|--------|-----------------|------|--------|-------|------|----------|--------|
| | %Yield | LCS Qualifier | Added | Result | Uncert. (2σ+/-) | | | | | Limits | Limits |
| Radium-226 | | | 11.3 | 11.31 | 1.15 | 1.00 | 0.0978 | pCi/L | 100 | 75 - 125 | |
| Carrier | LCS | | Limits | | | | | | | | |
| Ba Carrier | %Yield | LCS Qualifier | 30 - 110 | | | | | | | | |
| | 87.0 | | | | | | | | | | |

Lab Sample ID: LCSD 160-602054/22-A
Matrix: Water
Analysis Batch: 605622

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 602054

| Analyte | LCSD | | Spike | LCSD | Total | RL | MDC | Unit | %Rec | %Rec | | RER | Limit |
|------------|--------|----------------|----------|--------|-----------------|------|--------|-------|------|----------|-------|------|-------|
| | %Yield | LCSD Qualifier | Added | Result | Uncert. (2σ+/-) | | | | | Limits | Limit | | |
| Radium-226 | | | 11.3 | 12.17 | 1.24 | 1.00 | 0.0975 | pCi/L | 107 | 75 - 125 | | 0.36 | 1 |
| Carrier | LCSD | | Limits | | | | | | | | | | |
| Ba Carrier | %Yield | LCSD Qualifier | 30 - 110 | | | | | | | | | | |
| | 82.2 | | | | | | | | | | | | |

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-602055/1-A
Matrix: Water
Analysis Batch: 603031

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 602055

| Analyte | MB | | Count | Total | RL | MDC | Unit | Prepared | | Analyzed | | Dil Fac |
|------------|---------|--------------|-----------------|-----------------|------|-------|-------|----------------|----------------|----------|---|---------|
| | Result | MB Qualifier | Uncert. (2σ+/-) | Uncert. (2σ+/-) | | | | 03/01/23 12:23 | 03/09/23 12:05 | | | |
| Radium-228 | 0.07662 | U | 0.296 | 0.297 | 1.00 | 0.534 | pCi/L | 03/01/23 12:23 | 03/09/23 12:05 | | 1 | |
| Carrier | MB | | Limits | | | | | Prepared | Analyzed | Dil Fac | | |
| Ba Carrier | %Yield | MB Qualifier | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:05 | 1 | | |
| Y Carrier | 84.1 | | 30 - 110 | | | | | 03/01/23 12:23 | 03/09/23 12:05 | 1 | | |

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QC Sample Results

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-602055/2-A
Matrix: Water
Analysis Batch: 603031

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 602055

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | |
|----------------|---------------|------------------|---------------|-----------------------|------|-------|-------|------|-------------|--|
| | | | | | | | | | | |
| Radium-228 | 8.13 | 10.52 | | 1.43 | 1.00 | 0.653 | pCi/L | 129 | 75 - 125 | |
| LCS LCS | | | | | | | | | | |
| Carrier | %Yield | Qualifier | Limits | | | | | | | |
| Ba Carrier | 87.0 | | 30 - 110 | | | | | | | |
| Y Carrier | 83.0 | | 30 - 110 | | | | | | | |

Lab Sample ID: LCSD 160-602055/22-A
Matrix: Water
Analysis Batch: 603030

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 602055

| Analyte | Spike Added | LCSD Result | LCSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | RER | RER Limit |
|------------------|---------------|------------------|---------------|-----------------------|------|-------|-------|------|-------------|------|-----|-----------|
| | | | | | | | | | | | | |
| Radium-228 | 8.13 | 10.68 | | 1.64 | 1.00 | 0.871 | pCi/L | 131 | 75 - 125 | 0.05 | 1 | |
| LCSD LCSD | | | | | | | | | | | | |
| Carrier | %Yield | Qualifier | Limits | | | | | | | | | |
| Ba Carrier | 82.2 | | 30 - 110 | | | | | | | | | |
| Y Carrier | 76.3 | | 30 - 110 | | | | | | | | | |

QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Rad

Prep Batch: 602054

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|------------|------------|
| 680-230805-1 | WAN-WGWC-8 | Total/NA | Water | PrecSep-21 | |
| 680-230805-2 | WAN-WGWC-10 | Total/NA | Water | PrecSep-21 | |
| 680-230805-3 | WAN-WGWC-11 | Total/NA | Water | PrecSep-21 | |
| 680-230805-4 | WAN-WGWC-12 | Total/NA | Water | PrecSep-21 | |
| 680-230805-5 | WAN-WGWC-13 | Total/NA | Water | PrecSep-21 | |
| 680-230805-6 | WAN-WGWC-14A | Total/NA | Water | PrecSep-21 | |
| 680-230805-7 | WAN-WGWC-17 | Total/NA | Water | PrecSep-21 | |
| 680-230805-8 | WAN-WGWC-19 | Total/NA | Water | PrecSep-21 | |
| 680-230805-9 | WAN-WGWC-20 | Total/NA | Water | PrecSep-21 | |
| 680-230805-10 | WAN-WGWC-21 | Total/NA | Water | PrecSep-21 | |
| 680-230805-11 | WAN-WGWC-26D | Total/NA | Water | PrecSep-21 | |
| 680-230805-12 | WAN-WGWC-27 | Total/NA | Water | PrecSep-21 | |
| 680-230805-13 | WAN-AP1-FD-02 | Total/NA | Water | PrecSep-21 | |
| 680-230805-14 | WAN-AP1-FD-03 | Total/NA | Water | PrecSep-21 | |
| 680-230805-15 | WAN-AP1-FB-08 | Total/NA | Water | PrecSep-21 | |
| 680-230805-16 | WAN-AP1-FB-09 | Total/NA | Water | PrecSep-21 | |
| 680-230805-17 | WAN-AP1-EB-02 | Total/NA | Water | PrecSep-21 | |
| 680-230805-18 | WAN-AP1-EB-03 | Total/NA | Water | PrecSep-21 | |
| MB 160-602054/1-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-602054/2-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| LCSD 160-602054/22-A | Lab Control Sample Dup | Total/NA | Water | PrecSep-21 | |

Prep Batch: 602055

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|-----------|------------|
| 680-230805-1 | WAN-WGWC-8 | Total/NA | Water | PrecSep_0 | |
| 680-230805-2 | WAN-WGWC-10 | Total/NA | Water | PrecSep_0 | |
| 680-230805-3 | WAN-WGWC-11 | Total/NA | Water | PrecSep_0 | |
| 680-230805-4 | WAN-WGWC-12 | Total/NA | Water | PrecSep_0 | |
| 680-230805-5 | WAN-WGWC-13 | Total/NA | Water | PrecSep_0 | |
| 680-230805-6 | WAN-WGWC-14A | Total/NA | Water | PrecSep_0 | |
| 680-230805-7 | WAN-WGWC-17 | Total/NA | Water | PrecSep_0 | |
| 680-230805-8 | WAN-WGWC-19 | Total/NA | Water | PrecSep_0 | |
| 680-230805-9 | WAN-WGWC-20 | Total/NA | Water | PrecSep_0 | |
| 680-230805-10 | WAN-WGWC-21 | Total/NA | Water | PrecSep_0 | |
| 680-230805-11 | WAN-WGWC-26D | Total/NA | Water | PrecSep_0 | |
| 680-230805-12 | WAN-WGWC-27 | Total/NA | Water | PrecSep_0 | |
| 680-230805-13 | WAN-AP1-FD-02 | Total/NA | Water | PrecSep_0 | |
| 680-230805-14 | WAN-AP1-FD-03 | Total/NA | Water | PrecSep_0 | |
| 680-230805-15 | WAN-AP1-FB-08 | Total/NA | Water | PrecSep_0 | |
| 680-230805-16 | WAN-AP1-FB-09 | Total/NA | Water | PrecSep_0 | |
| 680-230805-17 | WAN-AP1-EB-02 | Total/NA | Water | PrecSep_0 | |
| 680-230805-18 | WAN-AP1-EB-03 | Total/NA | Water | PrecSep_0 | |
| MB 160-602055/1-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-602055/2-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| LCSD 160-602055/22-A | Lab Control Sample Dup | Total/NA | Water | PrecSep_0 | |

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Client Sample ID: WAN-WGWC-8

Lab Sample ID: 680-230805-1

Date Collected: 02/16/23 14:52

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 1001.97 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 07:30 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 1001.97 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 603031 | 03/09/23 12:06 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWC-10

Lab Sample ID: 680-230805-2

Date Collected: 02/16/23 13:18

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 999.71 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 07:30 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 999.71 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 603031 | 03/09/23 12:06 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWC-11

Lab Sample ID: 680-230805-3

Date Collected: 02/16/23 11:55

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 999.06 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 07:30 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 999.06 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 603031 | 03/09/23 12:06 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWC-12

Lab Sample ID: 680-230805-4

Date Collected: 02/16/23 10:55

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 1002.38 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 07:30 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |

Eurofins Savannah

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Client Sample ID: WAN-WGWC-12

Lab Sample ID: 680-230805-4

Date Collected: 02/16/23 10:55

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep_0 | | | 1002.38 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 603031 | 03/09/23 12:06 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWC-13

Lab Sample ID: 680-230805-5

Date Collected: 02/16/23 15:25

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 997.32 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 07:30 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 997.32 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 603031 | 03/09/23 12:07 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWC-14A

Lab Sample ID: 680-230805-6

Date Collected: 02/16/23 13:30

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 997.13 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 07:30 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 997.13 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 603031 | 03/09/23 12:07 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWC-17

Lab Sample ID: 680-230805-7

Date Collected: 02/16/23 11:02

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 998.88 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 07:30 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 998.88 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 603031 | 03/09/23 12:07 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |

Eurofins Savannah

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Client Sample ID: WAN-WGWC-17

Lab Sample ID: 680-230805-7

Date Collected: 02/16/23 11:02

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |

Client Sample ID: WAN-WGWC-19

Lab Sample ID: 680-230805-8

Date Collected: 02/16/23 13:09

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 998.21 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 07:31 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 998.21 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 603031 | 03/09/23 12:07 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWC-20

Lab Sample ID: 680-230805-9

Date Collected: 02/16/23 10:05

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 996.74 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 07:31 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 996.74 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 603031 | 03/09/23 12:07 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWC-21

Lab Sample ID: 680-230805-10

Date Collected: 02/16/23 16:07

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 990.86 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 07:31 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 990.86 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 603031 | 03/09/23 12:07 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Client Sample ID: WAN-WGWC-26D

Lab Sample ID: 680-230805-11

Date Collected: 02/16/23 12:50

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 1006.23 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 09:40 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 1006.23 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 603031 | 03/09/23 12:07 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WGWC-27

Lab Sample ID: 680-230805-12

Date Collected: 02/16/23 15:25

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 1003.33 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 09:40 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 1003.33 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 603031 | 03/09/23 12:07 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-AP1-FD-02

Lab Sample ID: 680-230805-13

Date Collected: 02/16/23 00:00

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 995.22 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 09:40 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 995.22 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 603031 | 03/09/23 12:07 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-AP1-FD-03

Lab Sample ID: 680-230805-14

Date Collected: 02/16/23 00:00

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 996.09 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 09:40 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |

Eurofins Savannah

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Client Sample ID: WAN-AP1-FD-03
Date Collected: 02/16/23 00:00
Date Received: 02/18/23 06:30

Lab Sample ID: 680-230805-14
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep_0 | | | 996.09 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 603031 | 03/09/23 12:08 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-AP1-FB-08
Date Collected: 02/16/23 12:25
Date Received: 02/18/23 06:30

Lab Sample ID: 680-230805-15
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 1002.84 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 09:40 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 1002.84 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 603031 | 03/09/23 12:08 | FLC | EET SL |
| Instrument ID: GFPCBLUE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-AP1-FB-09
Date Collected: 02/16/23 15:55
Date Received: 02/18/23 06:30

Lab Sample ID: 680-230805-16
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 999.51 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 09:40 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 999.51 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 603030 | 03/09/23 12:09 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-AP1-EB-02
Date Collected: 02/16/23 09:10
Date Received: 02/18/23 06:30

Lab Sample ID: 680-230805-17
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 999.31 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 09:40 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 999.31 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | | | 603030 | 03/09/23 12:09 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |

Eurofins Savannah

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Client Sample ID: WAN-AP1-EB-02

Lab Sample ID: 680-230805-17

Date Collected: 02/16/23 09:10

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |

Client Sample ID: WAN-AP1-EB-03

Lab Sample ID: 680-230805-18

Date Collected: 02/16/23 16:15

Matrix: Water

Date Received: 02/18/23 06:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 998.60 mL | 1.0 g | 602054 | 03/01/23 12:06 | DJP | EET SL |
| Total/NA | Analysis | 9315 | | 1 | | | 605622 | 03/30/23 09:41 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Prep | PrecSep_0 | | | 998.60 mL | 1.0 g | 602055 | 03/01/23 12:23 | DJP | EET SL |
| Total/NA | Analysis | 9320 | | 1 | 1.0 mL | 1.0 mL | 603030 | 03/09/23 12:09 | FLC | EET SL |
| Instrument ID: GFPCPURPLE | | | | | | | | | | |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | | | 605732 | 03/30/23 17:59 | EMH | EET SL |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

Laboratory: Eurofins St. Louis

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Florida | NELAP | E87689 | 06-30-23 |

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Method Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-230805-2

| Method | Method Description | Protocol | Laboratory |
|-------------|--|----------|------------|
| 9315 | Radium-226 (GFPC) | SW846 | EET SL |
| 9320 | Radium-228 (GFPC) | SW846 | EET SL |
| Ra226_Ra228 | Combined Radium-226 and Radium-228 | TAL-STL | EET SL |
| PrecSep_0 | Preparation, Precipitate Separation | None | EET SL |
| PrecSep-21 | Preparation, Precipitate Separation (21-Day In-Growth) | None | EET SL |

Protocol References:

None = None

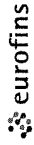
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Chain of Custody Record



Environment Testing
 America

244-ATLANTA

Carrier Tracking No(s): **COC No.**

Page: **1 of 2**

Job #:

Lab PM: **Fuller, David**

Client Contact: **A. Sullivan** ACC **D. Somerson**

Phone: **770 594 5998**

E-Mail: **david.fuller@et.eurofins.us.com**

Company: **GA Power**

Address: **241 Ralph McGill Blvd SE**

City: **Atlanta**

State: **GA**

Zip: **30308**

Phone: **404-506-7116(Tel)**

Email: **68027766**

PO #:

Project Name: **Plant Wansley Ash Pond**

Site:

| Sample Identification | Sample Date (mm/dd/yy) | Sample Time (hh:mm) | Sample Type (C=Comp, G=grab) | Matrix (Background, water, WQ-quality control) | Preservation Code | Analysis Requested | | | | | | | | | | Task Code | | | | | | | | | |
|-----------------------|------------------------|---------------------|------------------------------|--|-------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|--|-------------------------------------|--|--------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---|----------|---|
| | | | | | | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | App III Metals B, Ca | Cl, F, SO & TDS (EPA 300 & SM 2540C) | App IV Metals (EPA 60207470) | Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl | Radium 226 & 228 (SW-846 9315/9320) | Major Ions - Carbonate, Bicarbonate, Manganese, Potassium, Sulfide | Major Ions - Iron, Magnesium, Sodium | Chain of Custody | | | | | | | | | | |
| WAN-W6WC-8 | 02/16/23 | 1452 | G | WG | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 8 | pH= 5.22 | WAN-CCR-ASSMT-2023S1 |
| WAN-W6WC-16 | 02/16/23 | 1318 | G | WG | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 8 | pH= 6.39 | Special Instructions/Note Full APP III and APP IV |
| WAN-W6WC-11 | 02/16/23 | 1155 | G | WG | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 8 | pH= 5.67 | |
| WAN-W6WC-12 | 02/16/23 | 1055 | G | WG | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 8 | pH= 6.61 | |
| WAN-W6WC-13 | 02/16/23 | 1525 | G | WG | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 8 | pH= 6.27 | |
| WAN-W6WC-14A | 02/16/23 | 1336 | G | WG | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 8 | pH= 5.40 | |
| WAN-W6WC-17 | 02/16/23 | 1102 | G | WG | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 8 | pH= 6.28 | |
| WAN-W6WC-19 | 02/16/23 | 1309 | G | WG | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 8 | pH= 6.80 | |
| WAN-W6WC-20 | 02/16/23 | 1005 | G | WG | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 8 | pH= 5.17 | |
| WAN-W6WC-21 | 02/16/23 | 1607 | G | WG | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 8 | pH= 6.92 | |
| WAN-W6WC-26D | 02/16/23 | 1250 | G | WG | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 8 | pH= 5.52 | |

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

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

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: *David Fuller* Date/Time: 2/17/23 1427 Company: ACC

Relinquished by: *David Fuller* Date/Time: 2/17/23 1437 Company: ACC

Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: Yes No Delta

Custody Seal No: _____

Special Instructions/QC Requirements

Return To Client Disposal By Lab Archive For _____ Months

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Method of Shipment: _____

Received by: *David Fuller* Date/Time: 2-17-23 14:27 Company: ACC

Received by: *David Fuller* Date/Time: 2/18/23 0630 Company: ACC

Received by: _____ Date/Time: _____ Company: _____

Cooler Temperature(s) °C and Other Remarks: *1-4/1 0-1/0.1 0-2/0.9 0-6/0.6 1-4/1.4*

| | | | | | | | | | |
|---|--|--------------------------------------|--|---|--|---|--|---|--|
| Client Information | | Sampler: ACC A Schreyer D Solomon | | Lab PM Fuller David | | Carrier Tracking No(s) | | COC No: <u>1-2</u> | |
| Client Contact: SCS Contacts | | Phone: 770 594 5994 | | E-Mail: david.fuller@et.eurofins.com | | Page: 1 of 2 | | Job #: | |
| Company GA Power | | Due Date Requested | | Field Filtered Sample (Yes or No) | | Analysis Requested | | Preservation Codes: | |
| Address: 241 Ralph McGill Blvd SE | | TAT Requested (days) Standard | | Perform MS/MSD (Yes or No) | | Major Ions - Carbonate, Bicarbonate, Total Alkalinity | | A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other | |
| City: Atlanta | | Lab Project #: 68027766 | | App III Metals B, Ca | | Major Ions - Sulfide | | M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - MCAA V - Acetone W - pH 4-5 Z - other (specify) | |
| State, Zip: GA, 30308 | | PO #: | | App IV Metals (EPA 6020/470) | | Major Ions - Iron, Magnesium, Potassium, Sodium | | Task Code WAN-CCR-ASSMT-2023S1 | |
| Phone: 404-506-7116(Tel) | | Project #: | | Sb,As,Ba,Cd,Cr,Cu,Pb,LI,Hg,Mo,Se,Tl | | Radium 226 & 228 (SW-846 9315/9320) | | Special Instructions/Note Full APP III and APP IV | |
| Email: SCS Contacts / Geosyntec Contacts | | SSOW#: | | Cl, F, SO & TDS (EPA 300 & SM 2640C) | | Total Number of Containers | | | |
| Plant Name: Plant Wansley Ash Pond | | Sample Date (mm/dd/yy) | | Sample Time (hh:mm) | | Sample Type (C=comp, G=grab) | | Preservation Code | |
| Site: | | 02/16/23 | | 1525 | | G | | WG | |
| Sample Identification | | 02/16/23 | | / | | G | | W6 | |
| WAN- W6WC - 27 | | 02/16/23 | | / | | G | | W6 | |
| WAN- AP1 - FD - 02 | | 02/16/23 | | 1225 | | G | | WQ | |
| WAN- AP1 - FD - 03 | | 02/16/23 | | 1555 | | G | | WQ | |
| WAN- AP1 - FB - 08 | | 02/16/23 | | 0910 | | G | | WQ | |
| WAN- AP1 - FB - 09 | | 02/16/23 | | 1615 | | G | | WQ | |
| WAN- AP1 - EB - 02 | | | | | | G | | | |
| WAN- AP1 - EB - 03 | | | | | | G | | | |
| WAN- | | | | | | G | | | |
| WAN- | | | | | | G | | | |
| WAN- | | | | | | G | | | |
| WAN- | | | | | | G | | | |
| Possible Hazard Identification | | Date/Time: 2/17/23 1427 | | Company: ACC | | Received by: <i>[Signature]</i> | | Date/Time: 2/17/23 14:27 | |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant | | Date/Time: 2-17-23 14:27 | | Company: | | Received by: <i>[Signature]</i> | | Date/Time: 2/18/23 0630 | |
| <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological | | Date/Time: | | Company: | | Received by: | | Date/Time: | |
| Deliverable Requested I, II, III, IV, Other (specify) | | Date | | Time | | Method of Shipment: | | Special Instructions/QC Requirements | |
| Empty Kit Relinquished by | | Date | | Time | | Method of Shipment: | | Special Instructions/QC Requirements | |
| Relinquished by: <i>[Signature]</i> | | Date/Time: 2-17-23 1427 | | Company: ACC | | Received by: <i>[Signature]</i> | | Date/Time: 2/17/23 14:27 | |
| Relinquished by: <i>[Signature]</i> | | Date/Time: 2-17-23 14:27 | | Company: | | Received by: <i>[Signature]</i> | | Date/Time: 2/18/23 0630 | |
| Relinquished by: | | Date/Time: | | Company: | | Received by: | | Date/Time: | |
| Custody Seals Intact: Δ Yes Δ No | | Custody Seal No | | Cooler Temperature(s) and Other Remarks: 1:11:1 0-10.1 0 9/0.7 0-6/0.6 1-4/1-4 | | Ver: 01/16/2019 | | | |



Chain of Custody Record



| Client Information (Sub Contract Lab) | | Lab PM: Fuller, David | Carrier Tracking No(s): 680-727942.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------------------------|---|---|-------------------------|-----------------------------------|---|--------------------------------|---|----------------------------|----------------------------|---------|---------------|-------|-------|---|----------------------------|---------|---------------|-------|-------|---|----------------------------|---------|---------------|-------|-------|---|----------------------------|---------|---------------|-------|-------|---|----------------------------|---------|---------------|-------|-------|---|-----------------------------|---------|---------------|-------|-------|--|----------------------------|---------|---------------|-------|-------|---|----------------------------|---------|---------------|-------|-------|---|----------------------------|---------|---------------|-------|-------|---|---|---|--|---|---|---|---|---|---|--|---|---|---|---|---|---|--|
| Client Contact Shipping/Receiving | | E-Mail: David.Fuller@eurofins.com | Page: Page 1 of 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company TestAmerica Laboratories, Inc. | | Job # 680-230805-2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address 13715 Rider Trail North, | | Accreditations Required (See note): NELAP - Florida, State - Georgia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City | Due Date Requested: 3/30/2023 | Analysis Requested | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| State, Zip MO, 63045 | TAT Requested (days): | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone 314-298-8566(Tel) 314-298-8757(Fax) | PO # | <table border="1"> <tr> <th>Form MS/MSD (Yes or No)</th> <th>Field Filtered Sample (Yes or No)</th> <th>Radium-226</th> <th>9320_Ra228/Presep_0 Radium 228</th> <th>9315_Ra226/Presep_21 Radium 226</th> <th>Total Number of Containers</th> <th>Special Instructions/Note:</th> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> </table> | | Form MS/MSD (Yes or No) | Field Filtered Sample (Yes or No) | Radium-226 | 9320_Ra228/Presep_0 Radium 228 | 9315_Ra226/Presep_21 Radium 226 | Total Number of Containers | Special Instructions/Note: | X | X | X | X | X | 2 | | X | X | X | X | X | 2 | | X | X | X | X | X | 2 | | X | X | X | X | X | 2 | | X | X | X | X | X | 2 | | X | X | X | X | X | 2 | | X | X | X | X | X | 2 | | X | X | X | X | X | 2 | | X | X | X | X | X | 2 | | X | X | X | X | X | 2 | |
| Form MS/MSD (Yes or No) | Field Filtered Sample (Yes or No) | | | Radium-226 | 9320_Ra228/Presep_0 Radium 228 | 9315_Ra226/Presep_21 Radium 226 | Total Number of Containers | Special Instructions/Note: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Email | WO # | <table border="1"> <tr> <th>Sample ID (Lab ID)</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=grab)</th> <th>Matrix (W=Water, S=Solid, O=Wastewater, I=Ice, T=Tissue, A=Air)</th> <th>Preservation Code</th> </tr> <tr> <td>WAN-WGWC-8 (680-230805-1)</td> <td>2/16/23</td> <td>14:52 Eastern</td> <td>Water</td> <td>Water</td> <td></td> </tr> <tr> <td>WAN-WGWC-10 (680-230805-2)</td> <td>2/16/23</td> <td>13:18 Eastern</td> <td>Water</td> <td>Water</td> <td></td> </tr> <tr> <td>WAN-WGWC-11 (680-230805-3)</td> <td>2/16/23</td> <td>11:55 Eastern</td> <td>Water</td> <td>Water</td> <td></td> </tr> <tr> <td>WAN-WGWC-12 (680-230805-4)</td> <td>2/16/23</td> <td>10:55 Eastern</td> <td>Water</td> <td>Water</td> <td></td> </tr> <tr> <td>WAN-WGWC-13 (680-230805-5)</td> <td>2/16/23</td> <td>15:25 Eastern</td> <td>Water</td> <td>Water</td> <td></td> </tr> <tr> <td>WAN-WGWC-14A (680-230805-6)</td> <td>2/16/23</td> <td>13:30 Eastern</td> <td>Water</td> <td>Water</td> <td></td> </tr> <tr> <td>WAN-WGWC-17 (680-230805-7)</td> <td>2/16/23</td> <td>11:02 Eastern</td> <td>Water</td> <td>Water</td> <td></td> </tr> <tr> <td>WAN-WGWC-19 (680-230805-8)</td> <td>2/16/23</td> <td>13:09 Eastern</td> <td>Water</td> <td>Water</td> <td></td> </tr> <tr> <td>WAN-WGWC-20 (680-230805-9)</td> <td>2/16/23</td> <td>10:05 Eastern</td> <td>Water</td> <td>Water</td> <td></td> </tr> </table> | | Sample ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=Water, S=Solid, O=Wastewater, I=Ice, T=Tissue, A=Air) | Preservation Code | WAN-WGWC-8 (680-230805-1) | 2/16/23 | 14:52 Eastern | Water | Water | | WAN-WGWC-10 (680-230805-2) | 2/16/23 | 13:18 Eastern | Water | Water | | WAN-WGWC-11 (680-230805-3) | 2/16/23 | 11:55 Eastern | Water | Water | | WAN-WGWC-12 (680-230805-4) | 2/16/23 | 10:55 Eastern | Water | Water | | WAN-WGWC-13 (680-230805-5) | 2/16/23 | 15:25 Eastern | Water | Water | | WAN-WGWC-14A (680-230805-6) | 2/16/23 | 13:30 Eastern | Water | Water | | WAN-WGWC-17 (680-230805-7) | 2/16/23 | 11:02 Eastern | Water | Water | | WAN-WGWC-19 (680-230805-8) | 2/16/23 | 13:09 Eastern | Water | Water | | WAN-WGWC-20 (680-230805-9) | 2/16/23 | 10:05 Eastern | Water | Water | | | | | | | | | | | | | | | | | | |
| Sample ID (Lab ID) | Sample Date | | | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=Water, S=Solid, O=Wastewater, I=Ice, T=Tissue, A=Air) | Preservation Code | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WAN-WGWC-8 (680-230805-1) | 2/16/23 | 14:52 Eastern | Water | Water | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WAN-WGWC-10 (680-230805-2) | 2/16/23 | 13:18 Eastern | Water | Water | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WAN-WGWC-11 (680-230805-3) | 2/16/23 | 11:55 Eastern | Water | Water | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WAN-WGWC-12 (680-230805-4) | 2/16/23 | 10:55 Eastern | Water | Water | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WAN-WGWC-13 (680-230805-5) | 2/16/23 | 15:25 Eastern | Water | Water | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WAN-WGWC-14A (680-230805-6) | 2/16/23 | 13:30 Eastern | Water | Water | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WAN-WGWC-17 (680-230805-7) | 2/16/23 | 11:02 Eastern | Water | Water | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WAN-WGWC-19 (680-230805-8) | 2/16/23 | 13:09 Eastern | Water | Water | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WAN-WGWC-20 (680-230805-9) | 2/16/23 | 10:05 Eastern | Water | Water | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name Plant Wansley - Ash Pond | Project # 68027766 | <p>Preservation Codes:</p> <p>A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Site | SSON# | <p>Other:</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Sample Identification - Client ID (Lab ID)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Possible Hazard Identification</p> <p>Unconfirmed</p> <p>Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2</p> <p>Empty Kit Relinquished by: _____ Date: _____</p> <p>Relinquished by: _____ Date/Time: _____ Method of Shipment: _____</p> <p>Relinquished by: FEDGX Date/Time: _____ Company: _____</p> <p>Relinquished by: Brown Date/Time: _____ Company: Shantley - Shantley</p> <p>Custody Seals Intact: _____ Cooler Temperature(s) °C and Other Remarks: _____</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</p> <p><input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months</p> <p>Special Instructions/QC Requirements:</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Chain of Custody Record



| Client Information (Sub Contract Lab) | | Lab PM | Carrier Tracking No(s) | COB No. | | | | | | |
|--|-------------|--------------------------------------|--|---|-----------------------------------|----------------------------|--|---------------------------------|----------------------------|----------------------------|
| Client Contact | | Fuller, David | | 680-727942.2 | | | | | | |
| Shipping/Receiving | | E-Mail: David.Fuller@et.eurofins.com | State of Origin: Georgia | Page: Page 2 of 2 | | | | | | |
| Company | | TestAmerica Laboratories, Inc. | Accreditations Required (See note): NELAP - Florida; State - Georgia | Job #: 680-230805-2 | | | | | | |
| Address | | 13715 Rider Trail North, | | | | | | | | |
| City | | | | | | | | | | |
| Earth City | | | | | | | | | | |
| State, Zip | | MO, 63045 | | | | | | | | |
| Phone | | 314-298-8566(Tel) 314-298-8757(Fax) | | | | | | | | |
| Email: | | | | | | | | | | |
| Project Name | | Plant Wansley - Ash Pond | | | | | | | | |
| Site | | | | | | | | | | |
| Due Date Requested: | | 3/30/2023 | | | | | | | | |
| TAT Requested (days): | | | | | | | | | | |
| PO #: | | | | | | | | | | |
| WO #: | | | | | | | | | | |
| Project #: | | 68027766 | | | | | | | | |
| SSOW#: | | | | | | | | | | |
| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=soil/sediment, BT=tissue, AA=air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | Radium 226/PreSep, 0 Radium 228 and Radium 228 | 9315_Ra226/PreSep_21 Radium 226 | Total Number of Containers | Special Instructions/Note: |
| WAN-WGWC-21 (680-230805-10) | 2/16/23 | 16:07 Eastern | Water | Water | X | X | X | X | 2 | |
| WAN-WGWC-26D (680-230805-11) | 2/16/23 | 12:50 Eastern | Water | Water | X | X | X | X | 2 | |
| WAN-WGWC-27 (680-230805-12) | 2/16/23 | 15:25 Eastern | Water | Water | X | X | X | X | 2 | |
| WAN-AP1-FD-02 (680-230805-13) | 2/16/23 | Eastern | Water | Water | X | X | X | X | 2 | |
| WAN-AP1-FD-03 (680-230805-14) | 2/16/23 | Eastern | Water | Water | X | X | X | X | 2 | |
| WAN-AP1-FB-08 (680-230805-15) | 2/16/23 | 12:25 Eastern | Water | Water | X | X | X | X | 2 | |
| WAN-AP1-FB-09 (680-230805-16) | 2/16/23 | 15:55 Eastern | Water | Water | X | X | X | X | 2 | |
| WAN-AP1-EB-02 (680-230805-17) | 2/16/23 | 09:10 Eastern | Water | Water | X | X | X | X | 2 | |
| WAN-AP1-EB-03 (680-230805-18) | 2/16/23 | 16:15 Eastern | Water | Water | X | X | X | X | 2 | 36 |

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

Possible Hazard Identification

Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Relinquished by: **FedEx** Date/Time: _____ Company: **FedEx**

Relinquished by: **Bruna Sharkey - Monahan** Date/Time: **2/23/23 0955** Company: **ETA STL**

Custody Seals Intact: _____ (Custody Seal No.: _____)

Δ Yes Δ No

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements:

Received by: _____ Date/Time: _____ Company: _____

Received by: **FedEx** Date/Time: _____ Company: **FedEx**

Received by: **Bruna Sharkey - Monahan** Date/Time: **2/23/23 0955** Company: **ETA STL**

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230805-2

Login Number: 230805

List Source: Eurofins Savannah

List Number: 1

Creator: Johnson, Corey M

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230805-2

Login Number: 230805

List Source: Eurofins St. Louis

List Number: 2

List Creation: 02/22/23 11:47 AM

Creator: Sharkey-Gonzalez, Briana L

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



 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 5/18/2023 3:21:58 PM

JOB DESCRIPTION

Plant Wansley Ash Pond - Risk Evaluation

JOB NUMBER

680-235017-1

Eurofins Savannah

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

Generated
5/18/2023 3:21:58 PM

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

Qualifiers

Metals

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

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Sample Summary

Client: Southern Company
Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 680-235017-1 | WAN-WCR (+0.1) | Water | 05/15/23 12:40 | 05/16/23 10:00 |
| 680-235017-2 | WAN-WCR (+1.9) | Water | 05/15/23 13:05 | 05/16/23 10:00 |
| 680-235017-3 | WAN-WCR (-0.6) | Water | 05/15/23 12:10 | 05/16/23 10:00 |

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Case Narrative

Client: Southern Company
Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

Job ID: 680-235017-1

Laboratory: Eurofins Savannah

Narrative

**Job Narrative
680-235017-1**

Receipt

The samples were received on 5/16/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

Metals

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

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Client Sample Results

Client: Southern Company
 Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

Client Sample ID: WAN-WCR (+0.1)

Lab Sample ID: 680-235017-1

Date Collected: 05/15/23 12:40

Matrix: Water

Date Received: 05/16/23 10:00

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|---------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 05/17/23 06:13 | 05/17/23 14:02 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|---------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Lithium, Dissolved | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 05/17/23 08:24 | 05/17/23 14:38 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 6.59 | | | | SU | | | 05/15/23 12:40 | 1 |

Client Sample ID: WAN-WCR (+1.9)

Lab Sample ID: 680-235017-2

Date Collected: 05/15/23 13:05

Matrix: Water

Date Received: 05/16/23 10:00

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Lithium | 0.0020 | J | 0.0050 | 0.0020 | mg/L | | 05/17/23 06:13 | 05/17/23 14:06 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|---------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Lithium, Dissolved | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 05/17/23 08:24 | 05/17/23 14:50 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 6.71 | | | | SU | | | 05/15/23 13:05 | 1 |

Client Sample ID: WAN-WCR (-0.6)

Lab Sample ID: 680-235017-3

Date Collected: 05/15/23 12:10

Matrix: Water

Date Received: 05/16/23 10:00

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|---------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 05/17/23 06:13 | 05/17/23 14:10 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|---------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Lithium, Dissolved | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 05/17/23 08:24 | 05/17/23 14:54 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 6.60 | | | | SU | | | 05/15/23 12:10 | 1 |

QC Sample Results

Client: Southern Company
 Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-778986/1-A
Matrix: Water
Analysis Batch: 779220

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 778986

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|--------|--------|------|---|----------------|----------------|---------|
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 05/17/23 06:13 | 05/17/23 13:33 | 1 |

Lab Sample ID: LCS 680-778986/2-A
Matrix: Water
Analysis Batch: 779220

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 778986

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Lithium | 0.500 | 0.489 | | mg/L | | 98 | 80 - 120 |

Lab Sample ID: 680-234998-I-4-E MS
Matrix: Water
Analysis Batch: 779220

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 778986

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Lithium | 0.0042 | J | 0.500 | 0.485 | | mg/L | | 96 | 75 - 125 |

Lab Sample ID: 680-234998-I-4-F MSD
Matrix: Water
Analysis Batch: 779220

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 778986

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Lithium | 0.0042 | J | 0.500 | 0.509 | | mg/L | | 101 | 75 - 125 | 5 | 20 |

Lab Sample ID: MB 680-779021/1-B
Matrix: Water
Analysis Batch: 779220

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 779038

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|-----------|--------------|--------|--------|------|---|----------------|----------------|---------|
| Lithium, Dissolved | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 05/17/23 08:24 | 05/17/23 14:30 | 1 |

Lab Sample ID: LCS 680-779021/2-B
Matrix: Water
Analysis Batch: 779220

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 779038

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------|-------------|------------|---------------|------|---|------|-------------|
| Lithium, Dissolved | 0.500 | 0.487 | | mg/L | | 97 | 80 - 120 |

Lab Sample ID: 680-235017-1 MS
Matrix: Water
Analysis Batch: 779220

Client Sample ID: WAN-WCR (+0.1)
Prep Type: Dissolved
Prep Batch: 779038

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Lithium, Dissolved | <0.0020 | | 0.500 | 0.487 | | mg/L | | 97 | 75 - 125 |

Lab Sample ID: 680-235017-1 MSD
Matrix: Water
Analysis Batch: 779220

Client Sample ID: WAN-WCR (+0.1)
Prep Type: Dissolved
Prep Batch: 779038

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Lithium, Dissolved | <0.0020 | | 0.500 | 0.474 | | mg/L | | 95 | 75 - 125 | 3 | 20 |

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QC Association Summary

Client: Southern Company
 Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

Metals

Prep Batch: 778986

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-------------------|--------|--------|------------|
| 680-235017-1 | WAN-WCR (+0.1) | Total Recoverable | Water | 3005A | |
| 680-235017-2 | WAN-WCR (+1.9) | Total Recoverable | Water | 3005A | |
| 680-235017-3 | WAN-WCR (-0.6) | Total Recoverable | Water | 3005A | |
| MB 680-778986/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 680-778986/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| 680-234998-I-4-E MS | Matrix Spike | Total Recoverable | Water | 3005A | |
| 680-234998-I-4-F MSD | Matrix Spike Duplicate | Total Recoverable | Water | 3005A | |

Filtration Batch: 779021

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|------------|------------|
| 680-235017-1 | WAN-WCR (+0.1) | Dissolved | Water | FILTRATION | |
| 680-235017-2 | WAN-WCR (+1.9) | Dissolved | Water | FILTRATION | |
| 680-235017-3 | WAN-WCR (-0.6) | Dissolved | Water | FILTRATION | |
| MB 680-779021/1-B | Method Blank | Dissolved | Water | FILTRATION | |
| LCS 680-779021/2-B | Lab Control Sample | Dissolved | Water | FILTRATION | |
| 680-235017-1 MS | WAN-WCR (+0.1) | Dissolved | Water | FILTRATION | |
| 680-235017-1 MSD | WAN-WCR (+0.1) | Dissolved | Water | FILTRATION | |

Prep Batch: 779038

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-235017-1 | WAN-WCR (+0.1) | Dissolved | Water | 3005A | 779021 |
| 680-235017-2 | WAN-WCR (+1.9) | Dissolved | Water | 3005A | 779021 |
| 680-235017-3 | WAN-WCR (-0.6) | Dissolved | Water | 3005A | 779021 |
| MB 680-779021/1-B | Method Blank | Dissolved | Water | 3005A | 779021 |
| LCS 680-779021/2-B | Lab Control Sample | Dissolved | Water | 3005A | 779021 |
| 680-235017-1 MS | WAN-WCR (+0.1) | Dissolved | Water | 3005A | 779021 |
| 680-235017-1 MSD | WAN-WCR (+0.1) | Dissolved | Water | 3005A | 779021 |

Analysis Batch: 779220

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-------------------|--------|--------|------------|
| 680-235017-1 | WAN-WCR (+0.1) | Dissolved | Water | 6020B | 779038 |
| 680-235017-1 | WAN-WCR (+0.1) | Total Recoverable | Water | 6020B | 778986 |
| 680-235017-2 | WAN-WCR (+1.9) | Dissolved | Water | 6020B | 779038 |
| 680-235017-2 | WAN-WCR (+1.9) | Total Recoverable | Water | 6020B | 778986 |
| 680-235017-3 | WAN-WCR (-0.6) | Dissolved | Water | 6020B | 779038 |
| 680-235017-3 | WAN-WCR (-0.6) | Total Recoverable | Water | 6020B | 778986 |
| MB 680-778986/1-A | Method Blank | Total Recoverable | Water | 6020B | 778986 |
| MB 680-779021/1-B | Method Blank | Dissolved | Water | 6020B | 779038 |
| LCS 680-778986/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 778986 |
| LCS 680-779021/2-B | Lab Control Sample | Dissolved | Water | 6020B | 779038 |
| 680-234998-I-4-E MS | Matrix Spike | Total Recoverable | Water | 6020B | 778986 |
| 680-234998-I-4-F MSD | Matrix Spike Duplicate | Total Recoverable | Water | 6020B | 778986 |
| 680-235017-1 MS | WAN-WCR (+0.1) | Dissolved | Water | 6020B | 779038 |
| 680-235017-1 MSD | WAN-WCR (+0.1) | Dissolved | Water | 6020B | 779038 |

Field Service / Mobile Lab

Analysis Batch: 778983

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------------|------------|
| 680-235017-1 | WAN-WCR (+0.1) | Total/NA | Water | Field Sampling | |
| 680-235017-2 | WAN-WCR (+1.9) | Total/NA | Water | Field Sampling | |

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QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

Field Service / Mobile Lab (Continued)

Analysis Batch: 778983 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------------|------------|
| 680-235017-3 | WAN-WCR (-0.6) | Total/NA | Water | Field Sampling | |

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Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

Client Sample ID: WAN-WCR (+0.1)

Lab Sample ID: 680-235017-1

Date Collected: 05/15/23 12:40

Matrix: Water

Date Received: 05/16/23 10:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Dissolved | Filtration | FILTRATION | | | 25 mL | 125 mL | 779021 | 05/17/23 08:24 | RR | EET SAV |
| Dissolved | Prep | 3005A | | | 25 mL | 125 mL | 779038 | 05/17/23 08:24 | RR | EET SAV |
| Dissolved | Analysis | 6020B | | 1 | | | 779220 | 05/17/23 14:38 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 778986 | 05/17/23 06:13 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 779220 | 05/17/23 14:02 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Analysis | Field Sampling | | 1 | | | 778983 | 05/15/23 12:40 | T1C | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WCR (+1.9)

Lab Sample ID: 680-235017-2

Date Collected: 05/15/23 13:05

Matrix: Water

Date Received: 05/16/23 10:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Dissolved | Filtration | FILTRATION | | | 25 mL | 125 mL | 779021 | 05/17/23 08:24 | RR | EET SAV |
| Dissolved | Prep | 3005A | | | 25 mL | 125 mL | 779038 | 05/17/23 08:24 | RR | EET SAV |
| Dissolved | Analysis | 6020B | | 1 | | | 779220 | 05/17/23 14:50 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 778986 | 05/17/23 06:13 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 779220 | 05/17/23 14:06 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Analysis | Field Sampling | | 1 | | | 778983 | 05/15/23 13:05 | T1C | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WCR (-0.6)

Lab Sample ID: 680-235017-3

Date Collected: 05/15/23 12:10

Matrix: Water

Date Received: 05/16/23 10:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Dissolved | Filtration | FILTRATION | | | 25 mL | 125 mL | 779021 | 05/17/23 08:24 | RR | EET SAV |
| Dissolved | Prep | 3005A | | | 25 mL | 125 mL | 779038 | 05/17/23 08:24 | RR | EET SAV |
| Dissolved | Analysis | 6020B | | 1 | | | 779220 | 05/17/23 14:54 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 778986 | 05/17/23 06:13 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 779220 | 05/17/23 14:10 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Analysis | Field Sampling | | 1 | | | 778983 | 05/15/23 12:10 | T1C | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Laboratory References:

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

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Florida | NELAP | E87052 | 06-30-23 |
| Georgia | State | E87052 | 06-30-23 |

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Method Summary

Client: Southern Company
Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

| Method | Method Description | Protocol | Laboratory |
|----------------|--|----------|------------|
| 6020B | Metals (ICP/MS) | SW846 | EET SAV |
| Field Sampling | Field Sampling | EPA | EET SAV |
| 3005A | Preparation, Total Recoverable or Dissolved Metals | SW846 | EET SAV |
| FILTRATION | Sample Filtration | None | EET SAV |

Protocol References:

EPA = US Environmental Protection Agency

None = None

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

Laboratory References:

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



Chain of Custody Record

| Client Information | | | | | Sampler: <u>ACC</u> | | Lab PM: <u>Fuller, David</u> | | Carrier Tracking No(s): | | | COC No: | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------------|---------|-----------------------------------|--|--|-----------------------------|---|--|-------------------------------------|--|-----------------------------|-----------------------------------|----------------------------|--|--------|--------|-----------------------------------|----------------------------|---------------|-----------------------------------|----------|----------|--------|-----------|-----------|---------|-----------------|-----------------------|-------|-----------|------------|----------|---------------------|------------|-------|-------------------|
| Client Contact: SCS Contacts | | | | | Phone: <u>770-594-5448</u> | | E-Mail: <u>david.fuller@et.eurofinsus.com</u> | | | | | Page: | | | | | | | | | | | | | | | | | | | | | | | | |
| Company: GA Power | | | | | Analysis Requested | | | | | | | Job #: | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: 241 Ralph McGill Blvd SE | | | | | | | | | | | | Due Date Requested: | | <table border="1"> <tr><td>Field Filtered Sample (Yes or No)</td><td>Perform MS/MSD (Yes or No)</td><td>Lithium</td><td>Dissolved Lithium (lab to filter)</td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> </table> | | | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | Lithium | Dissolved Lithium (lab to filter) | | | | | | | | | | | | | Preservation Codes: | | | |
| Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | Lithium | Dissolved Lithium (lab to filter) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Atlanta | | | | | TAT Requested (days): 5-day TAT | | | | | <table border="0"> <tr><td>A HCL</td><td>M - Hexane</td></tr> <tr><td>B NaOH</td><td>N None</td></tr> <tr><td>C Zn Acetate</td><td>O AsNaO2</td></tr> <tr><td>D Nitric Acid</td><td>P - Na2O4S</td></tr> <tr><td>E NaHSO4</td><td>Q Na2SO3</td></tr> <tr><td>F MeOH</td><td>R Na2S2O3</td></tr> <tr><td>G Amchlor</td><td>S H2SO4</td></tr> <tr><td>H Ascorbic Acid</td><td>T - TSP Dodecahydrate</td></tr> <tr><td>I Ice</td><td>U Acetone</td></tr> <tr><td>J DI Water</td><td>V - MCAA</td></tr> <tr><td>K EDTA</td><td>W - pH 4-5</td></tr> <tr><td>L EDA</td><td>Z other (specify)</td></tr> </table> | | | A HCL | M - Hexane | B NaOH | N None | C Zn Acetate | O AsNaO2 | D Nitric Acid | P - Na2O4S | E NaHSO4 | Q Na2SO3 | F MeOH | R Na2S2O3 | G Amchlor | S H2SO4 | H Ascorbic Acid | T - TSP Dodecahydrate | I Ice | U Acetone | J DI Water | V - MCAA | K EDTA | W - pH 4-5 | L EDA | Z other (specify) |
| A HCL | M - Hexane | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B NaOH | N None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C Zn Acetate | O AsNaO2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D Nitric Acid | P - Na2O4S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E NaHSO4 | Q Na2SO3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F MeOH | R Na2S2O3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G Amchlor | S H2SO4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H Ascorbic Acid | T - TSP Dodecahydrate | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I Ice | U Acetone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J DI Water | V - MCAA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K EDTA | W - pH 4-5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L EDA | Z other (specify) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| State Zip: GA, 30308 | | | | | Lab Project #: 68027766 | | | | | Other: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone: 404-506-7116(Tel) | | | | | PO #: | | | | | Task Code: WAN-CSURF-ASSMT-2023S1 Special Instructions/Note: If Dissolved Metals required, lab to filter | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Email: SCS Contacts / Geosyntec Contacts / ACC Contacts | | | | | Project #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Plant Wansley Ash Pond - Risk Evaluation | | | | | SSOW#: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Site: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Identification | | | | | Sample Date (mm/dd/yy) | Sample Time (hhmm) | Sample Type (C=Comp, G=grab) | Matrix (WG=ground water WS=surface water WQ=quality control) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | Lithium | Dissolved Lithium (lab to filter) | Total Number of containers | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Preservation Code | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | D | N | | | | | | | | | | | | | | | | | | | | | | | | |
| WAN- WCR(+0.1) | | | | | 5/15/23 | 1250 | G | WS | N | N | ✓ | ✓ | pH= 6.59 | | | | | | | | | | | | | | | | | | | | | | | |
| WAN- WCR(+1.9) | | | | | 5/15/23 | 1305 | G | WS | N | N | ✓ | ✓ | pH= 6.71 | | | | | | | | | | | | | | | | | | | | | | | |
| WAN- WCR(-0.6) | | | | | 5/15/23 | 1210 | G | WS | N | N | ✓ | ✓ | pH= 6.60 | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Possible Hazard Identification | | | | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological | | | | | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deliverable Requested I, II, III, IV, Other (specify) | | | | | Special Instructions/QC Requirements Do NOT report to MDL, and do NOT include J-flagged data | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Empty Kit Relinquished by: | | | | | Date | Time | Method of Shipment: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: <u>[Signature]</u> | | | | | Date/Time: <u>5/15/23 1526</u> | Company: <u>ACC</u> | Received by: <u>[Signature]</u> | | | Date/Time: <u>5/15/23 1526</u> | Company: <u>[Signature]</u> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: <u>[Signature]</u> | | | | | Date/Time: <u>3/15/23 1526</u> | Company: <u>[Signature]</u> | Received by: <u>[Signature]</u> | | | Date/Time: <u>5/16/23 10.00</u> | Company: <u>Eurofins</u> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: | | | | | Date/Time: | Company: | Received by: | | | Date/Time: | Company: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | Custody Seal No | | | | | Cooler Temperature(s) °C and Other Remarks: <u>3.4 3.2</u> | | | | | | | | | | | | | | | | | | | | | | | | | | |



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-235017-1

Login Number: 235017

List Number: 1

Creator: Drake, Victoria

List Source: Eurofins Savannah

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/18/2023 3:21:58 PM

JOB DESCRIPTION

Plant Wansley Ash Pond - Risk Evaluation

JOB NUMBER

680-235017-1

Eurofins Savannah

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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5/18/2023 3:21:58 PM

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

Qualifiers

Metals

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

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Sample Summary

Client: Southern Company
Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 680-235017-1 | WAN-WCR (+0.1) | Water | 05/15/23 12:40 | 05/16/23 10:00 |
| 680-235017-2 | WAN-WCR (+1.9) | Water | 05/15/23 13:05 | 05/16/23 10:00 |
| 680-235017-3 | WAN-WCR (-0.6) | Water | 05/15/23 12:10 | 05/16/23 10:00 |

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Case Narrative

Client: Southern Company
Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

Job ID: 680-235017-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-235017-1

Receipt

The samples were received on 5/16/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

Metals

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

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Client Sample Results

Client: Southern Company
 Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

Client Sample ID: WAN-WCR (+0.1)

Lab Sample ID: 680-235017-1

Date Collected: 05/15/23 12:40

Matrix: Water

Date Received: 05/16/23 10:00

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|---------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 05/17/23 06:13 | 05/17/23 14:02 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|---------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Lithium, Dissolved | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 05/17/23 08:24 | 05/17/23 14:38 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 6.59 | | | | SU | | | 05/15/23 12:40 | 1 |

Client Sample ID: WAN-WCR (+1.9)

Lab Sample ID: 680-235017-2

Date Collected: 05/15/23 13:05

Matrix: Water

Date Received: 05/16/23 10:00

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Lithium | 0.0020 | J | 0.0050 | 0.0020 | mg/L | | 05/17/23 06:13 | 05/17/23 14:06 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|---------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Lithium, Dissolved | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 05/17/23 08:24 | 05/17/23 14:50 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 6.71 | | | | SU | | | 05/15/23 13:05 | 1 |

Client Sample ID: WAN-WCR (-0.6)

Lab Sample ID: 680-235017-3

Date Collected: 05/15/23 12:10

Matrix: Water

Date Received: 05/16/23 10:00

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|---------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 05/17/23 06:13 | 05/17/23 14:10 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|---------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Lithium, Dissolved | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 05/17/23 08:24 | 05/17/23 14:54 | 1 |

Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Field pH | 6.60 | | | | SU | | | 05/15/23 12:10 | 1 |

QC Sample Results

Client: Southern Company
 Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-778986/1-A
Matrix: Water
Analysis Batch: 779220

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 778986

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|--------|--------|------|---|----------------|----------------|---------|
| Lithium | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 05/17/23 06:13 | 05/17/23 13:33 | 1 |

Lab Sample ID: LCS 680-778986/2-A
Matrix: Water
Analysis Batch: 779220

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 778986

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Lithium | 0.500 | 0.489 | | mg/L | | 98 | 80 - 120 |

Lab Sample ID: 680-234998-I-4-E MS
Matrix: Water
Analysis Batch: 779220

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 778986

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Lithium | 0.0042 | J | 0.500 | 0.485 | | mg/L | | 96 | 75 - 125 |

Lab Sample ID: 680-234998-I-4-F MSD
Matrix: Water
Analysis Batch: 779220

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 778986

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Lithium | 0.0042 | J | 0.500 | 0.509 | | mg/L | | 101 | 75 - 125 | 5 | 20 |

Lab Sample ID: MB 680-779021/1-B
Matrix: Water
Analysis Batch: 779220

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 779038

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|-----------|--------------|--------|--------|------|---|----------------|----------------|---------|
| Lithium, Dissolved | <0.0020 | | 0.0050 | 0.0020 | mg/L | | 05/17/23 08:24 | 05/17/23 14:30 | 1 |

Lab Sample ID: LCS 680-779021/2-B
Matrix: Water
Analysis Batch: 779220

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 779038

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------|-------------|------------|---------------|------|---|------|-------------|
| Lithium, Dissolved | 0.500 | 0.487 | | mg/L | | 97 | 80 - 120 |

Lab Sample ID: 680-235017-1 MS
Matrix: Water
Analysis Batch: 779220

Client Sample ID: WAN-WCR (+0.1)
Prep Type: Dissolved
Prep Batch: 779038

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Lithium, Dissolved | <0.0020 | | 0.500 | 0.487 | | mg/L | | 97 | 75 - 125 |

Lab Sample ID: 680-235017-1 MSD
Matrix: Water
Analysis Batch: 779220

Client Sample ID: WAN-WCR (+0.1)
Prep Type: Dissolved
Prep Batch: 779038

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Lithium, Dissolved | <0.0020 | | 0.500 | 0.474 | | mg/L | | 95 | 75 - 125 | 3 | 20 |

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QC Association Summary

Client: Southern Company
 Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

Metals

Prep Batch: 778986

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-------------------|--------|--------|------------|
| 680-235017-1 | WAN-WCR (+0.1) | Total Recoverable | Water | 3005A | |
| 680-235017-2 | WAN-WCR (+1.9) | Total Recoverable | Water | 3005A | |
| 680-235017-3 | WAN-WCR (-0.6) | Total Recoverable | Water | 3005A | |
| MB 680-778986/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 680-778986/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| 680-234998-I-4-E MS | Matrix Spike | Total Recoverable | Water | 3005A | |
| 680-234998-I-4-F MSD | Matrix Spike Duplicate | Total Recoverable | Water | 3005A | |

Filtration Batch: 779021

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|------------|------------|
| 680-235017-1 | WAN-WCR (+0.1) | Dissolved | Water | FILTRATION | |
| 680-235017-2 | WAN-WCR (+1.9) | Dissolved | Water | FILTRATION | |
| 680-235017-3 | WAN-WCR (-0.6) | Dissolved | Water | FILTRATION | |
| MB 680-779021/1-B | Method Blank | Dissolved | Water | FILTRATION | |
| LCS 680-779021/2-B | Lab Control Sample | Dissolved | Water | FILTRATION | |
| 680-235017-1 MS | WAN-WCR (+0.1) | Dissolved | Water | FILTRATION | |
| 680-235017-1 MSD | WAN-WCR (+0.1) | Dissolved | Water | FILTRATION | |

Prep Batch: 779038

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-235017-1 | WAN-WCR (+0.1) | Dissolved | Water | 3005A | 779021 |
| 680-235017-2 | WAN-WCR (+1.9) | Dissolved | Water | 3005A | 779021 |
| 680-235017-3 | WAN-WCR (-0.6) | Dissolved | Water | 3005A | 779021 |
| MB 680-779021/1-B | Method Blank | Dissolved | Water | 3005A | 779021 |
| LCS 680-779021/2-B | Lab Control Sample | Dissolved | Water | 3005A | 779021 |
| 680-235017-1 MS | WAN-WCR (+0.1) | Dissolved | Water | 3005A | 779021 |
| 680-235017-1 MSD | WAN-WCR (+0.1) | Dissolved | Water | 3005A | 779021 |

Analysis Batch: 779220

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-------------------|--------|--------|------------|
| 680-235017-1 | WAN-WCR (+0.1) | Dissolved | Water | 6020B | 779038 |
| 680-235017-1 | WAN-WCR (+0.1) | Total Recoverable | Water | 6020B | 778986 |
| 680-235017-2 | WAN-WCR (+1.9) | Dissolved | Water | 6020B | 779038 |
| 680-235017-2 | WAN-WCR (+1.9) | Total Recoverable | Water | 6020B | 778986 |
| 680-235017-3 | WAN-WCR (-0.6) | Dissolved | Water | 6020B | 779038 |
| 680-235017-3 | WAN-WCR (-0.6) | Total Recoverable | Water | 6020B | 778986 |
| MB 680-778986/1-A | Method Blank | Total Recoverable | Water | 6020B | 778986 |
| MB 680-779021/1-B | Method Blank | Dissolved | Water | 6020B | 779038 |
| LCS 680-778986/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 778986 |
| LCS 680-779021/2-B | Lab Control Sample | Dissolved | Water | 6020B | 779038 |
| 680-234998-I-4-E MS | Matrix Spike | Total Recoverable | Water | 6020B | 778986 |
| 680-234998-I-4-F MSD | Matrix Spike Duplicate | Total Recoverable | Water | 6020B | 778986 |
| 680-235017-1 MS | WAN-WCR (+0.1) | Dissolved | Water | 6020B | 779038 |
| 680-235017-1 MSD | WAN-WCR (+0.1) | Dissolved | Water | 6020B | 779038 |

Field Service / Mobile Lab

Analysis Batch: 778983

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------------|------------|
| 680-235017-1 | WAN-WCR (+0.1) | Total/NA | Water | Field Sampling | |
| 680-235017-2 | WAN-WCR (+1.9) | Total/NA | Water | Field Sampling | |

Eurofins Savannah

QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

Field Service / Mobile Lab (Continued)

Analysis Batch: 778983 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------------|------------|
| 680-235017-3 | WAN-WCR (-0.6) | Total/NA | Water | Field Sampling | |

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Lab Chronicle

Client: Southern Company
 Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

Client Sample ID: WAN-WCR (+0.1)

Lab Sample ID: 680-235017-1

Date Collected: 05/15/23 12:40

Matrix: Water

Date Received: 05/16/23 10:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Dissolved | Filtration | FILTRATION | | | 25 mL | 125 mL | 779021 | 05/17/23 08:24 | RR | EET SAV |
| Dissolved | Prep | 3005A | | | 25 mL | 125 mL | 779038 | 05/17/23 08:24 | RR | EET SAV |
| Dissolved | Analysis | 6020B | | 1 | | | 779220 | 05/17/23 14:38 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 778986 | 05/17/23 06:13 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 779220 | 05/17/23 14:02 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Analysis | Field Sampling | | 1 | | | 778983 | 05/15/23 12:40 | T1C | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WCR (+1.9)

Lab Sample ID: 680-235017-2

Date Collected: 05/15/23 13:05

Matrix: Water

Date Received: 05/16/23 10:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Dissolved | Filtration | FILTRATION | | | 25 mL | 125 mL | 779021 | 05/17/23 08:24 | RR | EET SAV |
| Dissolved | Prep | 3005A | | | 25 mL | 125 mL | 779038 | 05/17/23 08:24 | RR | EET SAV |
| Dissolved | Analysis | 6020B | | 1 | | | 779220 | 05/17/23 14:50 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 778986 | 05/17/23 06:13 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 779220 | 05/17/23 14:06 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Analysis | Field Sampling | | 1 | | | 778983 | 05/15/23 13:05 | T1C | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WAN-WCR (-0.6)

Lab Sample ID: 680-235017-3

Date Collected: 05/15/23 12:10

Matrix: Water

Date Received: 05/16/23 10:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Dissolved | Filtration | FILTRATION | | | 25 mL | 125 mL | 779021 | 05/17/23 08:24 | RR | EET SAV |
| Dissolved | Prep | 3005A | | | 25 mL | 125 mL | 779038 | 05/17/23 08:24 | RR | EET SAV |
| Dissolved | Analysis | 6020B | | 1 | | | 779220 | 05/17/23 14:54 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total Recoverable | Prep | 3005A | | | 25 mL | 125 mL | 778986 | 05/17/23 06:13 | RR | EET SAV |
| Total Recoverable | Analysis | 6020B | | 1 | | | 779220 | 05/17/23 14:10 | BWR | EET SAV |
| Instrument ID: ICPMSC | | | | | | | | | | |
| Total/NA | Analysis | Field Sampling | | 1 | | | 778983 | 05/15/23 12:10 | T1C | EET SAV |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Laboratory References:

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

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Florida | NELAP | E87052 | 06-30-23 |
| Georgia | State | E87052 | 06-30-23 |

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Method Summary

Client: Southern Company
Project/Site: Plant Wansley Ash Pond - Risk Evaluation

Job ID: 680-235017-1

| Method | Method Description | Protocol | Laboratory |
|----------------|--|----------|------------|
| 6020B | Metals (ICP/MS) | SW846 | EET SAV |
| Field Sampling | Field Sampling | EPA | EET SAV |
| 3005A | Preparation, Total Recoverable or Dissolved Metals | SW846 | EET SAV |
| FILTRATION | Sample Filtration | None | EET SAV |

Protocol References:

EPA = US Environmental Protection Agency

None = None

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

Laboratory References:

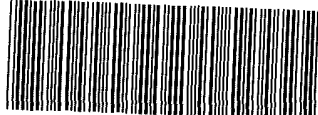
EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858



Chain of Custody Record

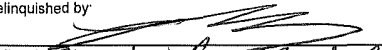

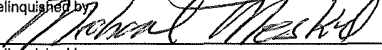

| | | | | | | | | | | | | | |
|---|--|--------------------------------|--|--|--|-------------------------|--|--|--|---|--|--|--|
| Client Information | | Sampler: <u>ACC</u> | | Lab PM: Fuller, David | | Carrier Tracking No(s): | | COC No: | | | | | |
| Client Contact: SCS Contacts | | Phone: <u>770-594-5448</u> | | E-Mail: david.fuller@et.eurofinsus.com | | | | Page: | | | | | |
| Company: GA Power | | Analysis Requested | | | | | | Job #: | | | | | |
| Address: 241 Ralph McGill Blvd SE | | | | | | | | Due Date Requested: | | Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) Lithium Dissolved Lithium (lab to filter) | | Preservation Codes: A HCL M - Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P - Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T - TSP Dodecahydrate I Ice U Acetone J DI Water V - MCAA K EDTA W - pH 4-5 L EDA Z other (specify) | |
| City: Atlanta | | | | | | | | TAT Requested (days): 5-day TAT | | | | | |
| State Zip: GA, 30308 | | | | | | | | | | | | | |
| Phone: 404-506-7116(Tel) | | Lab Project #: 68027766 | | | | | | Total Number of containers: | | | | | |
| Email: SCS Contacts / Geosyntec Contacts / ACC Contacts | | PO #: | | | | | | Task Code: WAN-CSURF-ASSMT-2023S1 Special Instructions/Note If Dissolved Metals required, lab to filter | | | | | |
| Project Name: Plant Wansley Ash Pond - Risk Evaluation | | Project #: | | | | | | | | | | | |
| Site: | | SSOW#: | | | | | | | | | | | |

| Sample Identification | Sample Date (mm/dd/yy) | Sample Time (hhmm) | Sample Type (C=Comp, G=grab) | Matrix (WG=ground water WS=surface water WQ=quality control) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | Lithium | Dissolved Lithium (lab to filter) | Total Number of containers |
|---------------------------|------------------------|--------------------|------------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| | | | Preservation Code | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | D | N | <input checked="" type="checkbox"/> |
| WAN- WRC(+0.1) | 5/15/23 | 12510 | G | WS | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | pH= 6.59 |
| WAN- WRC(+1.9) | 5/15/23 | 1305 | G | WS | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | pH= 6.71 |
| WAN- WRC(-0.6) | 5/15/23 | 1210 | G | WS | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | pH= 6.60 |



680-235017 Chain of Custody

| | | | | | | | |
|---|--|--|--|---|--|--|--|
| Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological | | | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | | |
| Deliverable Requested I, II, III, IV, Other (specify) | | | | Special Instructions/QC Requirements Do NOT report to MDL, and do NOT include J-flagged data | | | |

| | | | | | |
|--|--------------------------|--------------|--|--------------------------|-------------------|
| Empty Kit Relinquished by: | | Date: | Time: | Method of Shipment: | |
| Relinquished by:  | Date/Time: 5/15/23 1526 | Company: ACC | Received by:  | Date/Time: 5/15/23 1526 | Company: Eurofins |
| Relinquished by:  | Date/Time: 3/15/23 15:26 | Company: | Received by:  | Date/Time: 5/16/23 10.00 | Company: Eurofins |
| Relinquished by: | Date/Time: | Company: | Received by: | Date/Time: | Company: |

| | | |
|---|-----------------|--|
| Custody Seals Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks <u>3.4 3.2</u> |
|---|-----------------|--|

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-235017-1

Login Number: 235017

List Number: 1

Creator: Drake, Victoria

List Source: Eurofins Savannah

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

APPENDIX B2

Data Validation Reports

Memorandum

Date: April 18, 2023
To: Adria Reimer
From: Ashley Wilson
CC: J. Caprio
Subject: **Stage 2A Data Validation - Level II Data Deliverable – Eurofins
Laboratory Job ID 680-230721-1**

SITE: Plant Wansley Ash Pond

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of fifteen water samples, one field duplicate sample, one equipment blank and one field blank, collected 14-15 February 2023, as part of the Plant Wansley Ash Pond on-site sampling event.

The samples were analyzed at Eurofins Savannah, Savannah, Georgia, for the following analytical tests:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3005A/6020B
- Mercury by US EPA Method 7470A
- Anions (Chloride, Fluoride and Sulfate) by US EPA Method 300.0 R2.1
- Total Sulfide by Standard Method (SM) 4500 S2 F-2011
- Total Dissolved Solids (TDS) by SM 2540C
- Alkalinity by SM 2320B

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. Qualified data should be used within the limitations of the qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006).

The following samples were analyzed and reported in the laboratory reports:

| Laboratory IDs | Client IDs |
|----------------|-------------|
| 680-230721-1 | WAN-WGWA-1 |
| 680-230721-2 | WAN-WGWA-2 |
| 680-230721-3 | WAN-WGWA-3 |
| 680-230721-4 | WAN-WGWA-4 |
| 680-230721-5 | WAN-WGWA-5 |
| 680-230721-6 | WAN-WGWA-6 |
| 680-230721-7 | WAN-WGWA-7 |
| 680-230721-8 | WAN-WGWA-18 |
| 680-230721-9 | WAN-WGWC-15 |

| Laboratory IDs | Client IDs |
|----------------|---------------|
| 680-230721-10 | WAN-WGWC-16 |
| 680-230721-11 | WAN-WGWC-25 |
| 680-230721-12 | WAN-WGWC-22 |
| 680-230721-13 | WAN-WGWC-24 |
| 680-230721-14 | WAN-WGWC-9 |
| 680-230721-15 | WAN-WGWC-23 |
| 680-230721-16 | WAN-API-FD-01 |
| 680-230721-17 | WAN-API-FB-07 |
| 680-230721-18 | WAN-API-EB-01 |

The samples were received within 0-6 degrees Celsius (°C). No sample preservation issues were noted by the laboratory.

The field pH data included in the laboratory report were not validated.

A “U” qualification was added to the nondetect data in the electronic data deliverable (EDD).

1.0 METALS

The samples were analyzed for metals by US EPA methods 3005A/6020B. (Mercury was evaluated separately in Section 2.0, below)

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Time
- ⊗ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Equipment Blank
- ⊗ Field Blank

- ⊗ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

1.1 Overall Assessment

The metals data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.2 Holding Time

The holding time for the metals analysis of a water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported (batch 764052). Metals were not detected in the method blank above the method detection limits (MDLs), with the following exception.

Boron was detected in the method blank at an estimated concentration greater than the MDL and less than the reporting limit (RL). Therefore, the estimated concentrations of boron in samples WAN-AP1-EB-01, WAN-AP1-FB-07, WAN-WGWA-1, WAN-WGWA-2, WAN-WGWA-5, WAN-WGWA-7 and WAN-WGWC-23 were U qualified as not detected above the RL.

| Sample ID | Compound | Laboratory Result (mg/L) | Laboratory Flag | Validation Result (mg/L) | Validation Qualifier* | Reason Code** |
|---------------|----------|--------------------------|-----------------|--------------------------|-----------------------|---------------|
| WAN-AP1-EB-01 | Boron | 0.022 | J B | 0.080 | U | 3 |
| WAN-AP1-FB-07 | Boron | 0.024 | J B | 0.080 | U | 3 |
| WAN-WGWA-1 | Boron | 0.026 | J B | 0.080 | U | 3 |
| WAN-WGWA-2 | Boron | 0.023 | J B | 0.080 | U | 3 |
| WAN-WGWA-5 | Boron | 0.030 | J B | 0.080 | U | 3 |
| WAN-WGWA-7 | Boron | 0.033 | J B | 0.080 | U | 3 |

| Sample ID | Compound | Laboratory Result (mg/L) | Laboratory Flag | Validation Result (mg/L) | Validation Qualifier* | Reason Code** |
|-------------|----------|--------------------------|-----------------|--------------------------|-----------------------|---------------|
| WAN-WGWC-23 | Boron | 0.049 | J B | 0.080 | U | 3 |

mg/L-milligram per liter

J-the result is less than RL but greater than the MDL and the concentration is an approximate value

B-laboratory flag indicating the compound was found in both the blank and the sample

* Validation qualifiers are defined in Attachment 1 at the end of this report

**Reason codes are defined in Attachment 2 at the end of this report

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One sample set specific MS/MSD pair was reported, using sample WAN-WGWC-9. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The recovery results were within the laboratory specified acceptance criteria.

1.6 Equipment Blank

One equipment blank, WAN-AP1-EB-01, was collected with the sample set. Metals were not detected in the equipment blank above the MDLs, with the following exceptions.

Barium and boron were detected at estimated concentrations greater than the MDL and less than the RL. Since the barium and boron concentrations in WAN-AP1-EB-01 were U qualified due to field blank and method blank contamination, respectively, and based on professional and technical judgment, no additional qualifications were applied to the data.

1.7 Field Blank

One field blank, WAN-AP1-FB-07, was collected with the sample set. Metals were not detected in the field blank above the MDLs, with the following exceptions.

Barium (0.016 mg/L) was detected in WAN-AP1-FB-07 at a concentration greater than the RL. Therefore, the estimated concentrations of barium in samples WAN-AP1-EB-01, WAN-WGWA-4, WAN-WGWA-6 and WAN-WGWC-23 were U qualified as not detected above the RL, the concentrations of barium in samples WAN-WGWA-18, WAN-WGWA-3 and WAN-WGWA-7 were U qualified as not detected at the reported concentrations and the concentrations of barium

in samples WAN-AP1-FD-01, WAN-WGWA-1, WAN-WGWA-2, WAN-WGWA-5, WAN-WGWC-15, WAN-WGWC-16, WAN-WGWC-22 and WAN-WGWC-24 were J+ qualified as estimated with a high bias. Since barium was not detected in sample WAN-WGWC-9 and the concentration of barium in sample WAN-WGWC-25 was greater than ten times the RL, no qualifications were applied to these data.

Boron was detected in WAN-AP1-FB-07 at an estimated concentration greater than the MDL and less than the RL. Since boron in the associated samples was qualified due to field blank contamination and based on professional and technical judgment, no additional qualifications were applied to the data.

| Sample ID | Compound | Laboratory Result (mg/L) | Laboratory Flag | Validation Result (mg/L) | Validation Qualifier | Reason Code |
|---------------|----------|--------------------------|-----------------|--------------------------|----------------------|-------------|
| WAN-AP1-EB-01 | Barium | 0.0046 | J | 0.010 | U | 3 |
| WAN-WGWA-18 | Barium | 0.013 | NA | 0.013 | U | 3 |
| WAN-WGWA-2 | Barium | 0.022 | NA | 0.022 | J+ | 3 |
| WAN-WGWA-3 | Barium | 0.015 | NA | 0.015 | U | 3 |
| WAN-WGWA-4 | Barium | 0.0058 | J | 0.010 | U | 3 |
| WAN-WGWA-5 | Barium | 0.018 | NA | 0.018 | J+ | 3 |
| WAN-WGWA-6 | Barium | 0.0078 | J | 0.010 | U | 3 |
| WAN-WGWA-7 | Barium | 0.011 | NA | 0.011 | U | 3 |
| WAN-WGWC-15 | Barium | 0.029 | NA | 0.029 | J+ | 3 |
| WAN-WGWC-23 | Barium | 0.0055 | J | 0.010 | U | 3 |
| WAN-AP1-FD-01 | Barium | 0.043 | NA | 0.043 | J+ | 3 |
| WAN-WGWA-1 | Barium | 0.050 | NA | 0.050 | J+ | 3 |
| WAN-WGWC-16 | Barium | 0.044 | NA | 0.044 | J+ | 3 |
| WAN-WGWC-22 | Barium | 0.033 | NA | 0.033 | J+ | 3 |
| WAN-WGWC-24 | Barium | 0.036 | NA | 0.036 | J+ | 3 |

mg/L-milligram per liter

J-estimated concentration greater than the MDL and less than the RL

NA-not applicable

1.8 Field Duplicate

One field duplicate sample, WAN-AP1-FD-01, was collected with the sample set. Acceptable precision ($RPD \leq 20\%$ or the difference between the concentrations $< RL$) was demonstrated between the field duplicate and the original sample, WAN-WGWC-16, with the following exception.

Iron was detected at a concentration greater than the MDL and less than the RL in WAN-AP1-FD-01 and was not detected in WAN-WGWC-16, resulting in a noncalculable RPD. Therefore, based

on professional and technical judgment, the iron concentration in WAN-AP1-FD-01 was J qualified as estimated and the non-detect iron result in WAN-WGWC-16 was UJ qualified as estimated less than the MDL.

| Sample | Analyte | Laboratory Result (mg/L) | Laboratory Flag | RPD | Validation Result (mg/l) | Validation Qualifier | Reason Code |
|---------------|---------|--------------------------|-----------------|-----|--------------------------|----------------------|-------------|
| WAN-AP1-FD-01 | Iron | 0.015 | J | NC | 0.015 | J | 7 |
| WAN-WGWC-16 | Iron | 0.012 | U | | 0.012 | UJ | 7 |

mg/L-milligram per liter

J-estimated concentration greater than the MDL and less than the RL

U-not detected at or above the MDL

NC-not calculable

RPD-relative percent difference

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 MERCURY

The samples were analyzed for mercury by US EPA Method 7470A.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Time
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

2.1 Overall Assessment

The mercury data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

2.2 Holding Time

The holding time for the mercury analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two method blanks were reported (batches 764333 and 764336). Mercury was not detected in the method blanks above the MDL.

2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One sample set specific MS/MSD pair was reported, using sample WAN-WGWA-1. The recovery and RPD results were within the laboratory specified acceptance criteria.

One batch MS/MSD pair was also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

2.6 Equipment Blank

One equipment blank, WAN-AP1-EB-01, was collected with the sample set. Mercury was not detected in the equipment blank above the MDL.

2.7 Field Blank

One field blank, WAN-AP1-FB-07, was collected with the sample set. Mercury was not detected in the field blank above the MDL.

2.8 Field Duplicate

One field duplicate sample, WAN-AP1-FD-01, was collected with the sample set. Acceptable precision (RPD < 20% or the difference between the concentrations < RL) was demonstrated between the field duplicate and the original sample, WAN-WGWC-16.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable Review

Results and sample ID in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD

3.0 WET CHEMISTRY

The samples were analyzed for anions by US EPA method 300.0, total sulfide by SM 4500 S2 F-2011, TDS by SM 2540C and alkalinity by SM 2320B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Equipment Blank
- ⊗ Field Blank
- ⊗ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

3.1 Overall Assessment

3.1.1 Completeness

The wet chemistry data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

3.1.2 Analysis Anomaly

The laboratory noted that samples WAN-WGWA-1, WAN-WGWC-15, WAN-WGWC-16, WAN-WGWC-25, WAN-WGWC-24, WAN-WGWC-9, WAN-WGWC-23 and WAN-AP1-FD-01 were analyzed with headspace in the sample containers for total sulfide analysis. Since the samples were preserved and based on professional and technical judgment, no qualifications were applied to the data.

3.2 Holding Times

The holding time for the anions (fluoride, chloride, sulfate) analysis of a water sample is 28 days from sample collection to analysis. The holding time for the TDS analysis of a water sample is 7 days from sample collection to analysis. The holding time for the alkalinity analysis of a water sample is 14 days from sample collection to analysis. The holding time for the sulfide analysis of a water sample is 7 days from sample collection to analysis. The holding times were met for the sample analyses.

3.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three method blanks were reported for anions (batches 764277, 764278 and 764279). Three method blanks were reported for total sulfide (batches 764112, 764160 and 764297). Two method blanks were reported for TDS (batches 764123 and 764319). Two method blanks were reported for alkalinity (batches 764461 and 764465). The wet chemistry parameters were not detected in the method blanks above the MDLs.

3.4 Matrix Spike/Matrix Spike Duplicate

Three sample set specific MS/MSD pairs were reported for anions, using samples WAN-WGWA-1, WAN-WGWA-4 and WAN-WGWC-9. One sample set specific MS/MSD pair was reported for sulfide, using sample WAN-WGWC-15. The recovery and RPD results were within the laboratory specified acceptance criteria.

Batch MS/MSD pairs were also reported for anions and total sulfide. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCS/LCS duplicate (LCSD) pairs were reported for each analytical batch per analysis. The recovery and RPD results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

One sample set specific laboratory duplicate was reported for alkalinity, using sample WAN-WGWC-24. The RPD results were within the laboratory specified acceptance criteria.

Batch laboratory duplicates were also reported for alkalinity, TDS, anions and total sulfide. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.7 Equipment Blank

One equipment blank, WAN-AP1-EB-01, was collected with the sample set. The wet chemistry parameters were not detected in the equipment blank above the MDLs, with the following exception.

Bicarbonate alkalinity as CaCO₃ (130 mg/L) and total alkalinity as CaCO₃ (130 mg/L) were detected in WAN-AP1-EB-01 at concentrations greater than the RLs. Therefore, the bicarbonate alkalinity and total alkalinity concentrations in sample WAN-WGWC-15 were U qualified as not detected at the reported concentrations. Based on professional and technical judgment, no additional qualifications were applied to the concentrations qualified due to field blank contamination.

Since the bicarbonate alkalinity and total alkalinity concentrations in the associated samples were J+ qualified due to field blank contamination and based on professional and technical judgment, no additional qualifications were applied to the data.

| Sample ID | Compound | Laboratory Result (mg/L) | Laboratory Flag | Validation Result (mg/L) | Validation Qualifier | Reason Code |
|-------------|---|--------------------------|-----------------|--------------------------|----------------------|-------------|
| WAN-WGWC-15 | Bicarbonate Alkalinity as CaCO ₃ | 130 | NA | 130 | U | 3 |

| Sample ID | Compound | Laboratory Result (mg/L) | Laboratory Flag | Validation Result (mg/L) | Validation Qualifier | Reason Code |
|-------------|---------------------------------------|--------------------------|-----------------|--------------------------|----------------------|-------------|
| WAN-WGWC-15 | Total Alkalinity as CaCO ₃ | 130 | NA | 130 | U | 3 |

mg/L-milligram per liter

NA-not applicable

3.8 Field Blank

One field blank, WAN-AP1-FB-07, was collected with the sample set. The wet chemistry parameters were not detected in the field blank above the MDLs with the following exception.

Bicarbonate alkalinity as CaCO₃ (110 mg/L) and total alkalinity as CaCO₃ (110 mg/L) were detected in WAN-AP1-FB-07 at concentrations greater than the RLs. Therefore, the bicarbonate alkalinity and total alkalinity concentrations greater than the RLs and less than or equal to the field blank concentrations were U qualified as not detected at the reported concentrations and the alkalinity and total alkalinity concentrations greater than the field blank concentrations and less than ten times the blank concentrations were J+ qualified as estimated with high biases, based on technical and professional judgement. Since the bicarbonate alkalinity and total alkalinity concentrations in sample WAN-WGWC-15 were U qualified due to equipment blank contamination and based on professional and technical judgment, no additional qualifications were applied to sample WAN-WGWC-15.

| Sample ID | Compound | Laboratory Result (mg/L) | Laboratory Flag | Validation Result (mg/L) | Validation Qualifier | Reason Code |
|---------------|---|--------------------------|-----------------|--------------------------|----------------------|-------------|
| WAN-AP1-EB-01 | Bicarbonate Alkalinity as CaCO ₃ | 130 | NA | 130 | J+ | 3 |
| WAN-AP1-EB-01 | Total Alkalinity as CaCO ₃ | 130 | NA | 130 | J+ | 3 |
| WAN-AP1-FD-01 | Bicarbonate Alkalinity as CaCO ₃ | 27 | NA | 27 | U | 3 |
| WAN-AP1-FD-01 | Total Alkalinity as CaCO ₃ | 30 | NA | 30 | U | 3 |
| WAN-WGWA-1 | Bicarbonate Alkalinity as CaCO ₃ | 390 | NA | 390 | J+ | 3 |
| WAN-WGWA-1 | Total Alkalinity as CaCO ₃ | 390 | NA | 390 | J+ | 3 |
| WAN-WGWA-18 | Bicarbonate Alkalinity as CaCO ₃ | 83 | NA | 83 | U | 3 |
| WAN-WGWA-18 | Total Alkalinity as CaCO ₃ | 83 | NA | 83 | U | 3 |
| WAN-WGWA-2 | Bicarbonate Alkalinity as CaCO ₃ | 240 | NA | 240 | J+ | 3 |
| WAN-WGWA-2 | Total Alkalinity as CaCO ₃ | 240 | NA | 240 | J+ | 3 |

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| Sample ID | Compound | Laboratory Result (mg/L) | Laboratory Flag | Validation Result (mg/L) | Validation Qualifier | Reason Code |
|-------------|---|--------------------------|-----------------|--------------------------|----------------------|-------------|
| WAN-WGWA-3 | Bicarbonate Alkalinity as CaCO ₃ | 270 | NA | 270 | J+ | 3 |
| WAN-WGWA-3 | Total Alkalinity as CaCO ₃ | 270 | NA | 270 | J+ | 3 |
| WAN-WGWA-4 | Bicarbonate Alkalinity as CaCO ₃ | 110 | NA | 110 | U | 3 |
| WAN-WGWA-4 | Total Alkalinity as CaCO ₃ | 110 | NA | 110 | U | 3 |
| WAN-WGWA-5 | Bicarbonate Alkalinity as CaCO ₃ | 97 | NA | 97 | U | 3 |
| WAN-WGWA-5 | Total Alkalinity as CaCO ₃ | 97 | NA | 97 | U | 3 |
| WAN-WGWA-6 | Bicarbonate Alkalinity as CaCO ₃ | 150 | NA | 150 | J+ | 3 |
| WAN-WGWA-6 | Total Alkalinity as CaCO ₃ | 150 | NA | 150 | J+ | 3 |
| WAN-WGWA-7 | Bicarbonate Alkalinity as CaCO ₃ | 160 | NA | 160 | J+ | 3 |
| WAN-WGWA-7 | Total Alkalinity as CaCO ₃ | 160 | NA | 160 | J+ | 3 |
| WAN-WGWC-15 | Bicarbonate Alkalinity as CaCO ₃ | 130 | NA | 130 | J+ | 3 |
| WAN-WGWC-15 | Total Alkalinity as CaCO ₃ | 130 | NA | 130 | J+ | 3 |
| WAN-WGWC-16 | Bicarbonate Alkalinity as CaCO ₃ | 260 | NA | 260 | J+ | 3 |
| WAN-WGWC-16 | Total Alkalinity as CaCO ₃ | 260 | NA | 260 | J+ | 3 |
| WAN-WGWC-22 | Bicarbonate Alkalinity as CaCO ₃ | 340 | NA | 340 | J+ | 3 |
| WAN-WGWC-22 | Total Alkalinity as CaCO ₃ | 340 | NA | 340 | J+ | 3 |
| WAN-WGWC-23 | Bicarbonate Alkalinity as CaCO ₃ | 82 | NA | 82 | U | 3 |
| WAN-WGWC-23 | Total Alkalinity as CaCO ₃ | 82 | NA | 82 | U | 3 |
| WAN-WGWC-24 | Bicarbonate Alkalinity as CaCO ₃ | 9.0 | NA | 9.0 | U | 3 |
| WAN-WGWC-24 | Total Alkalinity as CaCO ₃ | 9.0 | NA | 9.0 | U | 3 |
| WAN-WGWC-25 | Bicarbonate Alkalinity as CaCO ₃ | 8.0 | NA | 8.0 | U | 3 |
| WAN-WGWC-25 | Total Alkalinity as CaCO ₃ | 8.0 | NA | 8.0 | U | 3 |
| WAN-WGWC-9 | Bicarbonate Alkalinity as CaCO ₃ | 140 | NA | 140 | J+ | 3 |

| Sample ID | Compound | Laboratory Result (mg/L) | Laboratory Flag | Validation Result (mg/L) | Validation Qualifier | Reason Code |
|------------|---------------------------------------|--------------------------|-----------------|--------------------------|----------------------|-------------|
| WAN-WGWC-9 | Total Alkalinity as CaCO ₃ | 140 | NA | 140 | J+ | 3 |

mg/L-milligram per liter

NA-not applicable

3.9 Field Duplicate

One field duplicate sample, WAN-API-FD-01, was collected with the sample set. Acceptable precision (RPD < 20% or the difference between the concentrations < RL) was demonstrated between the field duplicate and the original sample, WAN-WGWC-16, with the following exceptions.

The RPDs for bicarbonate alkalinity and total alkalinity in the field duplicate pair, WAN-API-FD-01/WAN-WGWC-16, were greater than 20%. Therefore, the bicarbonate alkalinity and total alkalinity concentrations in the field duplicate pair were J qualified as estimated.

| Sample | Analyte | Laboratory Result (mg/L) | Laboratory Flag | RPD | Validation Result (mg/L) | Validation Qualifier | Reason Code |
|---------------|---|--------------------------|-----------------|-----|--------------------------|----------------------|-------------|
| WAN-API-FD-01 | Bicarbonate Alkalinity as CaCO ₃ | 27 | NA | 162 | 27 | J | 7 |
| WAN-WGWC-16 | Bicarbonate Alkalinity as CaCO ₃ | 260 | NA | | 260 | J | 7 |
| WAN-API-FD-01 | Total Alkalinity as CaCO ₃ | 30 | NA | 159 | 30 | J | 7 |
| WAN-WGWC-16 | Total Alkalinity as CaCO ₃ | 260 | NA | | 260 | J | 7 |

mg/L-milligram per liter

NA-not applicable

RPD-relative percent difference

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

**DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team**

DATA QUALIFIER DEFINITIONS

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to “not detected at or above the reported result”.

- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

- J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

- J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

| Valid Value | Description |
|--------------------|--|
| 1 | Preservation requirement not met |
| 2 | Analysis holding time exceeded |
| 3 | Blank contamination (i.e., method, trip, equipment, etc.) |
| 4 | Matrix spike/matrix spike duplicate recovery or RPD outside limits |
| 5 | LCS or RPD recovery outside limits (LCS/LCSD) |
| 6 | Surrogate recovery outside limits |
| 7 | Field Duplicate RPD exceeded |
| 8 | Serial dilution percent difference exceeded |
| 9 | Calibration criteria not met |
| 10 | Linear range exceeded |
| 11 | Internal standard criteria not met |
| 12 | Lab duplicates RPD exceeded |
| 13 | Other |
| 14 | Lab flag removed or modified: no validation qualification required |

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample duplicate

RPD - Relative percent difference

Memorandum

Date: April 24, 2023
To: Adria Reimer
From: Kristoffer Henderson
CC: J. Caprio
Subject: **Stage 2A Data Validation - Level II Data Deliverable – Eurofins
Laboratory Job ID 680-230721-2**

SITE: Plant Wansley Ash Pond

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of fifteen aqueous samples, one field duplicate sample, one equipment blank and one field blank, collected 14-15 February 2023, as part of the Plant Wansley Ash Pond on-site sampling event.

The samples were analyzed at Eurofins St. Louis; Earth City, Missouri, for the following analytical tests:

- Radium-226 by US EPA Method 9315
- Radium-228 by US EPA Method 9320
- Total Radium by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. Qualified data should be used within the limitation of the qualification.

The data were reviewed based on the pertinent methods referenced in the laboratory report, professional and technical judgment and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011);
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006); and

- American National Standard, Verification and Validation of Radiological Data for use in Waste Management and Environmental Remediation, February 15, 2012 (ANSI/ANS-41.5-2012).

The following samples were analyzed and reported in the laboratory report:

| Laboratory ID | Client ID |
|---------------|-------------|
| 680-230721-1 | WAN-WGWA-1 |
| 680-230721-2 | WAN-WGWA-2 |
| 680-230721-3 | WAN-WGWA-3 |
| 680-230721-4 | WAN-WGWA-4 |
| 680-230721-5 | WAN-WGWA-5 |
| 680-230721-6 | WAN-WGWA-6 |
| 680-230721-7 | WAN-WGWA-7 |
| 680-230721-8 | WAN-WGWA-18 |
| 680-230721-9 | WAN-WGWC-15 |

| Laboratory ID | Client ID |
|---------------|---------------|
| 680-230721-10 | WAN-WGWC-16 |
| 680-230721-11 | WAN-WGWC-25 |
| 680-230721-12 | WAN-WGWC-22 |
| 680-230721-13 | WAN-WGWC-24 |
| 680-230721-14 | WAN-WGWC-9 |
| 680-230721-15 | WAN-WGWC-23 |
| 680-230721-16 | WAN-AP1-FD-01 |
| 680-230721-17 | WAN-AP1-FB-07 |
| 680-230721-18 | WAN-AP1-EB-01 |

The non-radiochemistry data were reported in laboratory report 680-230721-1.

1.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA method 9315, radium-228 by US EPA method 9320 and total radium by calculation.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ⊗ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Tracers and Carriers
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

1.1 Overall Assessment

The radium-226 and radium-228 data reported in this data set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.2 Holding Times

The holding times for the radium-226 and radium-228 analyses of a water sample are 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two method blanks were reported for the radium-226 data (batches 601410 and 601821). Two method blanks were reported for the radium-228 data (batches 601415 and 601825). Radium-226 and radium-228 were not detected in the method blanks above the minimum detectable concentrations (MDCs), with the following exception.

Radium-228 (0.7066 pCi/L) was detected in the method blank in batch 601415 at a concentration greater than the MDC. Therefore, the radium-228 and combined radium concentrations in samples WAN-WGWA-1, WAN-WGWA-4 and WAN-WGWA-6 were J+ qualified as estimated with high bias and the radium-228 and combined radium concentrations in samples WAN-WGWA-3 and WAN-WGWA-5 were U qualified as not detected at the reported concentrations.

| Sample | Analyte | Laboratory Result (pCi/L) | Laboratory Flag | Validation Result (pCi/L) | Validation Qualifier* | Reason Code** |
|------------|---------------------------|---------------------------|-----------------|---------------------------|-----------------------|---------------|
| WAN-WGWA-1 | Radium-228 | 0.746 | NA | 0.746 | J+ | 3 |
| WAN-WGWA-1 | Combined Radium 226 + 228 | 0.827 | NA | 0.827 | J+ | 3 |
| WAN-WGWA-3 | Radium-228 | 0.538 | NA | 0.538 | U | 3 |
| WAN-WGWA-3 | Combined Radium 226 + 228 | 0.605 | NA | 0.605 | U | 3 |
| WAN-WGWA-4 | Radium-228 | 0.920 | NA | 0.920 | J+ | 3 |
| WAN-WGWA-4 | Combined Radium 226 + 228 | 1.59 | NA | 1.59 | J+ | 3 |
| WAN-WGWA-5 | Radium-228 | 0.690 | NA | 0.690 | U | 3 |
| WAN-WGWA-5 | Combined Radium 226 + 228 | 0.741 | NA | 0.741 | U | 3 |
| WAN-WGWA-6 | Radium-228 | 5.18 | NA | 5.18 | J+ | 3 |

| Sample | Analyte | Laboratory Result (pCi/L) | Laboratory Flag | Validation Result (pCi/L) | Validation Qualifier* | Reason Code** |
|------------|---------------------------|---------------------------|-----------------|---------------------------|-----------------------|---------------|
| WAN-WGWA-6 | Combined Radium 226 + 228 | 8.54 | NA | 8.54 | J+ | 3 |

pCi/L-picocuries per liter

NA-not applicable

* Validation qualifiers are defined in Attachment 1 at the end of this report

**Reason codes are defined in Attachment 2 at the end of this report

1.4 **Matrix Spike/Matrix Spike Duplicate (MS/MSD)**

Two batch MS/MSD pairs were reported for radium-226 and two batch MS/MSD pairs were reported for radium-228. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.5 **Laboratory Control Sample (LCS)**

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs were reported for radium-226 and two LCSs were reported for radium-228. The recovery results were within the laboratory specified acceptance criteria.

1.6 **Laboratory Duplicate**

Laboratory duplicates were not reported with the data.

1.7 **Tracers and Carriers**

Carriers were reported for the radium-226 and radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 **Equipment Blank**

One equipment blank, WAN-AP1-EB-01 was collected with the sample set. Radium-226 and Radium-228 were not detected in the equipment blank above the MDCs.

1.9 **Field Blank**

One field blank, WAN-AP1-FB-07 was collected with the sample set. Radium-226 and Radium-228 were not detected in the field blank above the MDCs.

1.10 Field Duplicate

One field duplicate sample, WAN-AP1-FD-01 was collected with the sample set. Acceptable precision [replicate error ratio (RER) (2σ) < 3] was demonstrated between the field duplicate and the original sample, WAN-WGWC-16.

1.11 Sensitivity

The samples were reported to the MDCs. Elevated non-detect results were not reported.

1.12 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

* * * * *

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to “not detected at or above the reported result”.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.
- J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

| Valid Value | Description |
|--------------------|--|
| 1 | Preservation requirement not met |
| 2 | Analysis holding time exceeded |
| 3 | Blank contamination (i.e., method, trip, equipment, etc.) |
| 4 | Matrix spike/matrix spike duplicate recovery or RPD outside limits |
| 5 | LCS or RPD recovery outside limits (LCS/LCSD) |
| 6 | Surrogate recovery outside limits |
| 7 | Field Duplicate RPD exceeded |
| 8 | Serial dilution percent difference exceeded |
| 9 | Calibration criteria not met |
| 10 | Linear range exceeded |
| 11 | Internal standard criteria not met |
| 12 | Lab duplicates RPD exceeded |
| 13 | Other |
| 14 | Lab flag removed or modified: no validation qualification required |

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample duplicate

RPD - Relative percent difference

Memorandum

Date: April 19, 2023
To: Adria Reimer
From: Ashley Wilson
CC: J. Caprio
Subject: **Stage 2A Data Validation - Level II Data Deliverable – Eurofins
Laboratory Job ID 680-230804-1**

SITE: Plant Wansley Ash Pond

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of three water samples collected 17 February 2023, as part of the Plant Wansley Ash Pond on-site sampling event.

The samples were analyzed at Eurofins Savannah, Savannah, Georgia, for the following analytical tests:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3005A/6020B
- Anions (Chloride, Fluoride and Sulfate) by US EPA Method 300.0 R2.1
- Total Sulfide by Standard Method (SM) 4500 S2 F-2011
- Total Dissolved Solids (TDS) by SM 2540C
- Alkalinity by SM 2320B

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. Qualified data should be used within the limitations of the qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011); and

- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006).

The following samples were analyzed and reported in the laboratory reports:

| Laboratory IDs | Client IDs |
|----------------|------------|
| 680-230804-1 | WAN-PZ-A2S |
| 680-230804-2 | WAN-PZ-A2M |

| Laboratory IDs | Client IDs |
|----------------|------------|
| 680-230804-3 | WAN-PZ-A2D |

The samples were received within 0-6 degrees Celsius (°C). No sample preservation issues were noted by the laboratory.

The field pH data included in the laboratory report were not validated.

A “U” qualification was added to the nondetect data in the electronic data deliverable (EDD).

1.0 METALS

The samples were analyzed for metals by US EPA methods 3005A/6020B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Time
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

1.1 Overall Assessment

The metals data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.2 Holding Time

The holding time for the metals analysis of a water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported (batch 764270). Metals were not detected in the method blank above the method detection limits (MDLs), with the following exception.

Boron was detected in the method blank at an estimated concentration greater than the MDL and less than the reporting limit (RL). Since boron was detected at concentrations greater than the RL in the associated samples, no qualifications were applied to the associated data.

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One sample set specific MS/MSD pair was reported, using sample WAN-PZ-A2M. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria, with the following exceptions.

The recoveries of potassium, sodium, boron, and calcium were flagged with 4, to indicate the sample concentration was greater than four times the spike concentration; therefore, the recovery limits were not applicable.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The recovery results were within the laboratory specified acceptance criteria.

1.6 Equipment Blank

An equipment blank was not submitted with the sample set.

1.7 Field Blank

A field blank was not submitted with the sample set.

1.8 Field Duplicate

A field duplicate was not submitted with the sample set.

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 WET CHEMISTRY

The samples were analyzed for anions by US EPA method 300.0, total sulfide by SM 4500 S2 F-2011, TDS by SM 2540C and alkalinity by SM 2320B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

2.1 Overall Assessment

The wet chemistry data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

2.2 Holding Times

The holding time for the anions (fluoride, chloride, sulfate) analysis of a water sample is 28 days from sample collection to analysis. The holding time for the TDS analysis of a water sample is 7 days from sample collection to analysis. The holding time for the alkalinity analysis of a water sample is 14 days from sample collection to analysis. The holding time for the sulfide analysis of a water sample is 7 days from sample collection to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two method blanks were reported for anions (batches 765703 and 765704). One method blank was reported for total sulfide (batch 764836). One method blank was reported for TDS (batch 764716). Two method blanks were reported for alkalinity (batches 764663 and 764666). The wet chemistry parameters were not detected in the method blanks above the MDLs.

2.4 Matrix Spike/Matrix Spike Duplicate

One sample set specific MS/MSD pair was reported for total sulfide, using sample WAN-PZ-A2M. The recovery and RPD results were within the laboratory specified acceptance criteria.

Batch MS/MSD pairs were also reported for anions. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). An LCS was reported for each analytical batch per analysis. The recovery results were within the laboratory specified acceptance criteria.

2.6 Laboratory Duplicate

One sample set specific laboratory duplicate was reported for sulfide, using sample WAN-PZ-A2S. The RPD result was within the laboratory specified acceptance criteria.

Batch laboratory duplicates were also reported for alkalinity. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

2.7 Equipment Blank

An equipment blank was not submitted with the sample set.

2.8 Field Blank

A field blank was not submitted with the sample set.

2.9 Field Duplicate

A field duplicate was not submitted with the sample set.

2.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

2.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

**DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team**

DATA QUALIFIER DEFINITIONS

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to “not detected at or above the reported result”.

- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

- J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

- J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

| Valid Value | Description |
|--------------------|--|
| 1 | Preservation requirement not met |
| 2 | Analysis holding time exceeded |
| 3 | Blank contamination (i.e., method, trip, equipment, etc.) |
| 4 | Matrix spike/matrix spike duplicate recovery or RPD outside limits |
| 5 | LCS or RPD recovery outside limits (LCS/LCSD) |
| 6 | Surrogate recovery outside limits |
| 7 | Field Duplicate RPD exceeded |
| 8 | Serial dilution percent difference exceeded |
| 9 | Calibration criteria not met |
| 10 | Linear range exceeded |
| 11 | Internal standard criteria not met |
| 12 | Lab duplicates RPD exceeded |
| 13 | Other |
| 14 | Lab flag removed or modified: no validation qualification required |

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample duplicate

RPD - Relative percent difference

Memorandum

Date: April 21, 2023
To: Adria Reimer
From: Ashley Wilson
CC: J. Caprio
Subject: **Stage 2A Data Validation - Level II Data Deliverable – Eurofins
Laboratory Job ID 680-230805-1, Revision 1**

SITE: Plant Wansley Ash Pond

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of twelve water samples, two field duplicate samples, two equipment blanks and two field blanks, collected 16 February 2023, as part of the Plant Wansley Ash Pond on-site sampling event.

The samples were analyzed at Eurofins Savannah, Savannah, Georgia, for the following analytical tests:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3005A/6020B
- Mercury by US EPA Method 7470A
- Anions (Chloride, Fluoride and Sulfate) by US EPA Method 300.0 R2.1
- Total Sulfide by Standard Method (SM) 4500 S2 F-2011
- Total Dissolved Solids (TDS) by SM 2540C
- Alkalinity by SM 2320B

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. Qualified data should be used within the limitations of the qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006).

The following samples were analyzed and reported in the laboratory reports:

| Laboratory IDs | Client IDs |
|----------------|--------------|
| 680-230805-1 | WAN-WGWC-8 |
| 680-230805-2 | WAN-WGWC-10 |
| 680-230805-3 | WAN-WGWC-11 |
| 680-230805-4 | WAN-WGWC-12 |
| 680-230805-5 | WAN-WGWC-13 |
| 680-230805-6 | WAN-WGWC-14A |
| 680-230805-7 | WAN-WGWC-17 |
| 680-230805-8 | WAN-WGWC-19 |
| 680-230805-9 | WAN-WGWC-20 |

| Laboratory IDs | Client IDs |
|----------------|---------------|
| 680-230805-10 | WAN-WGWC-21 |
| 680-230805-11 | WAN-WGWC-26D |
| 680-230805-12 | WAN-WGWC-27 |
| 680-230805-13 | WAN-API-FD-02 |
| 680-230805-14 | WAN-API-FD-03 |
| 680-230805-15 | WAN-API-FB-08 |
| 680-230805-16 | WAN-API-FB-09 |
| 680-230805-17 | WAN-API-EB-02 |
| 680-230805-18 | WAN-API-EB-03 |

The samples were received within 0-6 degrees Celsius (°C). No sample preservation issues were noted by the laboratory.

The field pH data included in the laboratory report were not validated.

The laboratory report was revised on 3/6/2023 to correct the pH transcription error for WAN-WGWC-17 and chromium results to USEPA Method 6020B for sample WAN-WGWC-13. The laboratory report was identified as 680-230805-1, Revision 1.

A “U” qualification was added to the nondetect data in the electronic data deliverable (EDD).

1.0 METALS

The samples were analyzed for metals by US EPA methods 3005A/6020B. (Mercury was evaluated separately in Section 2.0, below)

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Time
- ⊗ Method Blank

- ⊗ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Equipment Blank
- ⊗ Field Blank
- ⊗ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

1.1 Overall Assessment

The metals data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.2 Holding Time

The holding time for the metals analysis of a water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three method blanks were reported (batches 764270, 764281 and 768711). Metals were not detected in the method blanks above the method detection limits (MDLs), with the following exception.

Boron was detected in the method blank in batch 764270 at an estimated concentration greater than the MDL and less than the reporting limit (RL). Therefore, the estimated concentration of boron in sample WAN-WGWC-14A was U qualified as not detected above the RL.

| Sample ID | Compound | Laboratory Result (mg/L) | Laboratory Flag | Validation Result (mg/L) | Validation Qualifier* | Reason Code** |
|--------------|----------|--------------------------|-----------------|--------------------------|-----------------------|---------------|
| WAN-WGWC-14A | Boron | 0.030 | J B | 0.080 | U | 3 |

mg/L-milligram per liter

J-the result is less than RL but greater than the MDL and the concentration is an approximate value

B-laboratory flag indicating the compound was found in both the blank and the sample

* Validation qualifiers are defined in Attachment 1 at the end of this report

**Reason codes are defined in Attachment 2 at the end of this report

1.4 **Matrix Spike/Matrix Spike Duplicate (MS/MSD)**

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One sample set specific MS/MSD pair was reported, using sample WAN-WGWC-27. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria, with the following exception.

The MS recoveries of calcium and sodium were low and outside of laboratory specified acceptance criteria. The MS recovery and RPD of iron were high and outside of laboratory specified acceptance criteria. Therefore, the concentrations of calcium and sodium in sample WAN-WGWC-27 were J- qualified as estimated with a low bias and the concentration of iron was J qualified as estimated.

Two batch MS/MSD pairs were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

| Sample ID | Compound | Laboratory Result (mg/L) | Laboratory Flag | Validation Result (mg/L) | Validation Qualifier | Reason Code |
|-------------|----------|--------------------------|-----------------|--------------------------|----------------------|-------------|
| WAN-WGWC-27 | Calcium | 19 | F1 | 19 | J- | 4 |
| WAN-WGWC-27 | Sodium | 15 | F1 | 15 | J- | 4 |
| WAN-WGWC-27 | Iron | 0.42 | F1 F2 | 0.42 | J+ | 4 |

mg/L- milligram per liter

F1- laboratory flag indicating the MS and/or MSD was outside acceptance criteria

F2- laboratory flag indicating the RPD was outside acceptance criteria

1.5 **Laboratory Control Sample (LCS)**

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three LCSs were reported. The recovery and RPD results were within the laboratory specified acceptance criteria.

1.6 **Equipment Blank**

Two equipment blanks, WAN-AP1-EB-02 and WAN-AP1-EB-03, were collected with the sample set. Metals were not detected in the equipment blanks above the MDLs.

1.7 **Field Blank**

Two field blanks, WAN-AP1-FB-08 and WAN-AP1-FB-09, were collected with the sample set. Metals were not detected in the field blanks above the MDLs, with the following exceptions.

Calcium and potassium were detected in WAN-AP1-FB-08 at estimated concentrations greater than the MDLs and less than the RLs and sodium (0.60 mg/L) was detected at a concentration greater than the RL. Therefore, the concentrations of sodium in samples WAN-WGWC-10, WAN-WGWC-11, WAN-WGWC-12 and WAN-WGWC-14A were J+ qualified as estimated with high bias. Since calcium and potassium were either not detected or detected at concentrations greater than the RLs, no qualifications were applied to the calcium and potassium data.

| Sample ID | Compound | Laboratory Result (mg/L) | Laboratory Flag | Validation Result (mg/L) | Validation Qualifier | Reason Code |
|--------------|----------|--------------------------|-----------------|--------------------------|----------------------|-------------|
| WAN-WGWC-10 | Sodium | 3.6 | NA | 3.6 | J+ | 3 |
| WAN-WGWC-11 | Sodium | 3.4 | NA | 3.4 | J+ | 3 |
| WAN-WGWC-12 | Sodium | 5.8 | NA | 5.8 | J+ | 3 |
| WAN-WGWC-14A | Sodium | 4.0 | NA | 4.0 | J+ | 3 |

mg/L-milligram per liter

NA-not applicable

1.8 Field Duplicate

Two field duplicate samples, WAN-AP1-FD-02 and WAN-AP1-FD-03, were collected with the sample set. Acceptable precision ($RPD \leq 20\%$ or the difference between the concentrations $< RL$) was demonstrated between the field duplicates and the original samples, WAN-WGWC-26D and WAN-WGWC-8, respectively, with the following exception.

Beryllium was detected at a concentration greater than the MDL and less than the RL in WAN-AP1-FD-03 and was detected at a concentration greater than the RL in WAN-WGWC-8, resulting in a noncalculable RPD. Therefore, based on professional and technical judgment, the beryllium concentrations in WAN-AP1-FD-01 and WAN-WGWC-8 were J qualified as estimated.

| Sample | Analyte | Laboratory Result (mg/l) | Laboratory Flag | RPD | Validation Result (mg/l) | Validation Qualifier | Reason Code |
|---------------|-----------|--------------------------|-----------------|-----|--------------------------|----------------------|-------------|
| WAN-AP1-FD-03 | Beryllium | 0.0024 | J | NC | 0.0024 | J | 7 |
| WAN-WGWC-8 | Beryllium | 0.0025 | NA | | 0.0025 | J | 7 |

mg/L-milligram per liter

J-the result is less than RL but greater than the MDL and the concentration is an approximate value

NA-not applicable

NC-not calculable

RPD-relative percent difference

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 MERCURY

The samples were analyzed for mercury by US EPA Method 7470A.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Time
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

2.1 Overall Assessment

The mercury data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

2.2 Holding Time

The holding time for the mercury analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two method blanks were reported (batches 764334 and 764336). Mercury was not detected in the method blanks above the MDL.

2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One sample set specific MS/MSD pair was reported, using sample WAN-WGWC-27. The recovery and RPD results were within the laboratory specified acceptance criteria.

One batch MS/MSD pair was also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

2.6 Equipment Blank

Two equipment blanks, WAN-AP1-EB-02 and WAN-AP1-EB-03, were collected with the sample set. Mercury was not detected in the equipment blanks above the MDL.

2.7 Field Blank

Two field blanks, WAN-AP1-FB-08 and WAN-AP1-FB-09, were collected with the sample set. Mercury was not detected in the field blanks above the MDL.

2.8 Field Duplicate

Two field duplicate samples, WAN-AP1-FD-02 and WAN-AP1-FD-03, were collected with the sample set. Acceptable precision (RPD < 20% or the difference between the concentrations < RL) was demonstrated between the field duplicates and the original samples, WAN-WGWC-26D and WAN-WGWC-8, respectively.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable Review

Results and sample ID in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD

3.0 WET CHEMISTRY

The samples were analyzed for anions by US EPA method 300.0, total sulfide by SM 4500 S2 F-2011, TDS by SM 2540C and alkalinity by SM 2320B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ✓ Method Blank
- ⊗ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Equipment Blank
- ✓ Field Blank
- ⊗ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

3.1 Overall Assessment

3.1.1 Completeness

The wet chemistry data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

3.1.2 Analysis Anomaly

The laboratory noted that samples WAN-WGWC-8, WAN-WGWC-11, WAN-WGWC-12, WAN-WGWC-19, WAN-WGWC-20, WAN-WGWC-21, WAN-WGWC-26D, WAN-WGWC-27, WAN-AP1-FD-02, WAN-AP1-FD-03 and WAN-AP1-FB-09 were analyzed with headspace

in the sample containers for total sulfide analysis. Since the samples were preserved and based on professional and technical judgment, no qualifications were applied to the data.

3.2 Holding Times

The holding time for the anions (fluoride, chloride, sulfate) analysis of a water sample is 28 days from sample collection to analysis. The holding time for the TDS analysis of a water sample is 7 days from sample collection to analysis. The holding time for the alkalinity analysis of a water sample is 14 days from sample collection to analysis. The holding time for the sulfide analysis of a water sample is 7 days from sample collection to analysis. The holding times were met for the sample analyses.

3.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four method blanks were reported for anions (batches 764879, 765703, 765704 and 765879). Two method blanks were reported for total sulfide (batches 764636 and 764693). Two method blanks were reported for TDS (batches 764476 and 764716). Two method blanks were reported for alkalinity (batches 764663 and 764666). The wet chemistry parameters were not detected in the method blanks above the MDLs.

3.4 Matrix Spike/Matrix Spike Duplicate

Two sample set specific MS/MSD pairs were reported for anions, using samples WAN-WGWC-10 and WAN-WGWC-27. One sample set specific MS/MSD pair was reported for sulfide, using sample WAN-WGWC-19. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

The recoveries of chloride in the MS/MSD pair using sample WAN-WGWC-27 were high and outside of laboratory specified acceptance criteria. Therefore, the detected concentration of chloride in sample WAN-WGWC-27 was J+ qualified as estimated with a high bias.

Batch MS/MSD pairs were also reported for anions and total sulfide. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

| Sample ID | Compound | Laboratory Result (mg/L) | Laboratory Flag | Validation Result (mg/L) | Validation Qualifier | Reason Code |
|-------------|----------|--------------------------|-----------------|--------------------------|----------------------|-------------|
| WAN-WGWC-27 | Chloride | 22 | F1 | 22 | J+ | 4 |

mg/L- milligram per liter

F1- laboratory flag indicating the MS and/or MSD was outside acceptance criteria

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). An LCS/LCSD pair was reported for each analytical batch per analysis. The recovery and RPD results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

Two sample set specific laboratory duplicates were reported for alkalinity, using samples WAN-WGWC-8 and WAN-API-FD-03. One sample set specific laboratory duplicate was reported for TDS using sample WAN-WGWC-26D. One sample set specific laboratory duplicate was reported for total sulfide using sample WAN-WGWC-13. The RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

The RPDs for bicarbonate alkalinity and total alkalinity in laboratory duplicate using sample WAN-WGWC-8 were high and outside of laboratory specified acceptance criteria. Since the bicarbonate alkalinity and total alkalinity concentrations in the sample and laboratory duplicate were less than five times the RL and the absolute difference between the two concentrations were less than the RL, no qualifications were applied to the data.

Batch laboratory duplicates were also reported for TDS, anions and total sulfide. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.7 Equipment Blank

Two equipment blanks, WAN-AP1-EB-02 and WAN-AP1-EB-03, were collected with the sample set. The wet chemistry parameters were not detected in the equipment blanks above the MDLs.

3.8 Field Blank

Two field blanks, WAN-AP1-FB-08 and WAN-AP1-FB-09, were collected with the sample set. The wet chemistry parameters were not detected in the field blanks above the MDLs.

3.9 Field Duplicate

Two field duplicate samples, WAN-AP1-FD-02 and WAN-AP1-FD-03, were collected with the sample set. Acceptable precision (RPD < 20% or the difference between the concentrations < RL) was demonstrated between the field duplicates and the original samples, WAN-WGWC-26D and WAN-WGWC-8, respectively, with the following exceptions.

The RPDs for bicarbonate alkalinity and total alkalinity in the field duplicate pair, WAN-AP1-FD-02/WAN-WGWC-26D, were greater than 20%. Therefore, the bicarbonate alkalinity and total alkalinity concentrations in the field duplicate pair were J qualified as estimated.

| Sample | Analyte | Laboratory Result (mg/l) | Laboratory Flag | RPD | Validation Result (mg/l) | Validation Qualifier | Reason Code |
|---------------|---|--------------------------|-----------------|-----|--------------------------|----------------------|-------------|
| WAN-AP1-FD-02 | Bicarbonate Alkalinity as CaCO ₃ | 39 | NA | 60 | 39 | J | 7 |
| WAN-WGWC-26D | Bicarbonate Alkalinity as CaCO ₃ | 21 | NA | | 21 | J | 7 |
| WAN-AP1-FD-02 | Total Alkalinity as CaCO ₃ | 39 | NA | 60 | 39 | J | 7 |
| WAN-WGWC-26D | Total Alkalinity as CaCO ₃ | 21 | NA | | 21 | J | 7 |

mg/L-milligram per liter

NA-not applicable

RPD-relative percent difference

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

**DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team**

DATA QUALIFIER DEFINITIONS

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to “not detected at or above the reported result”.

- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

- J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

- J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

| Valid Value | Description |
|--------------------|--|
| 1 | Preservation requirement not met |
| 2 | Analysis holding time exceeded |
| 3 | Blank contamination (i.e., method, trip, equipment, etc.) |
| 4 | Matrix spike/matrix spike duplicate recovery or RPD outside limits |
| 5 | LCS or RPD recovery outside limits (LCS/LCSD) |
| 6 | Surrogate recovery outside limits |
| 7 | Field Duplicate RPD exceeded |
| 8 | Serial dilution percent difference exceeded |
| 9 | Calibration criteria not met |
| 10 | Linear range exceeded |
| 11 | Internal standard criteria not met |
| 12 | Lab duplicates RPD exceeded |
| 13 | Other |
| 14 | Lab flag removed or modified: no validation qualification required |

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample duplicate

RPD - Relative percent difference

Memorandum

Date: April 24, 2023
To: Adria Reimer
From: Kristoffer Henderson
CC: J. Caprio
Subject: **Stage 2A Data Validation - Level II Data Deliverable – Eurofins
Laboratory Job ID 680-230805-2**

SITE: Plant Wansley Ash Pond

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of twelve aqueous samples, two field duplicate samples, two equipment blanks and two field blanks, collected 16 February 2022, as part of the Plant Wansley Ash Pond on-site sampling event.

The samples were analyzed at Eurofins St. Louis; Earth City, Missouri, for the following analytical tests:

- Radium-226 by US EPA Method 9315
- Radium-228 by US EPA Method 9320
- Total Radium by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. Qualified data should be used within the limitation of the qualification.

The data were reviewed based on the pertinent methods referenced in the laboratory report, professional and technical judgment and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011);
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006); and

- American National Standard, Verification and Validation of Radiological Data for use in Waste Management and Environmental Remediation, February 15, 2012 (ANSI/ANS-41.5-2012).

The following samples were analyzed and reported in the laboratory report:

| Laboratory ID | Client ID |
|---------------|--------------|
| 680-230805-1 | WAN-WGWC-8 |
| 680-230805-2 | WAN-WGWC-10 |
| 680-230805-3 | WAN-WGWC-11 |
| 680-230805-4 | WAN-WGWC-12 |
| 680-230805-5 | WAN-WGWC-13 |
| 680-230805-6 | WAN-WGWC-14A |
| 680-230805-7 | WAN-WGWC-17 |
| 680-230805-8 | WAN-WGWC-19 |
| 680-230805-9 | WAN-WGWC-20 |

| Laboratory ID | Client ID |
|---------------|---------------|
| 680-230805-10 | WAN-WGWC-21 |
| 680-230805-11 | WAN-WGWC-26D |
| 680-230805-12 | WAN-WGWC-27 |
| 680-230805-13 | WAN-AP1-FD-02 |
| 680-230805-14 | WAN-AP1-FD-03 |
| 680-230805-15 | WAN-AP1-FB-08 |
| 680-230805-16 | WAN-AP1-FB-09 |
| 680-230805-17 | WAN-AP1-EB-02 |
| 680-230805-18 | WAN-AP1-EB-03 |

The non-radiochemistry data was reported in laboratory report 680-230805-1.

1.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA method 9315, radium-228 by US EPA method 9320 and total radium by calculation.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ⊗ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Tracers and Carriers
- ⊗ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

1.1 Overall Assessment

The radium-226 and radium-228 data reported in this data set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.2 Holding Times

The holding times for the radium-226 and radium-228 analyses of a water sample are 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported for the radium-226 data (batch 602054). One method blank was reported for the radium-228 data (batch 602055). Radium-226 and radium-228 were not detected in the method blanks above the minimum detectable concentrations (MDCs).

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD pairs were not reported with the data.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS/LCS duplicate (LCSD) pair was reported for radium-226 and one LCS/LCSD pair was reported for radium-228. The recovery and replicate error ratio (RER) results were within the laboratory specified acceptance criteria, with the following exception.

The recoveries of radium-228 in the LCS/LCSD pair in batch 602055 were high and outside of the laboratory specified acceptance criteria. Therefore, the combined radium concentration in sample WAN-WGWC-20, the radium-228 concentration in sample WAN-AP1-EB-02 and the radium-228 and combined radium concentrations in samples WAN-AP1-FD-02, WAN-AP1-FD-03, WAN-WGWC-26D, WAN-WGWC-27 and WAN-WGWC-8 were J+ qualified as estimated with high bias. Since the radium-228 concentration in sample WAN-WGWC-20 was U qualified as non-detect due to equipment blank contamination and the combined radium concentration in sample WAN-AP1-EB-02 was less than the MDC and based on professional and technical judgment, no additional qualifications were applied to the data.

| Sample | Analyte | Laboratory Result (pCi/L) | Laboratory Flag | Validation Result (pCi/L) | Validation Qualifier | Reason Code |
|---------------|---------------------------|---------------------------|-----------------|---------------------------|----------------------|-------------|
| WAN-AP1-EB-03 | Radium-228 | 0.64 | NA | 0.64 | J+ | 5 |
| WAN-AP1-FD-02 | Radium-228 | 3.27 | NA | 3.27 | J+ | 5 |
| WAN-AP1-FD-02 | Combined Radium 226 + 228 | 5.89 | NA | 5.89 | J+ | 5 |
| WAN-AP1-FD-03 | Radium-228 | 2.53 | NA | 2.53 | J+ | 5 |
| WAN-AP1-FD-03 | Combined Radium 226 + 228 | 3.05 | NA | 3.05 | J+ | 5 |
| WAN-WGWC-20 | Combined Radium 226 + 228 | 0.853 | NA | 0.853 | J+ | 5 |
| WAN-WGWC-26D | Radium-228 | 2.94 | NA | 2.94 | J+ | 5 |
| WAN-WGWC-26D | Combined Radium 226 + 228 | 5.49 | NA | 5.49 | J+ | 5 |
| WAN-WGWC-27 | Radium-228 | 1.47 | NA | 1.47 | J+ | 5 |
| WAN-WGWC-27 | Combined Radium 226 + 228 | 2.16 | NA | 2.16 | J+ | 5 |
| WAN-WGWC-8 | Radium-228 | 2.59 | NA | 2.59 | J+ | 5 |
| WAN-WGWC-8 | Combined Radium 226 + 228 | 3.04 | NA | 3.04 | J+ | 5 |

pCi/L-picocuries per liter

NA-not applicable

* Validation qualifiers are defined in Attachment 1 at the end of this report

**Reason codes are defined in Attachment 2 at the end of this report

1.6 Laboratory Duplicate

Laboratory duplicates were not reported with the data.

1.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 Equipment Blank

Two equipment blanks, WAN-AP1-EB-02 and WAN-AP1-EB-03 were collected with the sample set. Radium-226 and Radium-228 were not detected in the equipment blanks above the MDCs, with the following exception.

Radium-228 was detected in WAN-AP1-EB-03 at a concentration greater than the MDC. Therefore, the radium-228 concentration in sample WAN-WGWC-20 was U qualified as not detected at the reported concentration and the combined radium concentration in sample WAN-WGWC-20 and the radium-228 and combined radium concentrations in samples WAN-AP1-FD-

02, WAN-AP1-FD-03, WAN-WGWC-26D, WAN-WGWC-27 and WAN-WGWC-8 were J+ qualified as estimated with high bias.

| Sample | Analyte | Laboratory Result (pCi/L) | Laboratory Flag | Validation Result (pCi/L) | Validation Qualifier | Reason Code |
|---------------|---------------------------|---------------------------|-----------------|---------------------------|----------------------|-------------|
| WAN-AP1-FD-02 | Radium-228 | 3.27 | NA | 3.27 | J+ | 3 |
| WAN-AP1-FD-02 | Combined Radium 226 + 228 | 5.89 | NA | 5.89 | J+ | 3 |
| WAN-AP1-FD-03 | Radium-228 | 2.53 | NA | 2.53 | J+ | 3 |
| WAN-AP1-FD-03 | Combined Radium 226 + 228 | 3.05 | NA | 3.05 | J+ | 3 |
| WAN-WGWC-20 | Radium-228 | 0.639 | NA | 0.639 | U | 3 |
| WAN-WGWC-20 | Combined Radium 226 + 228 | 0.853 | NA | 0.853 | J+ | 3 |
| WAN-WGWC-26D | Radium-228 | 2.94 | NA | 2.94 | J+ | 3 |
| WAN-WGWC-26D | Combined Radium 226 + 228 | 5.49 | NA | 5.49 | J+ | 3 |
| WAN-WGWC-27 | Radium-228 | 1.47 | NA | 1.47 | J+ | 3 |
| WAN-WGWC-27 | Combined Radium 226 + 228 | 2.16 | NA | 2.16 | J+ | 3 |
| WAN-WGWC-8 | Radium-228 | 2.59 | NA | 2.59 | J+ | 3 |
| WAN-WGWC-8 | Combined Radium 226 + 228 | 3.04 | NA | 3.04 | J+ | 3 |

pCi/L-picocuries per liter

NA-not applicable

1.9 Field Blank

Two field blanks, WAN-AP1-FB-08 and WAN-AP1-FB-09 were collected with the sample set. Radium-226 and Radium-228 were not detected in the field blank above the MDCs.

1.10 Field Duplicate

Two field duplicate samples, WAN-AP1-FD-02 and WAN-AP1-FD-03, were collected with the sample set. Acceptable precision ($RER (2\sigma) < 3$) was demonstrated between the field duplicates and the original samples, WAN-WGWC-26D and WAN-WGWC-8, respectively.

1.11 Sensitivity

The samples were reported to the MDCs. Elevated non-detect results were not reported.

1.12 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

* * * * *

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to “not detected at or above the reported result”.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.
- J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

| Valid Value | Description |
|--------------------|--|
| 1 | Preservation requirement not met |
| 2 | Analysis holding time exceeded |
| 3 | Blank contamination (i.e., method, trip, equipment, etc.) |
| 4 | Matrix spike/matrix spike duplicate recovery or RPD outside limits |
| 5 | LCS or RPD recovery outside limits (LCS/LCSD) |
| 6 | Surrogate recovery outside limits |
| 7 | Field Duplicate RPD exceeded |
| 8 | Serial dilution percent difference exceeded |
| 9 | Calibration criteria not met |
| 10 | Linear range exceeded |
| 11 | Internal standard criteria not met |
| 12 | Lab duplicates RPD exceeded |
| 13 | Other |
| 14 | Lab flag removed or modified: no validation qualification required |

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample duplicate

RPD - Relative percent difference

APPENDIX B3

Field Sampling Forms

Low-Flow Test Report:

Test Date / Time: 2/17/2023 9:51:13 AM

Project: Plant Wansley Ash Pond

Operator Name: Hunter Auld

| | | |
|---|---|--|
| Location Name: PZ-A2S Well Diameter: 2 in Casing Type: PVC Screen Length: 5 ft Top of Screen: 53.4 ft Total Depth: 58.41 ft Initial Depth to Water: 30.47 ft | Pump Type: Portable Bladder Pump Tubing Type: Poly Pump Intake From TOC: 56.4 ft Estimated Total Volume Pumped: 12.3 liter Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 0 in | Instrument Used: Aqua TROLL 400 Serial Number: 877800 |
|---|---|--|

Test Notes:

Sampled at 1105 on 2-17-23. Cloudy, 46.

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 | +/- 100 | +/- 0.1 | |
| 2/17/2023 9:51 AM | 00:00 | 7.03 pH | 13.40 °C | 29.46 µS/cm | 10.44 mg/L | 5.00 NTU | 268.9 mV | 30.47 ft | 150.00 ml/min |
| 2/17/2023 9:56 AM | 05:00 | 8.27 pH | 15.68 °C | 2,517.9 µS/cm | 1.71 mg/L | 3.30 NTU | 131.0 mV | 30.45 ft | 150.00 ml/min |
| 2/17/2023 10:01 AM | 10:00 | 8.81 pH | 17.46 °C | 2,494.9 µS/cm | 0.42 mg/L | 3.20 NTU | 126.9 mV | 30.45 ft | 150.00 ml/min |
| 2/17/2023 10:06 AM | 15:00 | 8.87 pH | 18.07 °C | 2,486.5 µS/cm | 0.31 mg/L | 4.20 NTU | 105.8 mV | 30.45 ft | 150.00 ml/min |
| 2/17/2023 10:11 AM | 20:00 | 8.90 pH | 17.87 °C | 2,482.5 µS/cm | 0.25 mg/L | 4.10 NTU | 101.4 mV | 30.45 ft | 150.00 ml/min |
| 2/17/2023 10:16 AM | 25:00 | 8.91 pH | 17.77 °C | 2,490.2 µS/cm | 0.20 mg/L | 5.70 NTU | 106.9 mV | 30.45 ft | 150.00 ml/min |
| 2/17/2023 10:21 AM | 30:00 | 8.93 pH | 17.70 °C | 2,486.2 µS/cm | 0.18 mg/L | 5.50 NTU | 97.6 mV | 30.45 ft | 150.00 ml/min |
| 2/17/2023 10:26 AM | 35:00 | 8.94 pH | 17.72 °C | 2,486.7 µS/cm | 0.17 mg/L | 5.80 NTU | 95.4 mV | 30.45 ft | 150.00 ml/min |
| 2/17/2023 10:31 AM | 40:00 | 8.96 pH | 17.46 °C | 2,472.3 µS/cm | 0.16 mg/L | 6.30 NTU | 93.5 mV | 30.45 ft | 125.00 ml/min |
| 2/17/2023 10:36 AM | 45:00 | 9.04 pH | 17.28 °C | 2,497.5 µS/cm | 0.16 mg/L | 9.20 NTU | 90.9 mV | 30.45 ft | 125.00 ml/min |
| 2/17/2023 10:41 AM | 50:00 | 9.53 pH | 18.41 °C | 2,614.9 µS/cm | 0.19 mg/L | 10.90 NTU | 71.6 mV | 30.45 ft | 250.00 ml/min |
| 2/17/2023 10:46 AM | 55:00 | 9.68 pH | 18.48 °C | 2,635.9 µS/cm | 0.11 mg/L | 7.50 NTU | 52.7 mV | 30.45 ft | 250.00 ml/min |
| 2/17/2023 10:51 AM | 01:00:00 | 9.69 pH | 18.57 °C | 2,629.3 µS/cm | 0.09 mg/L | 6.03 NTU | 17.7 mV | 30.45 ft | 250.00 ml/min |
| 2/17/2023 10:56 AM | 01:05:00 | 9.68 pH | 18.53 °C | 2,616.0 µS/cm | 0.08 mg/L | 4.88 NTU | 13.7 mV | 30.45 ft | 250.00 ml/min |
| 2/17/2023 11:01 AM | 01:10:00 | 9.66 pH | 18.26 °C | 2,608.4 µS/cm | 0.07 mg/L | 4.70 NTU | -18.5 mV | 30.45 ft | 250.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/17/2023 10:50:39 AM

Project: Plant Wansley Ash Pond

Operator Name: A. Schnittker

| | | |
|---|---|--|
| Location Name: PZ-A2M Well Diameter: 2 in Casing Type: PVC Screen Length: 5 ft Top of Screen: 74.7 ft Total Depth: 79.75 ft Initial Depth to Water: 30.62 ft | Pump Type: Portable Bladder Pump Tubing Type: Poly Pump Intake From TOC: 76 ft Estimated Total Volume Pumped: 12 liter Flow Cell Volume: 90 ml Final Flow Rate: 300 ml/min Final Draw Down: 2 in | Instrument Used: Aqua TROLL 400 Serial Number: 884186 |
|---|---|--|

Test Notes:

Sample time 1130. Cloudy 50s.

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|----------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 100 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 0.3 | |
| 2/17/2023 10:50 AM | 00:00 | 11.85 pH | 18.17 °C | 3,033.3 µS/cm | 4.56 mg/L | 2.42 NTU | 5.3 mV | 30.62 ft | 300.00 ml/min |
| 2/17/2023 10:55 AM | 05:00 | 11.56 pH | 18.71 °C | 2,971.4 µS/cm | 3.45 mg/L | 2.08 NTU | 15.6 mV | 30.80 ft | 300.00 ml/min |
| 2/17/2023 11:00 AM | 10:00 | 10.32 pH | 18.78 °C | 2,920.6 µS/cm | 1.62 mg/L | 2.63 NTU | 24.9 mV | 30.80 ft | 300.00 ml/min |
| 2/17/2023 11:05 AM | 15:00 | 9.87 pH | 18.93 °C | 2,849.8 µS/cm | 0.30 mg/L | 3.47 NTU | 41.0 mV | 30.80 ft | 300.00 ml/min |
| 2/17/2023 11:10 AM | 20:00 | 9.85 pH | 19.02 °C | 2,817.8 µS/cm | 0.18 mg/L | 4.97 NTU | 29.3 mV | 30.80 ft | 300.00 ml/min |
| 2/17/2023 11:15 AM | 25:00 | 9.83 pH | 19.17 °C | 2,983.2 µS/cm | 0.16 mg/L | 4.06 NTU | 0.1 mV | 30.80 ft | 300.00 ml/min |
| 2/17/2023 11:20 AM | 30:00 | 9.85 pH | 19.29 °C | 3,496.7 µS/cm | 0.10 mg/L | 3.41 NTU | -54.6 mV | 30.80 ft | 300.00 ml/min |
| 2/17/2023 11:25 AM | 35:00 | 9.85 pH | 19.27 °C | 3,567.1 µS/cm | 0.06 mg/L | 3.22 NTU | -77.4 mV | 30.80 ft | 300.00 ml/min |
| 2/17/2023 11:30 AM | 40:00 | 9.84 pH | 19.17 °C | 3,582.8 µS/cm | 0.05 mg/L | 3.43 NTU | -35.3 mV | 30.80 ft | 300.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/17/2023 9:20:04 AM

Project: Plant Wansley Ash Pond

Operator Name: A. Schnittker

| | | |
|--|---|--|
| Location Name: PZ-A2D Well Diameter: 2 in Casing Type: PVC Screen Length: 5 ft Top of Screen: 90.9 ft Total Depth: 95.9 ft Initial Depth to Water: 30.31 ft | Pump Type: Portable Bladder Pump Tubing Type: Poly Pump Intake From TOC: 92 ft Estimated Total Volume Pumped: 8 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 51 in | Instrument Used: Aqua TROLL 400 Serial Number: 884186 |
|--|---|--|

Test Notes:

Sample time 1000. Cloudy 50s.

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 100 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 0.3 | |
| 2/17/2023 9:20 AM | 00:00 | 7.26 pH | 17.35 °C | 279.08 µS/cm | 7.20 mg/L | 7.18 NTU | 165.8 mV | 30.31 ft | 200.00 ml/min |
| 2/17/2023 9:25 AM | 05:00 | 7.49 pH | 17.77 °C | 283.12 µS/cm | 6.84 mg/L | 9.45 NTU | 114.4 mV | 33.70 ft | 200.00 ml/min |
| 2/17/2023 9:30 AM | 10:00 | 7.56 pH | 18.13 °C | 291.58 µS/cm | 6.65 mg/L | 13.40 NTU | 118.1 mV | 34.60 ft | 200.00 ml/min |
| 2/17/2023 9:35 AM | 15:00 | 7.58 pH | 18.22 °C | 298.22 µS/cm | 6.53 mg/L | 15.30 NTU | 111.6 mV | 34.60 ft | 200.00 ml/min |
| 2/17/2023 9:40 AM | 20:00 | 7.60 pH | 18.37 °C | 304.07 µS/cm | 6.41 mg/L | 8.53 NTU | 90.7 mV | 34.60 ft | 200.00 ml/min |
| 2/17/2023 9:45 AM | 25:00 | 7.61 pH | 18.30 °C | 305.72 µS/cm | 6.29 mg/L | 6.34 NTU | 104.8 mV | 34.60 ft | 200.00 ml/min |
| 2/17/2023 9:50 AM | 30:00 | 7.61 pH | 18.29 °C | 307.02 µS/cm | 6.25 mg/L | 5.97 NTU | 88.6 mV | 34.60 ft | 200.00 ml/min |
| 2/17/2023 9:55 AM | 35:00 | 7.61 pH | 18.33 °C | 309.13 µS/cm | 6.22 mg/L | 4.49 NTU | 103.1 mV | 34.60 ft | 200.00 ml/min |
| 2/17/2023 10:00 AM | 40:00 | 7.61 pH | 18.38 °C | 310.64 µS/cm | 6.21 mg/L | 3.58 NTU | 102.8 mV | 34.60 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/14/2023 10:25:07 AM

Project: Plant Wansley Ash Pond

Operator Name: A. Schnittker

| | | |
|---|--|--|
| Location Name: WGWA-1 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 119.86 ft Total Depth: 129.86 ft Initial Depth to Water: 25.61 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 124 ft Estimated Total Volume Pumped: 8.3 liter Flow Cell Volume: 90 ml Final Flow Rate: 275 ml/min Final Draw Down: 3 in | Instrument Used: Aqua TROLL 400 Serial Number: 884186 |
|---|--|--|

Test Notes:

Sample time 1055. Sunny 60s.

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 100 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 0.3 | |
| 2/14/2023 10:25 AM | 00:00 | 5.33 pH | 16.78 °C | 32.62 µS/cm | 1.88 mg/L | 2.46 NTU | 226.8 mV | 25.61 ft | 275.00 ml/min |
| 2/14/2023 10:30 AM | 05:00 | 5.33 pH | 16.87 °C | 32.86 µS/cm | 1.61 mg/L | 2.58 NTU | 220.8 mV | 25.90 ft | 275.00 ml/min |
| 2/14/2023 10:35 AM | 10:00 | 5.33 pH | 16.99 °C | 33.02 µS/cm | 1.56 mg/L | 1.22 NTU | 221.1 mV | 25.90 ft | 275.00 ml/min |
| 2/14/2023 10:40 AM | 15:00 | 5.34 pH | 17.04 °C | 33.24 µS/cm | 1.55 mg/L | 1.04 NTU | 220.3 mV | 25.90 ft | 275.00 ml/min |
| 2/14/2023 10:45 AM | 20:00 | 5.36 pH | 16.99 °C | 33.40 µS/cm | 1.54 mg/L | 0.66 NTU | 218.5 mV | 25.90 ft | 275.00 ml/min |
| 2/14/2023 10:50 AM | 25:00 | 5.37 pH | 16.71 °C | 33.73 µS/cm | 1.55 mg/L | 0.61 NTU | 215.4 mV | 25.90 ft | 275.00 ml/min |
| 2/14/2023 10:55 AM | 30:00 | 5.37 pH | 17.12 °C | 33.65 µS/cm | 1.57 mg/L | 0.58 NTU | 215.7 mV | 25.90 ft | 275.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/14/2023 11:40:22 AM

Project: Plant Wansley Ash Pond

Operator Name: A. Schnittker

| | | |
|---|--|--|
| Location Name: WGWA-2 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 92.65 ft Total Depth: 102.65 ft Initial Depth to Water: 8.38 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 97 ft Estimated Total Volume Pumped: 6.9 liter Flow Cell Volume: 90 ml Final Flow Rate: 230 ml/min Final Draw Down: 10 in | Instrument Used: Aqua TROLL 400 Serial Number: 884186 |
|---|--|--|

Test Notes:

Sample time 1210. Sunny 60s.

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 100 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 0.3 | |
| 2/14/2023 11:40 AM | 00:00 | 6.02 pH | 16.13 °C | 117.58 µS/cm | 0.13 mg/L | 1.37 NTU | 110.7 mV | 8.38 ft | 230.00 ml/min |
| 2/14/2023 11:45 AM | 05:00 | 6.02 pH | 16.34 °C | 116.08 µS/cm | 0.05 mg/L | 0.96 NTU | 130.1 mV | 9.20 ft | 230.00 ml/min |
| 2/14/2023 11:50 AM | 10:00 | 6.03 pH | 16.39 °C | 116.72 µS/cm | 0.03 mg/L | 0.35 NTU | 132.3 mV | 9.20 ft | 230.00 ml/min |
| 2/14/2023 11:55 AM | 15:00 | 6.04 pH | 16.47 °C | 117.35 µS/cm | 0.04 mg/L | 0.28 NTU | 131.4 mV | 9.20 ft | 230.00 ml/min |
| 2/14/2023 12:00 PM | 20:00 | 6.05 pH | 16.56 °C | 118.01 µS/cm | 0.06 mg/L | 0.32 NTU | 130.3 mV | 9.20 ft | 230.00 ml/min |
| 2/14/2023 12:05 PM | 25:00 | 6.05 pH | 16.58 °C | 118.71 µS/cm | 0.07 mg/L | 0.35 NTU | 128.8 mV | 9.20 ft | 230.00 ml/min |
| 2/14/2023 12:10 PM | 30:00 | 6.06 pH | 16.61 °C | 119.34 µS/cm | 0.08 mg/L | 0.39 NTU | 127.8 mV | 9.20 ft | 230.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/14/2023 4:40:13 PM

Project: Plant Wansley Ash Pond

Operator Name: A. Schnittker

| | | |
|---|---|--|
| Location Name: WGWA-3 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 9 ft Total Depth: 19 ft Initial Depth to Water: 2.68 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 14 ft Estimated Total Volume Pumped: 9 liter Flow Cell Volume: 90 ml Final Flow Rate: 300 ml/min Final Draw Down: 1 in | Instrument Used: Aqua TROLL 400 Serial Number: 884186 |
|---|---|--|

Test Notes:

Sample time 1710. Sunny 60s.

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 100 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 0.3 | |
| 2/14/2023 4:40 PM | 00:00 | 5.46 pH | 16.60 °C | 31.10 µS/cm | 5.48 mg/L | 0.68 NTU | 228.7 mV | 2.68 ft | 300.00 ml/min |
| 2/14/2023 4:45 PM | 05:00 | 5.49 pH | 16.56 °C | 31.07 µS/cm | 5.41 mg/L | 0.43 NTU | 204.2 mV | 2.80 ft | 300.00 ml/min |
| 2/14/2023 4:50 PM | 10:00 | 5.50 pH | 16.52 °C | 31.11 µS/cm | 5.41 mg/L | 0.88 NTU | 193.9 mV | 2.80 ft | 300.00 ml/min |
| 2/14/2023 4:55 PM | 15:00 | 5.52 pH | 16.51 °C | 31.10 µS/cm | 5.41 mg/L | 0.26 NTU | 186.0 mV | 2.80 ft | 300.00 ml/min |
| 2/14/2023 5:00 PM | 20:00 | 5.52 pH | 16.51 °C | 31.15 µS/cm | 5.41 mg/L | 0.18 NTU | 225.3 mV | 2.80 ft | 300.00 ml/min |
| 2/14/2023 5:05 PM | 25:00 | 5.50 pH | 16.50 °C | 31.15 µS/cm | 5.42 mg/L | 0.26 NTU | 227.0 mV | 2.80 ft | 300.00 ml/min |
| 2/14/2023 5:10 PM | 30:00 | 5.49 pH | 16.52 °C | 31.14 µS/cm | 5.42 mg/L | 0.17 NTU | 181.1 mV | 2.80 ft | 300.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/15/2023 9:35:45 AM

Project: Plant Wansley Ash Pond

Operator Name: A. Schnittker

| | | |
|--|--|--|
| Location Name: WGWA-4 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 63.9 ft Total Depth: 73.9 ft Initial Depth to Water: 4.36 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 68 ft Estimated Total Volume Pumped: 4.5 liter Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 13 in | Instrument Used: Aqua TROLL 400 Serial Number: 884186 |
|--|--|--|

Test Notes:

Sample time 1005. Raining 60s.

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|--------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 100 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 0.3 | |
| 2/15/2023 9:35 AM | 00:00 | 6.68 pH | 15.22 °C | 134.65 µS/cm | 0.78 mg/L | 1.75 NTU | 5.3 mV | 4.36 ft | 150.00 ml/min |
| 2/15/2023 9:40 AM | 05:00 | 6.94 pH | 15.89 °C | 134.42 µS/cm | 0.01 mg/L | 1.31 NTU | -36.5 mV | 5.50 ft | 150.00 ml/min |
| 2/15/2023 9:45 AM | 10:00 | 7.14 pH | 15.97 °C | 133.83 µS/cm | 0.00 mg/L | 1.14 NTU | -51.6 mV | 5.50 ft | 150.00 ml/min |
| 2/15/2023 9:50 AM | 15:00 | 7.19 pH | 15.98 °C | 131.55 µS/cm | 0.00 mg/L | 0.62 NTU | -50.3 mV | 5.50 ft | 150.00 ml/min |
| 2/15/2023 9:55 AM | 20:00 | 7.20 pH | 16.03 °C | 129.68 µS/cm | 0.01 mg/L | 0.48 NTU | -46.1 mV | 5.50 ft | 150.00 ml/min |
| 2/15/2023 10:00 AM | 25:00 | 7.20 pH | 16.07 °C | 127.96 µS/cm | 0.03 mg/L | 0.51 NTU | -42.0 mV | 5.50 ft | 150.00 ml/min |
| 2/15/2023 10:05 AM | 30:00 | 7.21 pH | 16.07 °C | 126.80 µS/cm | 0.04 mg/L | 0.54 NTU | -64.9 mV | 5.50 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/14/2023 12:36:23 PM

Project: Plant Wansley Ash Pond

Operator Name: Hunter Auld

| | | |
|--|--|--|
| Location Name: WGWA-5 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 13.6 ft Total Depth: 23.6 ft Initial Depth to Water: 13.6 ft | Pump Type: Peristaltic Pump Tubing Type: Poly Pump Intake From TOC: 18 ft Estimated Total Volume Pumped: 27.3 liter Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 6.2 in | Instrument Used: Aqua TROLL 400 Serial Number: 877800 |
|--|--|--|

Test Notes:

Sampled at 1425 on 2-14-23. Partly cloudy, 68.

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 | +/- 100 | +/- 0.1 | |
| 2/14/2023 12:36 PM | 00:00 | 5.59 pH | 24.74 °C | 26.19 µS/cm | 7.10 mg/L | 14.00 NTU | 102.7 mV | 13.60 ft | 150.00 ml/min |
| 2/14/2023 12:41 PM | 05:00 | 5.43 pH | 18.39 °C | 25.30 µS/cm | 5.75 mg/L | 12.50 NTU | 101.7 mV | 13.85 ft | 150.00 ml/min |
| 2/14/2023 12:46 PM | 10:00 | 5.41 pH | 18.04 °C | 25.15 µS/cm | 5.79 mg/L | 12.60 NTU | 109.5 mV | 13.90 ft | 150.00 ml/min |
| 2/14/2023 12:51 PM | 15:00 | 5.39 pH | 18.07 °C | 24.53 µS/cm | 5.91 mg/L | 12.60 NTU | 114.8 mV | 13.95 ft | 150.00 ml/min |
| 2/14/2023 12:56 PM | 20:00 | 5.42 pH | 17.95 °C | 24.75 µS/cm | 5.83 mg/L | 12.30 NTU | 118.1 mV | 13.95 ft | 150.00 ml/min |
| 2/14/2023 1:01 PM | 25:00 | 5.35 pH | 17.81 °C | 23.66 µS/cm | 5.95 mg/L | 11.30 NTU | 122.7 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 1:06 PM | 30:00 | 5.33 pH | 17.55 °C | 23.19 µS/cm | 5.97 mg/L | 11.30 NTU | 126.0 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 1:11 PM | 35:00 | 5.33 pH | 17.46 °C | 23.42 µS/cm | 5.94 mg/L | 11.30 NTU | 128.2 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 1:16 PM | 40:00 | 5.32 pH | 17.23 °C | 22.95 µS/cm | 6.07 mg/L | 11.30 NTU | 130.0 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 1:21 PM | 45:00 | 5.36 pH | 17.19 °C | 23.80 µS/cm | 5.99 mg/L | 11.40 NTU | 131.3 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 1:26 PM | 50:00 | 5.34 pH | 17.10 °C | 24.32 µS/cm | 6.07 mg/L | 12.10 NTU | 132.1 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 1:31 PM | 55:00 | 5.36 pH | 17.06 °C | 23.86 µS/cm | 6.03 mg/L | 11.50 NTU | 132.0 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 1:36 PM | 01:00:00 | 5.35 pH | 17.05 °C | 23.63 µS/cm | 6.05 mg/L | 11.10 NTU | 133.0 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 1:41 PM | 01:05:00 | 5.33 pH | 17.06 °C | 23.59 µS/cm | 6.12 mg/L | 11.00 NTU | 133.8 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 1:46 PM | 01:10:00 | 5.34 pH | 17.05 °C | 23.32 µS/cm | 6.18 mg/L | 10.70 NTU | 134.1 mV | 14.00 ft | 150.00 ml/min |

| | | | | | | | | | |
|----------------------|----------|---------|----------|-------------|-----------|-----------|----------|----------|---------------|
| 2/14/2023 1:51 PM | 01:15:00 | 5.34 pH | 17.01 °C | 23.59 µS/cm | 6.15 mg/L | 10.90 NTU | 134.6 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 1:56 PM | 01:20:00 | 5.32 pH | 16.96 °C | 23.65 µS/cm | 6.22 mg/L | 10.80 NTU | 135.2 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 2:01 PM | 01:25:00 | 5.33 pH | 16.97 °C | 23.21 µS/cm | 6.17 mg/L | 10.50 NTU | 134.9 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 2:06 PM | 01:30:00 | 5.34 pH | 16.92 °C | 23.15 µS/cm | 6.23 mg/L | 10.50 NTU | 152.8 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 2:11 PM | 01:35:00 | 5.33 pH | 16.92 °C | 22.94 µS/cm | 6.25 mg/L | 10.10 NTU | 136.6 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 2:16 PM | 01:40:00 | 5.34 pH | 17.02 °C | 22.89 µS/cm | 6.26 mg/L | 9.90 NTU | 135.9 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 2:21 PM | 01:45:00 | 5.30 pH | 17.01 °C | 23.09 µS/cm | 6.27 mg/L | 9.80 NTU | 137.3 mV | 14.00 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/14/2023 10:41:28 AM

Project: Plant Wansley Ash Pond

Operator Name: Hunter Auld

| | | |
|---|--|--|
| Location Name: WGWA-5 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 13.6 ft Total Depth: 23.6 ft Initial Depth to Water: 13.48 ft | Pump Type: Peristaltic Pump Tubing Type: Poly Pump Intake From TOC: 18 ft Estimated Total Volume Pumped: 10.95 liter Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 6.24 in | Instrument Used: Aqua TROLL 400 Serial Number: 877800 |
|---|--|--|

Test Notes:

Low conductivity, recal. Will resume after recal.

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 | +/- 100 | +/- 0.1 | |
| 2/14/2023 10:41 AM | 00:00 | 8.09 pH | 27.07 °C | 2.88 µS/cm | 7.32 mg/L | 20.00 NTU | 227.5 mV | 13.48 ft | 150.00 ml/min |
| 2/14/2023 10:46 AM | 05:00 | 6.24 pH | 17.41 °C | 35.39 µS/cm | 5.26 mg/L | 18.50 NTU | 116.9 mV | 13.75 ft | 150.00 ml/min |
| 2/14/2023 10:51 AM | 10:00 | 5.88 pH | 17.24 °C | 31.28 µS/cm | 5.29 mg/L | 16.40 NTU | 117.1 mV | 13.80 ft | 150.00 ml/min |
| 2/14/2023 10:56 AM | 15:00 | 5.74 pH | 17.26 °C | 27.17 µS/cm | 5.35 mg/L | 16.30 NTU | 118.8 mV | 13.90 ft | 150.00 ml/min |
| 2/14/2023 11:01 AM | 20:00 | 5.65 pH | 17.45 °C | 25.47 µS/cm | 5.29 mg/L | 14.70 NTU | 132.7 mV | 13.90 ft | 150.00 ml/min |
| 2/14/2023 11:06 AM | 25:00 | 5.61 pH | 17.54 °C | 22.56 µS/cm | 5.32 mg/L | 14.70 NTU | 125.0 mV | 13.90 ft | 150.00 ml/min |
| 2/14/2023 11:11 AM | 30:00 | 5.54 pH | 17.50 °C | 22.50 µS/cm | 5.38 mg/L | 14.50 NTU | 128.0 mV | 13.90 ft | 150.00 ml/min |
| 2/14/2023 11:16 AM | 35:00 | 5.53 pH | 17.54 °C | 22.16 µS/cm | 5.37 mg/L | 14.20 NTU | 129.3 mV | 13.95 ft | 150.00 ml/min |
| 2/14/2023 11:21 AM | 40:00 | 5.51 pH | 17.63 °C | 20.74 µS/cm | 5.42 mg/L | 14.00 NTU | 130.2 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 11:26 AM | 45:00 | 5.44 pH | 17.70 °C | 19.42 µS/cm | 5.42 mg/L | 14.10 NTU | 133.1 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 11:31 AM | 50:00 | 5.46 pH | 17.72 °C | 20.02 µS/cm | 5.48 mg/L | 13.80 NTU | 133.6 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 11:36 AM | 55:00 | 5.42 pH | 17.83 °C | 18.86 µS/cm | 5.57 mg/L | 13.80 NTU | 135.3 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 11:41 AM | 01:00:00 | 5.42 pH | 17.80 °C | 18.24 µS/cm | 5.59 mg/L | 13.70 NTU | 135.6 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 11:46 AM | 01:05:00 | 5.41 pH | 17.81 °C | 18.18 µS/cm | 5.56 mg/L | 13.20 NTU | 136.6 mV | 14.00 ft | 150.00 ml/min |
| 2/14/2023 11:51 AM | 01:10:00 | 5.38 pH | 17.64 °C | 17.43 µS/cm | 5.83 mg/L | 13.10 NTU | 138.1 mV | 14.00 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/14/2023 3:00:54 PM

Project: Plant Wansley Ash Pond

Operator Name: Hunter Auld

| | | |
|--|---|--|
| Location Name: WGWA-6 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 94.5 ft Total Depth: 104.5 ft Initial Depth to Water: 16.61 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 99 ft Estimated Total Volume Pumped: 7.95 liter Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 10.7 in | Instrument Used: Aqua TROLL 400 Serial Number: 877800 |
|--|---|--|

Test Notes:

Sampled at 1553 on 2-14-23. Partly cloudy 68.

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 | +/- 100 | +/- 0.1 | |
| 2/14/2023 3:00 PM | 00:00 | 5.97 pH | 21.15 °C | 0.00 µS/cm | 8.40 mg/L | 10.00 NTU | 89.9 mV | 16.61 ft | 150.00 ml/min |
| 2/14/2023 3:05 PM | 05:00 | 6.45 pH | 17.71 °C | 172.11 µS/cm | 2.03 mg/L | 0.80 NTU | 136.1 mV | 16.80 ft | 150.00 ml/min |
| 2/14/2023 3:10 PM | 10:00 | 6.97 pH | 17.46 °C | 173.27 µS/cm | 0.39 mg/L | 0.90 NTU | 45.3 mV | 17.00 ft | 150.00 ml/min |
| 2/14/2023 3:15 PM | 15:00 | 7.16 pH | 17.47 °C | 174.18 µS/cm | 0.26 mg/L | 1.80 NTU | 50.0 mV | 17.20 ft | 150.00 ml/min |
| 2/14/2023 3:20 PM | 20:00 | 7.32 pH | 17.59 °C | 173.99 µS/cm | 0.21 mg/L | 1.40 NTU | 45.9 mV | 17.30 ft | 150.00 ml/min |
| 2/14/2023 3:25 PM | 25:00 | 7.45 pH | 17.41 °C | 174.41 µS/cm | 0.19 mg/L | 1.00 NTU | 36.7 mV | 17.40 ft | 150.00 ml/min |
| 2/14/2023 3:30 PM | 30:00 | 7.55 pH | 17.37 °C | 174.55 µS/cm | 0.19 mg/L | 1.00 NTU | 28.6 mV | 17.40 ft | 150.00 ml/min |
| 2/14/2023 3:35 PM | 35:00 | 7.63 pH | 17.30 °C | 174.82 µS/cm | 0.19 mg/L | 1.20 NTU | 19.7 mV | 17.40 ft | 150.00 ml/min |
| 2/14/2023 3:40 PM | 40:00 | 7.69 pH | 17.26 °C | 174.98 µS/cm | 0.20 mg/L | 0.80 NTU | 4.3 mV | 17.45 ft | 150.00 ml/min |
| 2/14/2023 3:45 PM | 45:00 | 7.74 pH | 17.30 °C | 174.76 µS/cm | 0.22 mg/L | 0.80 NTU | -10.3 mV | 17.50 ft | 150.00 ml/min |
| 2/14/2023 3:50 PM | 50:00 | 7.78 pH | 17.22 °C | 174.21 µS/cm | 0.23 mg/L | 0.90 NTU | -19.2 mV | 17.50 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/14/2023 3:10:11 PM

Project: Plant Wansley Ash Pond

Operator Name: A. Schnittker

| | | |
|---|---|--|
| Location Name: WGWA-7 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 29.6 ft Total Depth: 39.6 ft Initial Depth to Water: 26.72 ft | Pump Type: Peristaltic Pump Tubing Type: Poly Pump Intake From TOC: 34 ft Estimated Total Volume Pumped: 6.8 liter Flow Cell Volume: 90 ml Final Flow Rate: 225 ml/min Final Draw Down: 2 in | Instrument Used: Aqua TROLL 400 Serial Number: 884186 |
|---|---|--|

Test Notes:

Sample time 1540. Sunny 60s.

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 100 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 0.3 | |
| 2/14/2023 3:10 PM | 00:00 | 5.45 pH | 18.53 °C | 22.87 µS/cm | 6.78 mg/L | 0.19 NTU | 202.4 mV | 26.72 ft | 225.00 ml/min |
| 2/14/2023 3:15 PM | 05:00 | 5.41 pH | 17.55 °C | 23.49 µS/cm | 6.99 mg/L | 0.12 NTU | 201.4 mV | 26.90 ft | 225.00 ml/min |
| 2/14/2023 3:20 PM | 10:00 | 5.43 pH | 17.38 °C | 23.65 µS/cm | 7.08 mg/L | 0.15 NTU | 202.8 mV | 26.90 ft | 225.00 ml/min |
| 2/14/2023 3:25 PM | 15:00 | 5.43 pH | 17.23 °C | 23.68 µS/cm | 7.39 mg/L | 0.12 NTU | 202.7 mV | 26.90 ft | 225.00 ml/min |
| 2/14/2023 3:30 PM | 20:00 | 5.44 pH | 17.19 °C | 23.59 µS/cm | 7.59 mg/L | 0.30 NTU | 200.2 mV | 26.90 ft | 225.00 ml/min |
| 2/14/2023 3:35 PM | 25:00 | 5.43 pH | 17.19 °C | 23.48 µS/cm | 7.99 mg/L | 0.18 NTU | 197.3 mV | 26.90 ft | 225.00 ml/min |
| 2/14/2023 3:40 PM | 30:00 | 5.44 pH | 17.16 °C | 23.56 µS/cm | 8.22 mg/L | 0.11 NTU | 194.4 mV | 26.90 ft | 225.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/14/2023 1:00:11 PM

Project: Plant Wansley Ash Pond

Operator Name: A. Schnittker

| | | |
|--|---|--|
| Location Name: WGWA-18 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 29.6 ft Total Depth: 39.6 ft Initial Depth to Water: 19.88 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 34 ft Estimated Total Volume Pumped: 12.3 liter Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 41 in | Instrument Used: Aqua TROLL 400 Serial Number: 884186 |
|--|---|--|

Test Notes:

Sample time 1420. Sunny 60s.

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 100 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 0.3 | |
| 2/14/2023 1:00 PM | 00:00 | 6.66 pH | 17.05 °C | 109.62 µS/cm | 2.15 mg/L | 1.38 NTU | 1.6 mV | 19.88 ft | 175.00 ml/min |
| 2/14/2023 1:05 PM | 05:00 | 6.86 pH | 17.11 °C | 112.37 µS/cm | 1.10 mg/L | 1.03 NTU | 21.5 mV | 21.90 ft | 175.00 ml/min |
| 2/14/2023 1:10 PM | 10:00 | 6.77 pH | 17.24 °C | 112.12 µS/cm | 0.76 mg/L | 1.01 NTU | 40.8 mV | 22.30 ft | 150.00 ml/min |
| 2/14/2023 1:15 PM | 15:00 | 6.71 pH | 17.28 °C | 111.82 µS/cm | 0.60 mg/L | 1.20 NTU | 55.9 mV | 23.20 ft | 150.00 ml/min |
| 2/14/2023 1:20 PM | 20:00 | 6.64 pH | 17.35 °C | 109.80 µS/cm | 0.56 mg/L | 0.91 NTU | 67.1 mV | 23.30 ft | 150.00 ml/min |
| 2/14/2023 1:25 PM | 25:00 | 6.58 pH | 17.37 °C | 108.56 µS/cm | 0.63 mg/L | 0.50 NTU | 72.0 mV | 23.30 ft | 150.00 ml/min |
| 2/14/2023 1:30 PM | 30:00 | 6.54 pH | 17.28 °C | 105.53 µS/cm | 0.56 mg/L | 0.46 NTU | 75.9 mV | 23.30 ft | 150.00 ml/min |
| 2/14/2023 1:35 PM | 35:00 | 6.45 pH | 17.28 °C | 97.91 µS/cm | 0.66 mg/L | 0.35 NTU | 80.1 mV | 23.30 ft | 150.00 ml/min |
| 2/14/2023 1:40 PM | 40:00 | 6.38 pH | 17.23 °C | 91.15 µS/cm | 0.88 mg/L | 0.39 NTU | 86.0 mV | 23.30 ft | 150.00 ml/min |
| 2/14/2023 1:45 PM | 45:00 | 6.28 pH | 17.17 °C | 82.43 µS/cm | 1.11 mg/L | 0.30 NTU | 93.2 mV | 23.30 ft | 150.00 ml/min |
| 2/14/2023 1:50 PM | 50:00 | 6.19 pH | 17.10 °C | 75.26 µS/cm | 1.41 mg/L | 0.22 NTU | 100.5 mV | 23.30 ft | 150.00 ml/min |
| 2/14/2023 1:55 PM | 55:00 | 6.09 pH | 17.12 °C | 69.66 µS/cm | 1.64 mg/L | 0.21 NTU | 107.8 mV | 23.30 ft | 150.00 ml/min |
| 2/14/2023 2:00 PM | 01:00:00 | 6.03 pH | 17.11 °C | 64.85 µS/cm | 1.86 mg/L | 0.25 NTU | 113.1 mV | 23.30 ft | 150.00 ml/min |
| 2/14/2023 2:05 PM | 01:05:00 | 5.98 pH | 17.10 °C | 62.49 µS/cm | 1.95 mg/L | 0.20 NTU | 117.5 mV | 23.30 ft | 150.00 ml/min |
| 2/14/2023 2:10 PM | 01:10:00 | 5.93 pH | 17.14 °C | 60.12 µS/cm | 2.05 mg/L | 0.19 NTU | 120.9 mV | 23.30 ft | 150.00 ml/min |

| | | | | | | | | | |
|----------------------|----------|---------|----------|-------------|-----------|----------|----------|----------|---------------|
| 2/14/2023 2:15 PM | 01:15:00 | 5.90 pH | 17.08 °C | 58.72 µS/cm | 2.14 mg/L | 0.39 NTU | 124.5 mV | 23.30 ft | 150.00 ml/min |
| 2/14/2023 2:20 PM | 01:20:00 | 5.89 pH | 17.10 °C | 57.94 µS/cm | 2.21 mg/L | 0.34 NTU | 125.5 mV | 23.30 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/16/2023 2:07:06 PM

Project: Plant Wansley Ash Pond

Operator Name: D. Johnson

| | | |
|---|--|--|
| Location Name: WGWC-8 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 49 ft Total Depth: 59.63 ft Initial Depth to Water: 2.42 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 54 ft Estimated Total Volume Pumped: 9 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 27.3 in | Instrument Used: Aqua TROLL 400 Serial Number: 965678 |
|---|--|--|

Test Notes:

Sunny, 71 degrees F. Sample Time 1452

FD-03 here.

Realized flow cell was set up incorrectly at 25 minutes. Readjusted flow cell. This corrected the conductivity readings and is the reason for the jump after 25 minutes.

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 100 | +/- 5 % | +/- 10 % | +/- 5 | +/- 100 | +/- 0.3 | |
| 2/16/2023 2:07 PM | 00:00 | 6.55 pH | 22.29 °C | 29.35 µS/cm | 4.72 mg/L | 5.03 NTU | 142.3 mV | 2.42 ft | 200.00 ml/min |
| 2/16/2023 2:12 PM | 05:00 | 5.63 pH | 18.12 °C | 29.19 µS/cm | 1.98 mg/L | 4.16 NTU | 116.8 mV | 3.20 ft | 200.00 ml/min |
| 2/16/2023 2:17 PM | 10:00 | 5.33 pH | 17.33 °C | 13.39 µS/cm | 1.96 mg/L | 3.65 NTU | 120.2 mV | 3.70 ft | 200.00 ml/min |
| 2/16/2023 2:22 PM | 15:00 | 5.38 pH | 17.21 °C | 5.81 µS/cm | 1.81 mg/L | 3.02 NTU | 114.5 mV | 4.10 ft | 200.00 ml/min |
| 2/16/2023 2:27 PM | 20:00 | 5.34 pH | 17.23 °C | 5.82 µS/cm | 1.83 mg/L | 2.22 NTU | 117.3 mV | 4.10 ft | 200.00 ml/min |
| 2/16/2023 2:32 PM | 25:00 | 5.29 pH | 17.25 °C | 6.36 µS/cm | 2.10 mg/L | 1.45 NTU | 110.6 mV | 4.70 ft | 200.00 ml/min |
| 2/16/2023 2:37 PM | 30:00 | 5.23 pH | 17.23 °C | 804.32 µS/cm | 1.03 mg/L | 1.52 NTU | 95.7 mV | 4.70 ft | 200.00 ml/min |
| 2/16/2023 2:42 PM | 35:00 | 5.23 pH | 17.20 °C | 810.97 µS/cm | 1.01 mg/L | 1.50 NTU | 96.1 mV | 4.70 ft | 200.00 ml/min |
| 2/16/2023 2:47 PM | 40:00 | 5.22 pH | 17.23 °C | 822.64 µS/cm | 1.02 mg/L | 1.43 NTU | 96.3 mV | 4.70 ft | 200.00 ml/min |
| 2/16/2023 2:52 PM | 45:00 | 5.22 pH | 17.19 °C | 826.55 µS/cm | 1.04 mg/L | 1.47 NTU | 96.2 mV | 4.70 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/15/2023 3:45:16 PM

Project: Plant Wansley Ash Pond

Operator Name: Toby Johnson

| | | |
|---|--|--|
| Location Name: WGWC-9 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 51.08 ft Total Depth: 61.08 ft Initial Depth to Water: 19.06 ft | Pump Type: Peri Pump Tubing Type: Poly Pump Intake From TOC: 56 ft Estimated Total Volume Pumped: 3.5 liter Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 34.08 in | Instrument Used: Aqua TROLL 400 Serial Number: 965658 |
|---|--|--|

Test Notes:

Overcast, sampled at 1615

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 2 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 5 | |
| 2/15/2023 3:45 PM | 00:00 | 5.90 pH | 19.64 °C | 193.46 µS/cm | 1.60 mg/L | 8.91 NTU | 135.0 mV | 19.06 ft | 125.00 ml/min |
| 2/15/2023 3:50 PM | 05:00 | 5.88 pH | 19.15 °C | 192.56 µS/cm | 1.28 mg/L | 5.25 NTU | 133.0 mV | 20.30 ft | 125.00 ml/min |
| 2/15/2023 3:55 PM | 10:00 | 5.87 pH | 19.12 °C | 192.92 µS/cm | 1.24 mg/L | 6.08 NTU | 132.4 mV | 21.00 ft | 125.00 ml/min |
| 2/15/2023 4:00 PM | 15:00 | 5.86 pH | 19.06 °C | 192.35 µS/cm | 1.24 mg/L | 2.39 NTU | 131.6 mV | 21.50 ft | 125.00 ml/min |
| 2/15/2023 4:05 PM | 20:00 | 5.87 pH | 19.01 °C | 192.18 µS/cm | 1.21 mg/L | 1.43 NTU | 130.6 mV | 21.80 ft | 100.00 ml/min |
| 2/15/2023 4:10 PM | 25:00 | 5.86 pH | 18.98 °C | 191.36 µS/cm | 1.16 mg/L | 1.34 NTU | 130.2 mV | 21.90 ft | 100.00 ml/min |
| 2/15/2023 4:15 PM | 30:00 | 5.86 pH | 18.95 °C | 191.07 µS/cm | 1.14 mg/L | 2.33 NTU | 129.5 mV | 21.90 ft | 100.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/16/2023 12:01:45 PM

Project: Plant Wansley Ash Pond

Operator Name: Hunter Auld

| | | |
|---|---|--|
| Location Name: WGWC-10 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 138.9 ft Total Depth: 148.98 ft Initial Depth to Water: 20.71 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 143.9 ft Estimated Total Volume Pumped: 3.8 liter Flow Cell Volume: 90 ml Final Flow Rate: 50 ml/min Final Draw Down: 5.9 in | Instrument Used: Aqua TROLL 400 Serial Number: 877800 |
|---|---|--|

Test Notes:

Sampled at 1318 on 2-16-23. Cloudy, 69. WAN-AP1-FB-08 here at 1225.

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 | +/- 100 | +/- 0.1 | |
| 2/16/2023 12:01 PM | 00:00 | 7.02 pH | 21.67 °C | 0.00 µS/cm | 8.62 mg/L | 5.00 NTU | 93.4 mV | 20.71 ft | 75.00 ml/min |
| 2/16/2023 12:06 PM | 05:00 | 6.88 pH | 21.13 °C | 57.13 µS/cm | 8.79 mg/L | 3.90 NTU | 89.6 mV | 20.71 ft | 50.00 ml/min |
| 2/16/2023 12:11 PM | 10:00 | 7.00 pH | 19.82 °C | 56.70 µS/cm | 9.69 mg/L | 4.10 NTU | 87.5 mV | 20.90 ft | 50.00 ml/min |
| 2/16/2023 12:16 PM | 15:00 | 6.99 pH | 19.68 °C | 57.32 µS/cm | 9.30 mg/L | 4.10 NTU | 87.9 mV | 20.90 ft | 50.00 ml/min |
| 2/16/2023 12:21 PM | 20:00 | 6.90 pH | 19.93 °C | 57.65 µS/cm | 8.09 mg/L | 3.60 NTU | 89.6 mV | 20.90 ft | 50.00 ml/min |
| 2/16/2023 12:26 PM | 25:00 | 6.71 pH | 20.24 °C | 58.25 µS/cm | 6.68 mg/L | 3.50 NTU | 92.2 mV | 20.90 ft | 50.00 ml/min |
| 2/16/2023 12:31 PM | 30:00 | 6.58 pH | 20.66 °C | 58.67 µS/cm | 5.47 mg/L | 2.50 NTU | 94.4 mV | 20.90 ft | 50.00 ml/min |
| 2/16/2023 12:36 PM | 35:00 | 6.47 pH | 20.97 °C | 59.27 µS/cm | 4.63 mg/L | 2.40 NTU | 96.0 mV | 21.00 ft | 50.00 ml/min |
| 2/16/2023 12:41 PM | 40:00 | 6.40 pH | 21.24 °C | 59.97 µS/cm | 4.45 mg/L | 2.00 NTU | 98.3 mV | 21.00 ft | 50.00 ml/min |
| 2/16/2023 12:46 PM | 45:00 | 6.41 pH | 20.22 °C | 59.27 µS/cm | 3.22 mg/L | 1.10 NTU | 112.6 mV | 21.00 ft | 50.00 ml/min |
| 2/16/2023 12:51 PM | 50:00 | 6.40 pH | 19.57 °C | 58.31 µS/cm | 3.10 mg/L | 1.20 NTU | 101.7 mV | 21.10 ft | 50.00 ml/min |
| 2/16/2023 12:56 PM | 55:00 | 6.35 pH | 19.34 °C | 56.75 µS/cm | 3.49 mg/L | 1.50 NTU | 101.0 mV | 21.20 ft | 50.00 ml/min |
| 2/16/2023 1:01 PM | 01:00:00 | 6.42 pH | 19.48 °C | 57.13 µS/cm | 3.71 mg/L | 1.40 NTU | 101.9 mV | 21.20 ft | 50.00 ml/min |
| 2/16/2023 1:06 PM | 01:05:00 | 6.39 pH | 20.40 °C | 58.85 µS/cm | 4.55 mg/L | 2.10 NTU | 99.1 mV | 21.20 ft | 50.00 ml/min |
| 2/16/2023 1:11 PM | 01:10:00 | 6.39 pH | 21.15 °C | 57.40 µS/cm | 4.84 mg/L | 2.20 NTU | 99.1 mV | 21.20 ft | 50.00 ml/min |

| | | | | | | | | | |
|----------------------|----------|---------|----------|-------------|-----------|----------|---------|----------|--------------|
| 2/16/2023 1:16 PM | 01:15:00 | 6.39 pH | 21.51 °C | 57.50 µS/cm | 4.78 mg/L | 2.10 NTU | 99.8 mV | 21.20 ft | 50.00 ml/min |
|----------------------|----------|---------|----------|-------------|-----------|----------|---------|----------|--------------|

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/16/2023 11:25:11 AM

Project: Plant Wansley Ash Pond

Operator Name: Toby Johnson

| | | |
|--|---|--|
| Location Name: WGWC-11 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 39.5 ft Total Depth: 49.5 ft Initial Depth to Water: 27.13 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 44 ft Estimated Total Volume Pumped: 6 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 30.84 in | Instrument Used: Aqua TROLL 400 Serial Number: 965658 |
|--|---|--|

Test Notes:

Cloudy, sampled at 1155

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|---------|----------------|---------------|
| | | +/- 0.1 | +/- 2 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 5 | |
| 2/16/2023 11:25 AM | 00:00 | 6.18 pH | 18.03 °C | 35.86 µS/cm | 7.51 mg/L | 3.98 NTU | 35.6 mV | 27.13 ft | 200.00 ml/min |
| 2/16/2023 11:30 AM | 05:00 | 5.82 pH | 17.94 °C | 34.30 µS/cm | 7.42 mg/L | 2.62 NTU | 57.9 mV | 29.30 ft | 200.00 ml/min |
| 2/16/2023 11:35 AM | 10:00 | 5.74 pH | 17.88 °C | 34.31 µS/cm | 7.29 mg/L | 1.87 NTU | 71.0 mV | 29.60 ft | 200.00 ml/min |
| 2/16/2023 11:40 AM | 15:00 | 5.71 pH | 17.89 °C | 34.87 µS/cm | 7.25 mg/L | 2.39 NTU | 78.5 mV | 29.70 ft | 200.00 ml/min |
| 2/16/2023 11:45 AM | 20:00 | 5.69 pH | 17.87 °C | 35.33 µS/cm | 7.28 mg/L | 2.10 NTU | 83.3 mV | 29.70 ft | 200.00 ml/min |
| 2/16/2023 11:50 AM | 25:00 | 5.68 pH | 17.78 °C | 35.88 µS/cm | 7.39 mg/L | 1.30 NTU | 86.5 mV | 29.70 ft | 200.00 ml/min |
| 2/16/2023 11:55 AM | 30:00 | 5.69 pH | 17.97 °C | 36.94 µS/cm | 7.41 mg/L | 1.41 NTU | 88.8 mV | 29.70 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/16/2023 9:15:06 AM

Project: Plant Wansley Ash Pond

Operator Name: Toby Johnson

| | | |
|--|---|--|
| Location Name: WGWC-12 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 66.57 ft Total Depth: 76.57 ft Initial Depth to Water: 26.43 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 71 ft Estimated Total Volume Pumped: 27.5 liter Flow Cell Volume: 90 ml Final Flow Rate: 275 ml/min Final Draw Down: 4.44 in | Instrument Used: Aqua TROLL 400 Serial Number: 965658 |
|--|---|--|

Test Notes:

Cloudy, sampled at 1055, WAN-AP1-EB-02 here at 0910

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|--------------------|--------------|---------|-------------|-----------------------|-------------------|------------|---------|----------------|---------------|
| | | +/- 0.1 | +/- 2 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 5 | |
| 2/16/2023 9:15 AM | 00:00 | 6.10 pH | 16.39 °C | 145.44 µS/cm | 3.22 mg/L | 689.00 NTU | 68.8 mV | 26.43 ft | 275.00 ml/min |
| 2/16/2023 9:20 AM | 05:00 | 6.39 pH | 17.03 °C | 111.53 µS/cm | 0.37 mg/L | 587.00 NTU | 60.9 mV | 26.60 ft | 275.00 ml/min |
| 2/16/2023 9:25 AM | 10:00 | 6.39 pH | 17.07 °C | 111.39 µS/cm | 0.16 mg/L | 302.00 NTU | 55.7 mV | 26.70 ft | 275.00 ml/min |
| 2/16/2023 9:30 AM | 15:00 | 6.42 pH | 17.08 °C | 112.85 µS/cm | 0.14 mg/L | 122.00 NTU | 50.1 mV | 26.70 ft | 275.00 ml/min |
| 2/16/2023 9:35 AM | 20:00 | 6.43 pH | 17.03 °C | 114.43 µS/cm | 0.14 mg/L | 99.80 NTU | 46.2 mV | 26.70 ft | 275.00 ml/min |
| 2/16/2023 9:40 AM | 25:00 | 6.45 pH | 17.05 °C | 115.92 µS/cm | 0.15 mg/L | 65.80 NTU | 42.5 mV | 26.70 ft | 275.00 ml/min |
| 2/16/2023 9:45 AM | 30:00 | 6.48 pH | 17.09 °C | 117.09 µS/cm | 0.16 mg/L | 23.50 NTU | 39.0 mV | 26.70 ft | 275.00 ml/min |
| 2/16/2023 9:50 AM | 35:00 | 6.48 pH | 17.11 °C | 117.87 µS/cm | 0.16 mg/L | 14.00 NTU | 36.4 mV | 26.80 ft | 275.00 ml/min |
| 2/16/2023 9:55 AM | 40:00 | 6.51 pH | 17.14 °C | 118.31 µS/cm | 0.16 mg/L | 13.70 NTU | 33.1 mV | 26.80 ft | 275.00 ml/min |
| 2/16/2023 10:00 AM | 45:00 | 6.52 pH | 17.15 °C | 118.75 µS/cm | 0.17 mg/L | 13.00 NTU | 30.4 mV | 26.80 ft | 275.00 ml/min |
| 2/16/2023 10:05 AM | 50:00 | 6.52 pH | 17.19 °C | 118.50 µS/cm | 0.17 mg/L | 12.20 NTU | 29.2 mV | 26.80 ft | 275.00 ml/min |
| 2/16/2023 10:10 AM | 55:00 | 6.55 pH | 17.24 °C | 118.53 µS/cm | 0.17 mg/L | 10.20 NTU | 26.2 mV | 26.80 ft | 275.00 ml/min |
| 2/16/2023 10:15 AM | 01:00:00 | 6.55 pH | 17.27 °C | 118.54 µS/cm | 0.17 mg/L | 9.98 NTU | 24.2 mV | 26.80 ft | 275.00 ml/min |
| 2/16/2023 10:20 AM | 01:05:00 | 6.56 pH | 17.49 °C | 118.24 µS/cm | 0.17 mg/L | 9.66 NTU | 22.6 mV | 26.80 ft | 275.00 ml/min |
| 2/16/2023 10:25 AM | 01:10:00 | 6.58 pH | 17.41 °C | 118.36 µS/cm | 0.17 mg/L | 8.12 NTU | 20.8 mV | 26.80 ft | 275.00 ml/min |

| | | | | | | | | | |
|-----------------------|----------|---------|----------|--------------|-----------|----------|---------|----------|---------------|
| 2/16/2023 10:30 AM | 01:15:00 | 6.57 pH | 17.36 °C | 118.19 µS/cm | 0.18 mg/L | 7.02 NTU | 20.4 mV | 26.80 ft | 275.00 ml/min |
| 2/16/2023 10:35 AM | 01:20:00 | 6.59 pH | 17.42 °C | 117.76 µS/cm | 0.18 mg/L | 6.78 NTU | 19.3 mV | 26.80 ft | 275.00 ml/min |
| 2/16/2023 10:40 AM | 01:25:00 | 6.59 pH | 17.38 °C | 117.55 µS/cm | 0.19 mg/L | 6.15 NTU | 18.7 mV | 26.80 ft | 275.00 ml/min |
| 2/16/2023 10:45 AM | 01:30:00 | 6.59 pH | 17.47 °C | 116.95 µS/cm | 0.19 mg/L | 5.46 NTU | 18.4 mV | 26.80 ft | 275.00 ml/min |
| 2/16/2023 10:50 AM | 01:35:00 | 6.61 pH | 17.49 °C | 117.07 µS/cm | 0.19 mg/L | 4.47 NTU | 16.4 mV | 26.80 ft | 275.00 ml/min |
| 2/16/2023 10:55 AM | 01:40:00 | 6.61 pH | 17.57 °C | 116.73 µS/cm | 0.20 mg/L | 4.57 NTU | 16.7 mV | 26.80 ft | 275.00 ml/min |

Samples

| | |
|-------------------|---------------------|
| Sample ID: | Description: |
|-------------------|---------------------|

Low-Flow Test Report:

Test Date / Time: 2/16/2023 2:55:08 PM

Project: Plant Wansley Ash Pond

Operator Name: Toby Johnson

| | | |
|--|--|--|
| Location Name: WGWC-13 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 85.55 ft Total Depth: 95.55 ft Initial Depth to Water: 18.83 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 90 ft Estimated Total Volume Pumped: 3.55 liter Flow Cell Volume: 90 ml Final Flow Rate: 105 ml/min Final Draw Down: 32.04 in | Instrument Used: Aqua TROLL 400 Serial Number: 965658 |
|--|--|--|

Test Notes:

Cloudy, sampled at 1525

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 2 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 5 | |
| 2/16/2023 2:55 PM | 00:00 | 6.18 pH | 18.88 °C | 63.18 µS/cm | 1.20 mg/L | 5.90 NTU | 136.8 mV | 18.83 ft | 125.00 ml/min |
| 2/16/2023 3:00 PM | 05:00 | 6.27 pH | 18.56 °C | 63.51 µS/cm | 1.98 mg/L | 3.70 NTU | 132.8 mV | 20.50 ft | 125.00 ml/min |
| 2/16/2023 3:05 PM | 10:00 | 6.27 pH | 18.48 °C | 63.09 µS/cm | 1.99 mg/L | 3.11 NTU | 131.6 mV | 20.90 ft | 125.00 ml/min |
| 2/16/2023 3:10 PM | 15:00 | 6.27 pH | 18.42 °C | 63.29 µS/cm | 2.02 mg/L | 2.75 NTU | 130.8 mV | 21.30 ft | 125.00 ml/min |
| 2/16/2023 3:15 PM | 20:00 | 6.26 pH | 18.56 °C | 63.32 µS/cm | 2.06 mg/L | 3.01 NTU | 130.1 mV | 21.40 ft | 105.00 ml/min |
| 2/16/2023 3:20 PM | 25:00 | 6.27 pH | 18.54 °C | 63.16 µS/cm | 2.13 mg/L | 3.12 NTU | 128.7 mV | 21.50 ft | 105.00 ml/min |
| 2/16/2023 3:25 PM | 30:00 | 6.27 pH | 18.57 °C | 63.26 µS/cm | 2.22 mg/L | 3.94 NTU | 128.0 mV | 21.50 ft | 105.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/16/2023 12:55:04 PM

Project: Plant Wansley Ash Pond

Operator Name: Toby Johnson

| | | |
|---|---|--|
| Location Name: WGWC-14A 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: 19.18 ft | Pump Type: Peri Pump Tubing Type: Poly Pump Intake From TOC: 38 ft Estimated Total Volume Pumped: 4.75 liter Flow Cell Volume: 90 ml Final Flow Rate: 125 ml/min Final Draw Down: 15.84 in | Instrument Used: Aqua TROLL 400 Serial Number: 965658 |
|---|---|--|

Test Notes:

Cloudy, sampled at 1330

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 2 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 5 | |
| 2/16/2023 12:55 PM | 00:00 | 5.48 pH | 23.46 °C | 27.18 µS/cm | 6.27 mg/L | 6.98 NTU | 103.4 mV | 19.18 ft | 150.00 ml/min |
| 2/16/2023 1:00 PM | 05:00 | 5.37 pH | 19.85 °C | 28.19 µS/cm | 2.27 mg/L | 5.01 NTU | 108.5 mV | 20.10 ft | 150.00 ml/min |
| 2/16/2023 1:05 PM | 10:00 | 5.33 pH | 19.50 °C | 26.06 µS/cm | 2.22 mg/L | 3.05 NTU | 109.8 mV | 20.20 ft | 150.00 ml/min |
| 2/16/2023 1:10 PM | 15:00 | 5.33 pH | 19.69 °C | 27.36 µS/cm | 2.32 mg/L | 2.45 NTU | 114.6 mV | 20.50 ft | 125.00 ml/min |
| 2/16/2023 1:15 PM | 20:00 | 5.36 pH | 19.75 °C | 28.59 µS/cm | 2.17 mg/L | 1.69 NTU | 117.7 mV | 20.50 ft | 125.00 ml/min |
| 2/16/2023 1:20 PM | 25:00 | 5.41 pH | 19.50 °C | 29.62 µS/cm | 1.95 mg/L | 2.15 NTU | 120.0 mV | 20.50 ft | 125.00 ml/min |
| 2/16/2023 1:25 PM | 30:00 | 5.39 pH | 19.32 °C | 30.77 µS/cm | 1.86 mg/L | 1.32 NTU | 125.0 mV | 20.50 ft | 125.00 ml/min |
| 2/16/2023 1:30 PM | 35:00 | 5.40 pH | 19.17 °C | 30.78 µS/cm | 1.77 mg/L | 1.23 NTU | 125.9 mV | 20.50 ft | 125.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/15/2023 10:45:17 AM

Project: Plant Wansley Ash Pond

Operator Name: A. Schnittker

| | | |
|---|--|--|
| Location Name: WGWC-15 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 43.3 ft Total Depth: 53.36 ft Initial Depth to Water: 18.19 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 48 ft Estimated Total Volume Pumped: 3 liter Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 56 in | Instrument Used: Aqua TROLL 400 Serial Number: 884186 |
|---|--|--|

Test Notes:

Sample time 1115. Cloudy 60s.

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|---------|----------------|---------------|
| | | +/- 0.1 | +/- 100 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 0.3 | |
| 2/15/2023 10:45 AM | 00:00 | 7.43 pH | 15.20 °C | 212.35 µS/cm | 5.01 mg/L | 1.86 NTU | 20.7 mV | 18.19 ft | 100.00 ml/min |
| 2/15/2023 10:50 AM | 05:00 | 7.59 pH | 16.21 °C | 216.44 µS/cm | 2.00 mg/L | 1.32 NTU | 11.4 mV | 20.50 ft | 100.00 ml/min |
| 2/15/2023 10:55 AM | 10:00 | 7.65 pH | 15.99 °C | 204.83 µS/cm | 3.56 mg/L | 1.15 NTU | 23.5 mV | 21.90 ft | 100.00 ml/min |
| 2/15/2023 11:00 AM | 15:00 | 7.68 pH | 15.07 °C | 205.23 µS/cm | 3.88 mg/L | 0.82 NTU | 36.4 mV | 22.60 ft | 100.00 ml/min |
| 2/15/2023 11:05 AM | 20:00 | 7.70 pH | 14.86 °C | 204.67 µS/cm | 4.07 mg/L | 0.76 NTU | 43.5 mV | 22.90 ft | 100.00 ml/min |
| 2/15/2023 11:10 AM | 25:00 | 7.70 pH | 15.56 °C | 204.81 µS/cm | 4.25 mg/L | 0.56 NTU | 54.3 mV | 22.90 ft | 100.00 ml/min |
| 2/15/2023 11:15 AM | 30:00 | 7.72 pH | 16.14 °C | 204.20 µS/cm | 4.31 mg/L | 0.48 NTU | 52.8 mV | 22.90 ft | 100.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/15/2023 11:50:03 AM

Project: Plant Wansley Ash Pond

Operator Name: A. Schnittker

| | | |
|---|---|--|
| Location Name: WGWC-16 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 24.7 ft Total Depth: 34.78 ft Initial Depth to Water: 17.52 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 29 ft Estimated Total Volume Pumped: 7.5 liter Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 5 in | Instrument Used: Aqua TROLL 400 Serial Number: 884186 |
|---|---|--|

Test Notes:

Sample time 1220. Cloudy 60s. FD-01 here.

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 100 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 0.3 | |
| 2/15/2023 11:50 AM | 00:00 | 5.51 pH | 16.73 °C | 248.46 µS/cm | 4.74 mg/L | 1.10 NTU | 209.4 mV | 17.52 ft | 250.00 ml/min |
| 2/15/2023 11:55 AM | 05:00 | 5.27 pH | 16.82 °C | 248.10 µS/cm | 4.43 mg/L | 0.99 NTU | 219.9 mV | 17.90 ft | 250.00 ml/min |
| 2/15/2023 12:00 PM | 10:00 | 5.20 pH | 16.86 °C | 249.22 µS/cm | 4.44 mg/L | 0.88 NTU | 275.3 mV | 17.90 ft | 250.00 ml/min |
| 2/15/2023 12:05 PM | 15:00 | 5.16 pH | 16.88 °C | 248.22 µS/cm | 4.49 mg/L | 0.56 NTU | 282.3 mV | 17.90 ft | 250.00 ml/min |
| 2/15/2023 12:10 PM | 20:00 | 5.20 pH | 16.87 °C | 250.32 µS/cm | 4.58 mg/L | 0.47 NTU | 281.2 mV | 17.90 ft | 250.00 ml/min |
| 2/15/2023 12:15 PM | 25:00 | 5.19 pH | 16.88 °C | 251.38 µS/cm | 4.58 mg/L | 0.51 NTU | 279.2 mV | 17.90 ft | 250.00 ml/min |
| 2/15/2023 12:20 PM | 30:00 | 5.19 pH | 16.87 °C | 252.95 µS/cm | 4.63 mg/L | 0.46 NTU | 277.4 mV | 17.90 ft | 250.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/16/2023 10:20:29 AM

Project: Plant Wansley Ash Pond

Operator Name: Hunter Auld

| | | |
|--|---|--|
| Location Name: WGWC-17 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 85.9 ft Total Depth: 95.94 ft Initial Depth to Water: 28.1 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 90.9 ft Estimated Total Volume Pumped: 4.2 liter Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 9.6 in | Instrument Used: Aqua TROLL 400 Serial Number: 877800 |
|--|---|--|

Test Notes:

Sampled at 1102 on 2-16-23. Cloudy, 64.

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 | +/- 100 | +/- 0.1 | |
| 2/16/2023 10:20 AM | 00:00 | 8.00 pH | 18.70 °C | 24.03 µS/cm | 9.24 mg/L | 5.00 NTU | 247.6 mV | 28.10 ft | 200.00 ml/min |
| 2/16/2023 10:25 AM | 05:00 | 6.80 pH | 16.44 °C | 81.41 µS/cm | 4.14 mg/L | 2.90 NTU | 46.0 mV | 28.60 ft | 100.00 ml/min |
| 2/16/2023 10:30 AM | 10:00 | 6.36 pH | 17.10 °C | 78.71 µS/cm | 1.76 mg/L | 3.20 NTU | 45.6 mV | 28.80 ft | 100.00 ml/min |
| 2/16/2023 10:35 AM | 15:00 | 6.31 pH | 17.13 °C | 81.18 µS/cm | 1.87 mg/L | 3.10 NTU | 64.3 mV | 28.90 ft | 100.00 ml/min |
| 2/16/2023 10:40 AM | 20:00 | 6.30 pH | 17.10 °C | 81.10 µS/cm | 1.78 mg/L | 2.65 NTU | 73.0 mV | 28.90 ft | 100.00 ml/min |
| 2/16/2023 10:45 AM | 25:00 | 6.29 pH | 17.13 °C | 81.43 µS/cm | 1.41 mg/L | 2.70 NTU | 77.4 mV | 28.90 ft | 100.00 ml/min |
| 2/16/2023 10:50 AM | 30:00 | 6.29 pH | 17.14 °C | 81.31 µS/cm | 0.72 mg/L | 2.50 NTU | 79.3 mV | 28.90 ft | 100.00 ml/min |
| 2/16/2023 10:55 AM | 35:00 | 6.28 pH | 17.14 °C | 81.22 µS/cm | 0.49 mg/L | 1.80 NTU | 83.2 mV | 28.90 ft | 100.00 ml/min |
| 2/16/2023 11:00 AM | 40:00 | 6.28 pH | 17.19 °C | 81.35 µS/cm | 0.25 mg/L | 1.60 NTU | 83.8 mV | 28.90 ft | 100.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/16/2023 12:39:07 PM

Project: Plant Wansley Ash Pond

Operator Name: D. Johnson

| | | |
|---|--|--|
| Location Name: WGWC-19 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 84.8 ft Total Depth: 94.84 ft Initial Depth to Water: 19.81 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 89 ft Estimated Total Volume Pumped: 6 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 4.68 in | Instrument Used: Aqua TROLL 400 Serial Number: 965678 |
|---|--|--|

Test Notes:

Partly cloudy, 68 degrees F. Sample time 1309

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 100 | +/- 5 % | +/- 10 % | +/- 5 | +/- 100 | +/- 0.3 | |
| 2/16/2023 12:39 PM | 00:00 | 6.54 pH | 18.83 °C | 149.75 µS/cm | 6.77 mg/L | 5.48 NTU | 124.8 mV | 19.81 ft | 200.00 ml/min |
| 2/16/2023 12:44 PM | 05:00 | 6.68 pH | 17.81 °C | 162.46 µS/cm | 0.40 mg/L | 5.20 NTU | 82.9 mV | 20.20 ft | 200.00 ml/min |
| 2/16/2023 12:49 PM | 10:00 | 6.77 pH | 17.84 °C | 163.76 µS/cm | 0.25 mg/L | 6.11 NTU | 79.5 mV | 20.20 ft | 200.00 ml/min |
| 2/16/2023 12:54 PM | 15:00 | 6.79 pH | 18.66 °C | 163.35 µS/cm | 0.31 mg/L | 6.00 NTU | 80.1 mV | 20.20 ft | 200.00 ml/min |
| 2/16/2023 12:59 PM | 20:00 | 6.79 pH | 18.34 °C | 162.84 µS/cm | 0.31 mg/L | 4.51 NTU | 79.3 mV | 20.20 ft | 200.00 ml/min |
| 2/16/2023 1:04 PM | 25:00 | 6.80 pH | 18.48 °C | 163.01 µS/cm | 0.29 mg/L | 3.21 NTU | 78.4 mV | 20.20 ft | 200.00 ml/min |
| 2/16/2023 1:09 PM | 30:00 | 6.80 pH | 18.70 °C | 163.08 µS/cm | 0.27 mg/L | 2.31 NTU | 77.9 mV | 20.20 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/16/2023 9:35:13 AM

Project: Plant Wansley Ash Pond

Operator Name: A. Schnittker

| | | |
|--|---|--|
| Location Name: WGWC-20 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 33.8 ft Total Depth: 43.87 ft Initial Depth to Water: 27.3 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 38 ft Estimated Total Volume Pumped: 4.5 liter Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 7 in | Instrument Used: Aqua TROLL 400 Serial Number: 884186 |
|--|---|--|

Test Notes:

Sample time 1005. Cloudy 60s.

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|--------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 100 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 0.3 | |
| 2/16/2023 9:35 AM | 00:00 | 5.63 pH | 17.21 °C | 1,004.6 µS/cm | 4.51 mg/L | 1.96 NTU | 212.1 mV | 27.30 ft | 150.00 ml/min |
| 2/16/2023 9:40 AM | 05:00 | 5.25 pH | 17.90 °C | 1,109.5 µS/cm | 3.22 mg/L | 1.37 NTU | 206.6 mV | 27.90 ft | 150.00 ml/min |
| 2/16/2023 9:45 AM | 10:00 | 5.21 pH | 18.13 °C | 1,164.6 µS/cm | 3.00 mg/L | 1.11 NTU | 264.0 mV | 27.90 ft | 150.00 ml/min |
| 2/16/2023 9:50 AM | 15:00 | 5.19 pH | 18.17 °C | 1,181.7 µS/cm | 2.81 mg/L | 0.47 NTU | 270.4 mV | 27.90 ft | 150.00 ml/min |
| 2/16/2023 9:55 AM | 20:00 | 5.18 pH | 18.26 °C | 1,199.1 µS/cm | 2.61 mg/L | 0.34 NTU | 273.7 mV | 27.90 ft | 150.00 ml/min |
| 2/16/2023 10:00 AM | 25:00 | 5.17 pH | 18.36 °C | 1,213.3 µS/cm | 2.48 mg/L | 0.45 NTU | 277.4 mV | 27.90 ft | 150.00 ml/min |
| 2/16/2023 10:05 AM | 30:00 | 5.17 pH | 18.48 °C | 1,209.5 µS/cm | 2.44 mg/L | 0.50 NTU | 217.8 mV | 27.90 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/16/2023 3:25:10 PM

Project: Plant Wansley Ash Pond

Operator Name: Hunter Auld

| | | |
|--|---|--|
| Location Name: WGWC-21 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 61.75 ft Total Depth: 71.75 ft Initial Depth to Water: 48.67 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 66.7 ft Estimated Total Volume Pumped: 3.2 liter Flow Cell Volume: 90 ml Final Flow Rate: 60 ml/min Final Draw Down: 43.6 in | Instrument Used: Aqua TROLL 400 Serial Number: 877800 |
|--|---|--|

Test Notes:

Sampled at 1607 on 2-16-23. Cloudy, 73. WAN-AP1-EB-03 here at 1615.

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 | +/- 100 | +/- 0.1 | |
| 2/16/2023 3:25 PM | 00:00 | 6.79 pH | 23.00 °C | 629.95 µS/cm | 7.87 mg/L | 5.00 NTU | 128.9 mV | 48.67 ft | 100.00 ml/min |
| 2/16/2023 3:30 PM | 05:00 | 6.91 pH | 19.21 °C | 958.74 µS/cm | 3.23 mg/L | 3.40 NTU | 121.6 mV | 49.10 ft | 100.00 ml/min |
| 2/16/2023 3:35 PM | 10:00 | 6.95 pH | 18.97 °C | 975.63 µS/cm | 2.54 mg/L | 3.70 NTU | 132.2 mV | 49.70 ft | 100.00 ml/min |
| 2/16/2023 3:40 PM | 15:00 | 6.96 pH | 18.85 °C | 1,002.1 µS/cm | 2.02 mg/L | 3.46 NTU | 129.7 mV | 51.00 ft | 100.00 ml/min |
| 2/16/2023 3:45 PM | 20:00 | 6.96 pH | 18.84 °C | 995.70 µS/cm | 1.80 mg/L | 3.40 NTU | 126.9 mV | 51.50 ft | 100.00 ml/min |
| 2/16/2023 3:50 PM | 25:00 | 6.94 pH | 19.11 °C | 981.83 µS/cm | 2.13 mg/L | 3.10 NTU | 125.2 mV | 51.80 ft | 75.00 ml/min |
| 2/16/2023 3:55 PM | 30:00 | 6.93 pH | 19.00 °C | 971.90 µS/cm | 1.88 mg/L | 2.20 NTU | 123.7 mV | 52.10 ft | 75.00 ml/min |
| 2/16/2023 4:00 PM | 35:00 | 6.92 pH | 19.14 °C | 966.23 µS/cm | 1.89 mg/L | 2.10 NTU | 122.8 mV | 52.20 ft | 60.00 ml/min |
| 2/16/2023 4:05 PM | 40:00 | 6.92 pH | 19.07 °C | 958.96 µS/cm | 2.02 mg/L | 2.20 NTU | 121.6 mV | 52.30 ft | 60.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/15/2023 2:00:07 PM

Project: Plant Wansley Ash Pond

Operator Name: Toby Johnson

| | | |
|--|--|--|
| Location Name: WGWC-22 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 33.88 ft Total Depth: 43.88 ft Initial Depth to Water: 15.21 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 38 ft Estimated Total Volume Pumped: 4.25 liter Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 28.68 in | Instrument Used: Aqua TROLL 400 Serial Number: 965658 |
|--|--|--|

Test Notes:

Overcast, sampled at 1440

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 2 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 5 | |
| 2/15/2023 2:00 PM | 00:00 | 5.77 pH | 19.41 °C | 244.04 µS/cm | 6.51 mg/L | 7.98 NTU | 149.3 mV | 15.21 ft | 125.00 ml/min |
| 2/15/2023 2:05 PM | 05:00 | 5.49 pH | 18.07 °C | 276.37 µS/cm | 2.19 mg/L | 5.69 NTU | 149.0 mV | 16.10 ft | 125.00 ml/min |
| 2/15/2023 2:10 PM | 10:00 | 5.48 pH | 17.99 °C | 280.54 µS/cm | 1.78 mg/L | 8.19 NTU | 147.8 mV | 16.50 ft | 100.00 ml/min |
| 2/15/2023 2:15 PM | 15:00 | 5.48 pH | 17.90 °C | 280.50 µS/cm | 1.70 mg/L | 9.03 NTU | 146.9 mV | 17.00 ft | 100.00 ml/min |
| 2/15/2023 2:20 PM | 20:00 | 5.47 pH | 17.94 °C | 280.06 µS/cm | 1.62 mg/L | 5.23 NTU | 146.2 mV | 17.30 ft | 100.00 ml/min |
| 2/15/2023 2:25 PM | 25:00 | 5.47 pH | 17.86 °C | 281.72 µS/cm | 1.56 mg/L | 4.35 NTU | 145.5 mV | 17.40 ft | 100.00 ml/min |
| 2/15/2023 2:30 PM | 30:00 | 5.47 pH | 17.85 °C | 282.36 µS/cm | 1.43 mg/L | 3.98 NTU | 144.9 mV | 17.50 ft | 100.00 ml/min |
| 2/15/2023 2:35 PM | 35:00 | 5.47 pH | 17.85 °C | 283.64 µS/cm | 1.36 mg/L | 3.81 NTU | 144.4 mV | 17.60 ft | 100.00 ml/min |
| 2/15/2023 2:40 PM | 40:00 | 5.47 pH | 17.86 °C | 282.64 µS/cm | 1.32 mg/L | 2.46 NTU | 150.5 mV | 17.60 ft | 100.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
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Low-Flow Test Report:

Test Date / Time: 2/15/2023 3:45:29 PM

Project: Plant Wansley Ash Pond

Operator Name: A. Schnittker

| | | |
|--|--|--|
| Location Name: WGWC-23 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 43.7 ft Total Depth: 53.7 ft Initial Depth to Water: 30.27 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 48 ft Estimated Total Volume Pumped: 3.9 liter Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 10 in | Instrument Used: Aqua TROLL 400 Serial Number: 884186 |
|--|--|--|

Test Notes:

Sample time 1615. Cloudy 60s. EB-01 here at 1630.

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 100 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 0.3 | |
| 2/15/2023 3:45 PM | 00:00 | 5.57 pH | 17.73 °C | 75.33 µS/cm | 3.93 mg/L | 2.16 NTU | 211.3 mV | 30.27 ft | 130.00 ml/min |
| 2/15/2023 3:50 PM | 05:00 | 5.51 pH | 17.66 °C | 71.24 µS/cm | 3.52 mg/L | 2.14 NTU | 202.8 mV | 31.10 ft | 130.00 ml/min |
| 2/15/2023 3:55 PM | 10:00 | 5.51 pH | 17.68 °C | 70.18 µS/cm | 3.36 mg/L | 1.25 NTU | 197.5 mV | 31.10 ft | 130.00 ml/min |
| 2/15/2023 4:00 PM | 15:00 | 5.48 pH | 17.67 °C | 70.45 µS/cm | 3.37 mg/L | 1.46 NTU | 194.6 mV | 31.10 ft | 130.00 ml/min |
| 2/15/2023 4:05 PM | 20:00 | 5.49 pH | 17.63 °C | 70.41 µS/cm | 3.43 mg/L | 0.88 NTU | 190.8 mV | 31.10 ft | 130.00 ml/min |
| 2/15/2023 4:10 PM | 25:00 | 5.49 pH | 17.63 °C | 70.37 µS/cm | 3.51 mg/L | 0.64 NTU | 187.7 mV | 31.10 ft | 130.00 ml/min |
| 2/15/2023 4:15 PM | 30:00 | 5.49 pH | 17.60 °C | 70.24 µS/cm | 3.59 mg/L | 0.50 NTU | 185.6 mV | 31.10 ft | 130.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
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Low-Flow Test Report:

Test Date / Time: 2/15/2023 12:35:10 PM

Project: Plant Wansley Ash Pond

Operator Name: Toby Johnson

| | | |
|--|--|--|
| Location Name: WGWC-24 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 30.75 ft Total Depth: 40.75 ft Initial Depth to Water: 11.95 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 35 ft Estimated Total Volume Pumped: 10.125 liter Flow Cell Volume: 90 ml Final Flow Rate: 225 ml/min Final Draw Down: 3 in | Instrument Used: Aqua TROLL 400 Serial Number: 965658 |
|--|--|--|

Test Notes:

Overcast, sampled at 1320, WAN-AP1-FB-07 here at 1315

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|--------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 2 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 5 | |
| 2/15/2023 12:35 PM | 00:00 | 5.08 pH | 18.03 °C | 296.96 µS/cm | 4.24 mg/L | 9.04 NTU | 83.1 mV | 11.95 ft | 225.00 ml/min |
| 2/15/2023 12:40 PM | 05:00 | 4.65 pH | 18.34 °C | 339.15 µS/cm | 2.33 mg/L | 8.64 NTU | 114.4 mV | 12.20 ft | 225.00 ml/min |
| 2/15/2023 12:45 PM | 10:00 | 4.58 pH | 18.39 °C | 357.65 µS/cm | 1.52 mg/L | 21.90 NTU | 123.9 mV | 12.20 ft | 225.00 ml/min |
| 2/15/2023 12:50 PM | 15:00 | 4.56 pH | 18.43 °C | 361.95 µS/cm | 1.39 mg/L | 13.60 NTU | 128.6 mV | 12.20 ft | 225.00 ml/min |
| 2/15/2023 12:55 PM | 20:00 | 4.54 pH | 18.49 °C | 364.49 µS/cm | 1.38 mg/L | 8.12 NTU | 133.4 mV | 12.20 ft | 225.00 ml/min |
| 2/15/2023 1:00 PM | 25:00 | 4.54 pH | 18.46 °C | 363.79 µS/cm | 1.29 mg/L | 7.72 NTU | 130.5 mV | 12.20 ft | 225.00 ml/min |
| 2/15/2023 1:05 PM | 30:00 | 4.54 pH | 18.41 °C | 363.69 µS/cm | 1.56 mg/L | 4.57 NTU | 139.3 mV | 12.20 ft | 225.00 ml/min |
| 2/15/2023 1:10 PM | 35:00 | 4.53 pH | 18.43 °C | 363.13 µS/cm | 1.50 mg/L | 4.68 NTU | 142.7 mV | 12.20 ft | 225.00 ml/min |
| 2/15/2023 1:15 PM | 40:00 | 4.54 pH | 18.42 °C | 362.48 µS/cm | 1.52 mg/L | 3.71 NTU | 144.9 mV | 12.20 ft | 225.00 ml/min |
| 2/15/2023 1:20 PM | 45:00 | 4.54 pH | 18.43 °C | 360.03 µS/cm | 1.65 mg/L | 3.06 NTU | 148.2 mV | 12.20 ft | 225.00 ml/min |

Samples

| Sample ID: | Description: |
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Low-Flow Test Report:

Test Date / Time: 2/15/2023 1:00:06 PM

Project: Plant Wansley Ash Pond

Operator Name: A. Schnittker

| | | |
|---|--|--|
| Location Name: WGWC-25 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 29.8 ft Total Depth: 39.83 ft Initial Depth to Water: 16.33 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 34 ft Estimated Total Volume Pumped: 24 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 4 in | Instrument Used: Aqua TROLL 400 Serial Number: 884186 |
|---|--|--|

Test Notes:

Sample time 1500. Cloudy 60s.

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 100 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 0.3 | |
| 2/15/2023 1:00 PM | 00:00 | 5.34 pH | 17.14 °C | 333.17 µS/cm | 1.04 mg/L | 38.70 NTU | 226.5 mV | 16.33 ft | 200.00 ml/min |
| 2/15/2023 1:05 PM | 05:00 | 5.34 pH | 17.13 °C | 334.76 µS/cm | 0.32 mg/L | 32.40 NTU | 217.9 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 1:10 PM | 10:00 | 5.33 pH | 17.14 °C | 331.22 µS/cm | 0.23 mg/L | 23.60 NTU | 242.5 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 1:15 PM | 15:00 | 5.34 pH | 17.14 °C | 329.68 µS/cm | 0.20 mg/L | 21.90 NTU | 211.3 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 1:20 PM | 20:00 | 5.34 pH | 17.16 °C | 330.59 µS/cm | 0.19 mg/L | 20.30 NTU | 234.6 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 1:25 PM | 25:00 | 5.34 pH | 17.20 °C | 329.24 µS/cm | 0.18 mg/L | 18.10 NTU | 205.9 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 1:30 PM | 30:00 | 5.33 pH | 17.23 °C | 329.43 µS/cm | 0.18 mg/L | 17.90 NTU | 228.6 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 1:35 PM | 35:00 | 5.33 pH | 17.24 °C | 327.84 µS/cm | 0.17 mg/L | 15.30 NTU | 202.6 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 1:40 PM | 40:00 | 5.33 pH | 17.28 °C | 328.74 µS/cm | 0.16 mg/L | 14.80 NTU | 224.1 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 1:45 PM | 45:00 | 5.34 pH | 17.28 °C | 328.50 µS/cm | 0.16 mg/L | 12.00 NTU | 224.2 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 1:50 PM | 50:00 | 5.34 pH | 17.35 °C | 326.35 µS/cm | 0.15 mg/L | 12.30 NTU | 198.7 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 1:55 PM | 55:00 | 5.34 pH | 17.40 °C | 325.93 µS/cm | 0.15 mg/L | 10.20 NTU | 195.2 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 2:00 PM | 01:00:00 | 5.34 pH | 17.46 °C | 326.45 µS/cm | 0.15 mg/L | 9.64 NTU | 215.8 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 2:05 PM | 01:05:00 | 5.34 pH | 17.50 °C | 326.11 µS/cm | 0.15 mg/L | 8.86 NTU | 217.0 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 2:10 PM | 01:10:00 | 5.34 pH | 17.41 °C | 325.76 µS/cm | 0.15 mg/L | 7.88 NTU | 217.6 mV | 16.70 ft | 200.00 ml/min |

| | | | | | | | | | |
|----------------------|----------|---------|----------|--------------|-----------|----------|----------|----------|---------------|
| 2/15/2023 2:15 PM | 01:15:00 | 5.34 pH | 17.37 °C | 324.57 µS/cm | 0.14 mg/L | 7.85 NTU | 194.4 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 2:20 PM | 01:20:00 | 5.34 pH | 17.34 °C | 324.59 µS/cm | 0.14 mg/L | 6.69 NTU | 213.0 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 2:25 PM | 01:25:00 | 5.35 pH | 17.32 °C | 322.84 µS/cm | 0.12 mg/L | 6.26 NTU | 190.9 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 2:30 PM | 01:30:00 | 5.35 pH | 17.31 °C | 323.28 µS/cm | 0.12 mg/L | 7.44 NTU | 209.3 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 2:35 PM | 01:35:00 | 5.35 pH | 17.32 °C | 322.45 µS/cm | 0.12 mg/L | 7.02 NTU | 212.0 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 2:40 PM | 01:40:00 | 5.36 pH | 17.31 °C | 320.38 µS/cm | 0.12 mg/L | 6.48 NTU | 188.5 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 2:45 PM | 01:45:00 | 5.36 pH | 17.46 °C | 320.92 µS/cm | 0.12 mg/L | 5.70 NTU | 206.1 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 2:50 PM | 01:50:00 | 5.35 pH | 17.40 °C | 320.41 µS/cm | 0.12 mg/L | 5.75 NTU | 208.1 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 2:55 PM | 01:55:00 | 5.35 pH | 17.33 °C | 319.88 µS/cm | 0.12 mg/L | 5.13 NTU | 208.2 mV | 16.70 ft | 200.00 ml/min |
| 2/15/2023 3:00 PM | 02:00:00 | 5.36 pH | 17.35 °C | 319.54 µS/cm | 0.11 mg/L | 4.47 NTU | 207.7 mV | 16.70 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/16/2023 10:35:19 AM

Project: Plant Wansley Ash Pond

Operator Name: A. Schnittker

| | | |
|---|---|--|
| Location Name: WGWC-26D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 59.57 ft Total Depth: 69.57 ft Initial Depth to Water: 28.78 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 64 ft Estimated Total Volume Pumped: 37.1 liter Flow Cell Volume: 90 ml Final Flow Rate: 275 ml/min Final Draw Down: 36 in | Instrument Used: Aqua TROLL 400 Serial Number: 884186 |
|---|---|--|

Test Notes:

Sample time 1250. Cloudy 60s. FD-02 here.

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|--------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 100 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 0.3 | |
| 2/16/2023 10:35 AM | 00:00 | 5.71 pH | 18.88 °C | 1,247.2 µS/cm | 2.60 mg/L | 57.20 NTU | 168.4 mV | 28.78 ft | 275.00 ml/min |
| 2/16/2023 10:40 AM | 05:00 | 5.57 pH | 18.81 °C | 1,160.2 µS/cm | 1.22 mg/L | 54.40 NTU | 160.1 mV | 30.90 ft | 275.00 ml/min |
| 2/16/2023 10:45 AM | 10:00 | 5.56 pH | 18.89 °C | 1,256.6 µS/cm | 0.80 mg/L | 34.80 NTU | 135.6 mV | 31.40 ft | 275.00 ml/min |
| 2/16/2023 10:50 AM | 15:00 | 5.58 pH | 18.88 °C | 1,341.5 µS/cm | 0.72 mg/L | 19.10 NTU | 140.9 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 10:55 AM | 20:00 | 5.59 pH | 18.99 °C | 1,339.7 µS/cm | 0.75 mg/L | 16.90 NTU | 131.4 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 11:00 AM | 25:00 | 5.59 pH | 18.91 °C | 1,339.4 µS/cm | 0.81 mg/L | 12.10 NTU | 125.2 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 11:05 AM | 30:00 | 5.59 pH | 18.90 °C | 1,338.2 µS/cm | 0.87 mg/L | 11.90 NTU | 119.0 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 11:10 AM | 35:00 | 5.58 pH | 18.84 °C | 1,336.5 µS/cm | 0.93 mg/L | 10.10 NTU | 114.5 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 11:15 AM | 40:00 | 5.57 pH | 18.82 °C | 1,341.0 µS/cm | 0.95 mg/L | 9.67 NTU | 96.8 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 11:20 AM | 45:00 | 5.56 pH | 18.86 °C | 1,331.6 µS/cm | 0.98 mg/L | 8.28 NTU | 106.9 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 11:25 AM | 50:00 | 5.55 pH | 19.09 °C | 1,313.8 µS/cm | 0.95 mg/L | 7.25 NTU | 92.6 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 11:30 AM | 55:00 | 5.55 pH | 19.01 °C | 1,333.2 µS/cm | 0.97 mg/L | 6.38 NTU | 90.9 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 11:35 AM | 01:00:00 | 5.55 pH | 18.97 °C | 1,326.1 µS/cm | 0.97 mg/L | 6.33 NTU | 101.5 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 11:40 AM | 01:05:00 | 5.54 pH | 18.95 °C | 1,322.4 µS/cm | 0.97 mg/L | 6.41 NTU | 90.4 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 11:45 AM | 01:10:00 | 5.54 pH | 18.93 °C | 1,332.0 µS/cm | 0.96 mg/L | 6.13 NTU | 89.1 mV | 31.80 ft | 275.00 ml/min |

| | | | | | | | | | |
|-----------------------|----------|---------|----------|------------------|-----------|----------|----------|----------|---------------|
| 2/16/2023 11:50 AM | 01:15:00 | 5.54 pH | 18.89 °C | 1,332.1 µS/cm | 0.95 mg/L | 5.28 NTU | 87.3 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 11:55 AM | 01:20:00 | 5.54 pH | 19.10 °C | 1,324.1 µS/cm | 0.98 mg/L | 5.97 NTU | 99.2 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 12:00 PM | 01:25:00 | 5.54 pH | 19.70 °C | 1,321.9 µS/cm | 1.00 mg/L | 5.92 NTU | 105.9 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 12:05 PM | 01:30:00 | 5.56 pH | 18.95 °C | 1,330.1 µS/cm | 0.89 mg/L | 6.96 NTU | 109.4 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 12:10 PM | 01:35:00 | 5.57 pH | 19.00 °C | 1,327.4 µS/cm | 0.95 mg/L | 6.28 NTU | 97.1 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 12:15 PM | 01:40:00 | 5.53 pH | 18.97 °C | 1,320.7 µS/cm | 0.96 mg/L | 6.65 NTU | 95.2 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 12:20 PM | 01:45:00 | 5.52 pH | 18.99 °C | 1,323.5 µS/cm | 0.96 mg/L | 7.35 NTU | 112.8 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 12:25 PM | 01:50:00 | 5.52 pH | 19.50 °C | 1,308.8 µS/cm | 0.96 mg/L | 6.29 NTU | 98.5 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 12:30 PM | 01:55:00 | 5.52 pH | 19.61 °C | 1,318.5 µS/cm | 0.96 mg/L | 6.32 NTU | 112.9 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 12:35 PM | 02:00:00 | 5.52 pH | 19.59 °C | 1,291.5 µS/cm | 0.96 mg/L | 5.40 NTU | 98.7 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 12:40 PM | 02:05:00 | 5.52 pH | 19.32 °C | 1,324.3 µS/cm | 0.97 mg/L | 5.56 NTU | 113.7 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 12:45 PM | 02:10:00 | 5.52 pH | 19.24 °C | 1,324.2 µS/cm | 0.98 mg/L | 5.33 NTU | 113.9 mV | 31.80 ft | 275.00 ml/min |
| 2/16/2023 12:50 PM | 02:15:00 | 5.52 pH | 19.42 °C | 1,323.0 µS/cm | 0.97 mg/L | 4.83 NTU | 114.0 mV | 31.80 ft | 275.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 2/16/2023 1:45:04 PM

Project: Plant Wansley Ash Pond

Operator Name: A. Schnittker

| | | |
|--|---|--|
| Location Name: WGWC-27 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 32.1 ft Total Depth: 42.18 ft Initial Depth to Water: 6.74 ft | Pump Type: Dedicated Bladder Pump Tubing Type: Poly Pump Intake From TOC: 37 ft Estimated Total Volume Pumped: 19.7 liter Flow Cell Volume: 90 ml Final Flow Rate: 175 ml/min Final Draw Down: 70 in | Instrument Used: Aqua TROLL 400 Serial Number: 884186 |
|--|---|--|

Test Notes:

Sample time 1525. Cloudy 60s. FB-09 here at 1555.

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|---------|----------------|---------------|
| | | +/- 0.1 | +/- 100 | +/- 5 % | +/- 10 % | +/- 10 | +/- 100 | +/- 0.3 | |
| 2/16/2023 1:45 PM | 00:00 | 6.36 pH | 18.30 °C | 532.90 µS/cm | 1.04 mg/L | 43.90 NTU | 43.9 mV | 6.74 ft | 275.00 ml/min |
| 2/16/2023 1:50 PM | 05:00 | 6.29 pH | 18.26 °C | 468.73 µS/cm | 1.42 mg/L | 39.50 NTU | 45.1 mV | 10.40 ft | 275.00 ml/min |
| 2/16/2023 1:55 PM | 10:00 | 6.25 pH | 18.26 °C | 426.11 µS/cm | 1.74 mg/L | 13.90 NTU | 48.8 mV | 11.00 ft | 275.00 ml/min |
| 2/16/2023 2:00 PM | 15:00 | 6.20 pH | 18.52 °C | 393.41 µS/cm | 2.00 mg/L | 7.99 NTU | 51.9 mV | 12.10 ft | 250.00 ml/min |
| 2/16/2023 2:05 PM | 20:00 | 6.15 pH | 18.65 °C | 367.74 µS/cm | 2.33 mg/L | 7.30 NTU | 57.6 mV | 12.40 ft | 250.00 ml/min |
| 2/16/2023 2:10 PM | 25:00 | 6.11 pH | 18.61 °C | 318.77 µS/cm | 2.77 mg/L | 6.58 NTU | 59.3 mV | 12.60 ft | 175.00 ml/min |
| 2/16/2023 2:15 PM | 30:00 | 6.09 pH | 18.44 °C | 315.30 µS/cm | 2.84 mg/L | 6.26 NTU | 60.1 mV | 12.60 ft | 175.00 ml/min |
| 2/16/2023 2:20 PM | 35:00 | 6.10 pH | 18.39 °C | 321.25 µS/cm | 2.77 mg/L | 5.44 NTU | 64.4 mV | 12.60 ft | 175.00 ml/min |
| 2/16/2023 2:25 PM | 40:00 | 6.09 pH | 18.79 °C | 321.80 µS/cm | 2.51 mg/L | 4.22 NTU | 68.4 mV | 12.60 ft | 175.00 ml/min |
| 2/16/2023 2:30 PM | 45:00 | 6.10 pH | 19.16 °C | 313.39 µS/cm | 2.64 mg/L | 4.09 NTU | 68.0 mV | 12.60 ft | 175.00 ml/min |
| 2/16/2023 2:35 PM | 50:00 | 6.06 pH | 18.37 °C | 280.25 µS/cm | 3.08 mg/L | 4.02 NTU | 67.9 mV | 12.60 ft | 175.00 ml/min |
| 2/16/2023 2:40 PM | 55:00 | 6.03 pH | 18.39 °C | 259.98 µS/cm | 3.32 mg/L | 3.70 NTU | 75.4 mV | 12.60 ft | 175.00 ml/min |
| 2/16/2023 2:45 PM | 01:00:00 | 6.02 pH | 18.52 °C | 253.68 µS/cm | 3.51 mg/L | 4.07 NTU | 78.8 mV | 12.60 ft | 175.00 ml/min |
| 2/16/2023 2:50 PM | 01:05:00 | 6.01 pH | 18.52 °C | 239.26 µS/cm | 3.66 mg/L | 5.40 NTU | 80.9 mV | 12.60 ft | 175.00 ml/min |
| 2/16/2023 2:55 PM | 01:10:00 | 6.00 pH | 18.54 °C | 229.91 µS/cm | 3.79 mg/L | 2.39 NTU | 82.9 mV | 12.60 ft | 175.00 ml/min |

| | | | | | | | | | |
|----------------------|----------|---------|----------|--------------|-----------|----------|---------|----------|---------------|
| 2/16/2023 3:00 PM | 01:15:00 | 5.98 pH | 18.53 °C | 225.38 µS/cm | 3.93 mg/L | 1.96 NTU | 85.5 mV | 12.60 ft | 175.00 ml/min |
| 2/16/2023 3:05 PM | 01:20:00 | 5.97 pH | 18.48 °C | 217.47 µS/cm | 3.95 mg/L | 2.33 NTU | 87.8 mV | 12.60 ft | 175.00 ml/min |
| 2/16/2023 3:10 PM | 01:25:00 | 5.95 pH | 18.61 °C | 206.32 µS/cm | 4.06 mg/L | 1.33 NTU | 90.6 mV | 12.60 ft | 175.00 ml/min |
| 2/16/2023 3:15 PM | 01:30:00 | 5.93 pH | 18.65 °C | 199.55 µS/cm | 4.25 mg/L | 1.59 NTU | 93.9 mV | 12.60 ft | 175.00 ml/min |
| 2/16/2023 3:20 PM | 01:35:00 | 5.94 pH | 18.64 °C | 192.88 µS/cm | 4.33 mg/L | 1.48 NTU | 94.6 mV | 12.60 ft | 175.00 ml/min |
| 2/16/2023 3:25 PM | 01:40:00 | 5.91 pH | 18.63 °C | 191.43 µS/cm | 4.45 mg/L | 2.63 NTU | 85.2 mV | 12.60 ft | 175.00 ml/min |

Samples

| | |
|-------------------|---------------------|
| Sample ID: | Description: |
|-------------------|---------------------|

Calibration Report

Instrument Aqua TROLL 400
Serial Number 965658
Created 2/16/2023

Sensor **RDO**

Serial Number 964434
Last Calibrated 2/16/2023

Calibration Details

Slope 1.045475
Offset 0.00 mg/L

Calibration point 100%

Concentration 9.17 mg/L
Temperature 16.37 °C
Barometric Pressure 992.28 mbar

Sensor **Conductivity**

Serial Number 965658
Last Calibrated 2/16/2023

Calibration Details

Cell Constant 0.957
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor **Level**

Serial Number 962246
Last Calibrated Factory Defaults

| | |
|-----------------|---------------|
| Sensor | pH/ORP |
| Serial Number | 22007 |
| Last Calibrated | 2/16/2023 |

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 131.1 mV
Temperature 17.09 °C

Calibration Point 2

pH of Buffer 7.04 pH
pH mV -39.1 mV
Temperature 16.91 °C

Calibration Point 3

pH of Buffer 10.11 pH
pH mV -209.1 mV
Temperature 16.99 °C

Slope and Offset 1

Slope -56 mV/pH
Offset -36.8 mV

Slope and Offset 2

Slope -55.38 mV/pH
Offset -36.9 mV

ORP

ORP Solution Zobell's
Offset 37.9 mV
Temperature 16.69 °C

Calibration Report

Instrument Aqua TROLL 400
Serial Number 965658
Created 2/15/2023

Sensor **RDO**

Serial Number 964434
Last Calibrated 2/15/2023

Calibration Details

Slope 1.080535
Offset 0.00 mg/L

Calibration point 100%

Concentration 9.02 mg/L
Temperature 15.66 °C
Barometric Pressure 994.00 mbar

Sensor **Conductivity**

Serial Number 965658
Last Calibrated 2/15/2023

Calibration Details

Cell Constant 0.935
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor **Level**

Serial Number 962246
Last Calibrated Factory Defaults

| | |
|-----------------|---------------|
| Sensor | pH/ORP |
| Serial Number | 22007 |
| Last Calibrated | 2/15/2023 |

Calibration Details

Total Calibration Points 1

Calibration Point 1

| | |
|--------------|----------|
| pH of Buffer | 7.04 pH |
| pH mV | -38.4 mV |
| Temperature | 16.15 °C |

Slope and Offset 1

| | |
|--------|-------------|
| Slope | -57.4 mV/pH |
| Offset | -36.1 mV |

ORP

| | |
|--------------|----------|
| ORP Solution | Zobell's |
| Offset | 37.5 mV |
| Temperature | 16.26 °C |

Calibration Report

Instrument Aqua TROLL 400
Serial Number 877800
Created 2/17/2023

Sensor **RDO**

Serial Number 878537
Last Calibrated 2/17/2023

Calibration Details

Slope 1.102722
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.91 mg/L
Temperature 14.52 °C
Barometric Pressure 989.07 mbar

Sensor **Conductivity**

Serial Number 877800
Last Calibrated 2/17/2023

Calibration Details

Cell Constant 1.002
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor **Level**

Serial Number 850056
Last Calibrated Factory Defaults

| Sensor | pH/ORP |
|-----------------|-----------|
| Serial Number | 21624 |
| Last Calibrated | 2/17/2023 |

Calibration Details

| | |
|--------------------------|---|
| Total Calibration Points | 3 |
|--------------------------|---|

Calibration Point 1

| | |
|--------------|----------|
| pH of Buffer | 4.00 pH |
| pH mV | 135.8 mV |
| Temperature | 13.09 °C |

Calibration Point 2

| | |
|--------------|----------|
| pH of Buffer | 7.04 pH |
| pH mV | -24.7 mV |
| Temperature | 14.25 °C |

Calibration Point 3

| | |
|--------------|-----------|
| pH of Buffer | 10.11 pH |
| pH mV | -166.9 mV |
| Temperature | 14.33 °C |

Slope and Offset 1

| | |
|--------|--------------|
| Slope | -52.79 mV/pH |
| Offset | -22.6 mV |

Slope and Offset 2

| | |
|--------|--------------|
| Slope | -46.34 mV/pH |
| Offset | -22.8 mV |

ORP

| | |
|--------------|----------|
| ORP Solution | Zobell's |
| Offset | 58.6 mV |
| Temperature | 14.13 °C |

Calibration Report

Instrument Aqua TROLL 400
Serial Number 877800
Created 2/16/2023

Sensor **RDO**

Serial Number 878537
Last Calibrated 2/16/2023

Calibration Details

Slope 1.103515
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.81 mg/L
Temperature 13.97 °C
Barometric Pressure 992.85 mbar

Sensor **Conductivity**

Serial Number 877800
Last Calibrated 2/16/2023

Calibration Details

Cell Constant 0.927
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor **Level**

Serial Number 850056
Last Calibrated Factory Defaults

| | |
|-----------------|---------------|
| Sensor | pH/ORP |
| Serial Number | 21624 |
| Last Calibrated | 2/16/2023 |

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 134.8 mV
Temperature 13.59 °C

Calibration Point 2

pH of Buffer 7.04 pH
pH mV -25.7 mV
Temperature 14.15 °C

Calibration Point 3

pH of Buffer 10.11 pH
pH mV -166.8 mV
Temperature 13.70 °C

Slope and Offset 1

Slope -52.8 mV/pH
Offset -23.6 mV

Slope and Offset 2

Slope -45.94 mV/pH
Offset -23.9 mV

ORP

ORP Solution Zobell's
Offset 50.4 mV
Temperature 14.04 °C

Calibration Report

Instrument Aqua TROLL 400
Serial Number 877800
Created 2/14/2023

Sensor **RDO**

Serial Number 878537
Last Calibrated 2/14/2023

Calibration Details

Slope 1.146566
Offset 0.00 mg/L

Calibration point 100%

Concentration 9.17 mg/L
Temperature 12.03 °C
Barometric Pressure 992.91 mbar

Sensor **Conductivity**

Serial Number 877800
Last Calibrated 2/14/2023

Calibration Details

Cell Constant 0.76
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor **Level**

Serial Number 850056
Last Calibrated Factory Defaults

| Sensor | pH/ORP |
|-----------------|-----------|
| Serial Number | 21624 |
| Last Calibrated | 2/14/2023 |

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 131.4 mV
Temperature 5.32 °C

Calibration Point 2

pH of Buffer 7.06 pH
pH mV -24.9 mV
Temperature 6.63 °C

Calibration Point 3

pH of Buffer 10.14 pH
pH mV -162.9 mV
Temperature 7.12 °C

Slope and Offset 1

Slope -51.08 mV/pH
Offset -21.8 mV

Slope and Offset 2

Slope -44.83 mV/pH
Offset -22.2 mV

ORP

ORP Solution Zobell's
Offset 39.1 mV
Temperature 7.95 °C

Calibration Report

Instrument Aqua TROLL 400
Serial Number 965678
Created 2/16/2023

Sensor **RDO**

Serial Number 964485
Last Calibrated 2/16/2023

Calibration Details

Slope 1.030878
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.76 mg/L
Temperature 19.30 °C
Barometric Pressure 992.82 mbar

Sensor **Conductivity**

Serial Number 965678
Last Calibrated 2/16/2023

Calibration Details

Cell Constant 0.961
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor **Level**

Serial Number 965199
Last Calibrated Factory Defaults

| | |
|-----------------|---------------|
| Sensor | pH/ORP |
| Serial Number | 21997 |
| Last Calibrated | 2/16/2023 |

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 129.8 mV
Temperature 18.63 °C

Calibration Point 2

pH of Buffer 7.02 pH
pH mV -33.8 mV
Temperature 18.61 °C

Calibration Point 3

pH of Buffer 10.05 pH
pH mV -207.7 mV
Temperature 18.66 °C

Slope and Offset 1

Slope -54.19 mV/pH
Offset -32.7 mV

Slope and Offset 2

Slope -57.39 mV/pH
Offset -32.7 mV

ORP

ORP Solution Zobell's
Offset 31.8 mV
Temperature 18.70 °C

Calibration Report

Instrument Aqua TROLL 400
Serial Number 884186
Created 2/16/2023

Sensor **RDO**

Serial Number 884407
Last Calibrated 2/16/2023

Calibration Details

Slope 0.9175784
Offset 0.00 mg/L

Calibration point 100%

Concentration 10.36 mg/L
Temperature 16.69 °C
Barometric Pressure 990.94 mbar

Sensor **Conductivity**

Serial Number 884186
Last Calibrated 2/16/2023

Calibration Details

Cell Constant 0.878
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor **Level**

Serial Number 879252
Last Calibrated 3/1/2022

Calibration Details

Zero Offset -0.13 psi
Reference Depth 0.00 ft
Reference Offset 0.00 psi

| Sensor | pH/ORP |
|-----------------|-----------|
| Serial Number | 21630 |
| Last Calibrated | 2/16/2023 |

Calibration Details

| | |
|--------------------------|---|
| Total Calibration Points | 3 |
|--------------------------|---|

Calibration Point 1

| | |
|--------------|----------|
| pH of Buffer | 4.00 pH |
| pH mV | 133.1 mV |
| Temperature | 15.69 °C |

Calibration Point 2

| | |
|--------------|----------|
| pH of Buffer | 7.04 pH |
| pH mV | -26.9 mV |
| Temperature | 14.96 °C |

Calibration Point 3

| | |
|--------------|-----------|
| pH of Buffer | 10.11 pH |
| pH mV | -181.2 mV |
| Temperature | 15.22 °C |

Slope and Offset 1

| | |
|--------|--------------|
| Slope | -52.62 mV/pH |
| Offset | -24.8 mV |

Slope and Offset 2

| | |
|--------|--------------|
| Slope | -50.28 mV/pH |
| Offset | -24.9 mV |

ORP

| | |
|--------------|----------|
| ORP Solution | Zobell's |
| Offset | 41.6 mV |
| Temperature | 14.72 °C |

Calibration Report

Instrument Aqua TROLL 400
Serial Number 884186
Created 2/15/2023

Sensor **RDO**
Serial Number 884407
Last Calibrated 2/15/2023

Calibration Details

Slope 0.9246063
Offset 0.00 mg/L

Calibration point 100%

Concentration 10.74 mg/L
Temperature 14.72 °C
Barometric Pressure 992.15 mbar

Sensor **Conductivity**
Serial Number 884186
Last Calibrated 2/15/2023

Calibration Details

Cell Constant 0.908
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor **Level**
Serial Number 879252
Last Calibrated 3/1/2022

Calibration Details

Zero Offset -0.13 psi
Reference Depth 0.00 ft
Reference Offset 0.00 psi

| Sensor | pH/ORP |
|-----------------|-----------|
| Serial Number | 21630 |
| Last Calibrated | 2/15/2023 |

Calibration Details

| | |
|--------------------------|---|
| Total Calibration Points | 3 |
|--------------------------|---|

Calibration Point 1

| | |
|--------------|----------|
| pH of Buffer | 4.00 pH |
| pH mV | 139.3 mV |
| Temperature | 14.17 °C |

Calibration Point 2

| | |
|--------------|----------|
| pH of Buffer | 7.04 pH |
| pH mV | -19.4 mV |
| Temperature | 13.78 °C |

Calibration Point 3

| | |
|--------------|-----------|
| pH of Buffer | 10.11 pH |
| pH mV | -178.9 mV |
| Temperature | 14.00 °C |

Slope and Offset 1

| | |
|--------|--------------|
| Slope | -52.23 mV/pH |
| Offset | -17.4 mV |

Slope and Offset 2

| | |
|--------|--------------|
| Slope | -51.93 mV/pH |
| Offset | -17.4 mV |

ORP

| | |
|--------------|----------|
| ORP Solution | Zobell's |
| Offset | 41.5 mV |
| Temperature | 13.68 °C |

Calibration Report

Instrument Aqua TROLL 400
Serial Number 884186
Created 2/14/2023

Sensor **RDO**
Serial Number 884407
Last Calibrated 2/14/2023

Calibration Details

Slope 0.9223402
Offset 0.00 mg/L

Calibration point 100%

Concentration 13.76 mg/L
Temperature 4.47 °C
Barometric Pressure 993.84 mbar

Sensor **Conductivity**
Serial Number 884186
Last Calibrated 2/14/2023

Calibration Details

Cell Constant 0.894
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor **Level**
Serial Number 879252
Last Calibrated 3/1/2022

Calibration Details

Zero Offset -0.13 psi
Reference Depth 0.00 ft
Reference Offset 0.00 psi

| Sensor | pH/ORP |
|-----------------|-----------|
| Serial Number | 21630 |
| Last Calibrated | 2/14/2023 |

Calibration Details

| | |
|--------------------------|---|
| Total Calibration Points | 3 |
|--------------------------|---|

Calibration Point 1

| | |
|--------------|----------|
| pH of Buffer | 4.00 pH |
| pH mV | 139.7 mV |
| Temperature | 5.86 °C |

Calibration Point 2

| | |
|--------------|----------|
| pH of Buffer | 7.06 pH |
| pH mV | -19.1 mV |
| Temperature | 4.77 °C |

Calibration Point 3

| | |
|--------------|-----------|
| pH of Buffer | 10.14 pH |
| pH mV | -177.8 mV |
| Temperature | 5.27 °C |

Slope and Offset 1

| | |
|--------|-------------|
| Slope | -51.9 mV/pH |
| Offset | -16.0 mV |

Slope and Offset 2

| | |
|--------|--------------|
| Slope | -51.51 mV/pH |
| Offset | -16.0 mV |

ORP

| | |
|--------------|----------|
| ORP Solution | Zobell's |
| Offset | 35.5 mV |
| Temperature | 7.23 °C |

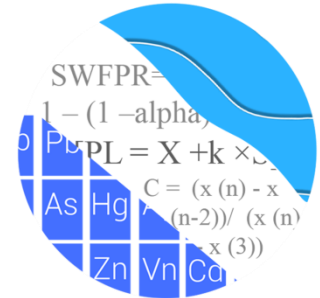
APPENDIX C

Statistical Analysis Report

GROUNDWATER STATS CONSULTING

August 31, 2023

Southern Company Services
Attn: Ms. Kristen Jurinko
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308



Re: Plant Wansley Ash Pond
February 2023 Statistical Analysis

Dear Ms. Jurinko,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the February 2023 Groundwater Detection and Assessment Monitoring Statistical summary for Georgia Power Company's Plant Wansley Ash Pond. The analysis complies with the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 as well as with the United States Environmental Protection Agency (USEPA) Unified Guidance (2009). The site is in Assessment Monitoring.

Sampling began for Appendix III and IV parameters in 2016 and at least 8 background samples have been collected at each of the groundwater monitoring wells except for those discussed below. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** WGWA-1, WGWA-2, WGWA-3, WGWA-4, WGWA-5, WGWA-6, WGWA-7, and WGWA-18
- **Downgradient wells:** WGWC-8, WGWC-9, WGWC-10, WGWC-11, WGWC-12, WGWC-13, WGWC-14A, WGWC-15, WGWC-16, WGWC-17, WGWC-19, WGWC-20, WGWC-21, WGWC-22, WGWC-23, WGWC-24, and WGWC-25
- **Assessment wells:** WGWC-26D and WGWC-27

Note that wells WGWC-20, WGWC-21, WGWC-22, WGWC-23, WGWC-24, and WGWC-25 were first sampled in March 2021. These wells have been sampled for Appendix III

parameters and lithium a maximum of 8 times and for other Appendix IV parameters a maximum of 6 times. Prediction limits were used to evaluate Appendix III constituents when a minimum of 8 samples is available; and confidence intervals will be constructed for Appendix IV parameters when a minimum of 4 samples is available. Assessment wells WGWC-26D and WGWC-27 were first sampled in October 2022 and data from these wells are plotted on time series and box plots and will be evaluated for Appendix IV constituents using confidence intervals when the minimum 4 samples are available.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager of Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology provided in the 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

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, box plots are 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. 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).

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 well/constituent pairs with 100% non-detects follows this letter. Data from these wells are plotted on the time series and box plots, but no formal statistics were required.

For all constituents, a substitution of the most recent reporting limit is used for non-detect data. For calculating prediction limits, the substitution is performed for individual wells and may differ across wells. This generally gives the most conservative limit in each case.

During the background screening conducted by MacStat Consulting in 2017, 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 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.

Statistical Methods – Appendix III Parameters:

Based on the earlier evaluation described above, Appendix III parameters are evaluated using interwell prediction limits combined with a 1-of-2 resample plan for all constituents: 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 most recent 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. 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.

Note that values shown on data pages reflect raw data and any non-detects that have been substituted with one-half of the reporting limit will be shown as "<" the original reporting limit on the data pages.

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 careful screening for any new outliers. While this was not required for this analysis, in some cases, the earlier portion of data record may require deselecting 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.

Statistical Evaluation of Appendix III Parameters – February 2023

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were re-assessed 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. No new values were flagged and a summary of 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 February 2023 (Figure D). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The February 2023 sample from each downgradient well is compared to the background limit to determine whether initial exceedances are present. It was noted that the reporting limit for boron, as provided by the laboratory, has fluctuated over the years from 0.05 mg/L to 0.1 mg/L. The most recent reporting limit in upgradient well data of 0.1 mg/L is substituted for all non-detects in the construction of interwell prediction limits as a result of substitution method discussed earlier.

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 resamples confirm the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; 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 background prediction limits and exceedances follows this letter. Exceedances were identified for the following well/constituent pairs:

- Boron: WGWC-8, WGWC-9, WGWC-16, WGWC-20, WGWC-21, WGWC-22, WGWC-24, and WGWC-25
- Calcium: WGWC-8, WGWC-20, and WGWC-21
- Chloride: WGWC-8, WGWC-16, WGWC-20, WGWC-21, WGWC-24, and WGWC-25
- Fluoride: WGWC-9, WGWC-15, WGWC-19, WGWC-20, WGWC-21, WGWC-22, and WGWC-24
- pH: WGWC-24
- Sulfate: WGWC-8, WGWC-9, WGWC-16, WGWC-20, WGWC-21, WGWC-22, WGWC-24, and WGWC-25
- TDS: WGWC-8, WGWC-20, WGWC-21, WGWC-22, WGWC-24, and WGWC-25

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 at the 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure E). Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site which is an indication of variability in groundwater unrelated to practices at the site. A summary of the Appendix III trend test results follows this letter. Statistically significant trends were noted for the following well/constituent pairs:

Increasing trends:

- Boron: WGWC-8, and WGWC-9
- Calcium: WGWC-8
- Chloride: WGWA-1 (upgradient) and WGWC-8
- Sulfate: WGWA-4 (upgradient), WGWC-8, WGWC-9, and WGWC-25
- TDS: WGWC-8

Decreasing trends:

- Boron: WGWC-16
- Calcium: WGWA-18 (upgradient)
- Chloride: WGWA-5 (upgradient), WGWC-16, and WGWC-24
- Fluoride: WGWA-18 (upgradient), WGWC-9, WGWC-15, and WGWC-22
- pH: WGWA-2 (upgradient)
- Sulfate: WGWC-16

Statistical Methods – Appendix IV Parameters

Appendix IV parameters are evaluated by statistically comparing the mean or median of each downgradient well/constituent pair against corresponding Groundwater Protection Standards (GWPS). The GWPS may be either regulatory (Maximum Contaminant Limits or CCR rule-specified limits) or site-specific limits that are based on upgradient background groundwater quality. Site-specific background limits are determined using upper tolerance limits, and the comparison of downgradient means or medians to GWPS is performed using confidence intervals. The methods are described below.

Statistical Evaluation of Appendix IV Parameters – February 2023

For Appendix IV parameters, confidence intervals for each downgradient well/constituent were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Downgradient and assessment well/constituent pairs that have 100% non-detects do not require analysis. Data from all wells for Appendix IV parameters are reassessed for outliers during each analysis prior to constructing statistical limits. No new values were flagged during this analysis and a complete list of flagged outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

First, interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through February 2023 for Appendix IV constituents (Figure F). Parametric tolerance limits are used when data follow a normal or transformed-normal distribution. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were used.

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 G).

Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed using data through February 2023 for each of the Appendix IV constituents in each downgradient well with a minimum of 4 samples (Figure H). The Sanitas software was used to calculate the tolerance limits and 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. Nonparametric confidence intervals, which use the highest and lowest values in background as interval limits, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

Note that the lower confidence limit resulted in a negative number for arsenic at WGWC-24 when constructed with a parametric confidence interval. Therefore, a non-

parametric confidence interval, which is bound by reported high and low measurements within a given well, were constructed for this particular case and may be found at the end of Figure H. This is a more conservative approach in that the lower confidence limit reflects the lowest reported measurement in the data set rather than a negative number.

The confidence intervals were compared to the GWPS established using the rules mentioned 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. Summaries and graphical results of the confidence intervals analyses follow this letter. Exceedances were noted for the following well/constituent pairs:

- Beryllium: WGWC-20 and WGWC-24
- Cobalt: WGWC-24
- Lithium: WGWC-19 and WGWC-20

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 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure I). 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 trends, 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. While no statistically significant increasing trends were identified, the following statistically significant decreasing trends were noted:

- Cobalt: WGWA-1, WGWA-2, WGWA-5, and WGWA-18 (all upgradient)

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Wansley Ash Pond. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Tristan Clark
Groundwater Analyst



Andrew Collins
Project Manager

100% Non-Detects: Appendix IV Downgradient & Assessment

Analysis Run 4/25/2023 10:06 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Antimony (mg/L)

WGWC-10, WGWC-13, WGWC-14A, WGWC-15, WGWC-16, WGWC-17, WGWC-24, WGWC-25, WGWC-26D

Arsenic (mg/L)

WGWC-19, WGWC-23, WGWC-25, WGWC-26D, WGWC-27

Beryllium (mg/L)

WGWC-10, WGWC-11, WGWC-12, WGWC-13, WGWC-15, WGWC-17, WGWC-19

Cadmium (mg/L)

WGWC-11, WGWC-12, WGWC-13, WGWC-14A, WGWC-15, WGWC-17, WGWC-19, WGWC-21, WGWC-23, WGWC-9

Chromium (mg/L)

WGWC-12, WGWC-16, WGWC-17, WGWC-19, WGWC-20, WGWC-22, WGWC-23, WGWC-24, WGWC-25, WGWC-27, WGWC-8

Lead (mg/L)

WGWC-20, WGWC-21, WGWC-25, WGWC-26D, WGWC-27

Mercury (mg/L)

WGWC-26D, WGWC-27

Molybdenum (mg/L)

WGWC-16, WGWC-23, WGWC-24, WGWC-25, WGWC-27, WGWC-8

Selenium (mg/L)

WGWC-13, WGWC-17, WGWC-21, WGWC-25, WGWC-27

Thallium (mg/L)

WGWC-12, WGWC-13, WGWC-15, WGWC-17, WGWC-20, WGWC-21, WGWC-23, WGWC-25, WGWC-26D, WGWC-27, WGWC-8, WGWC-9

Interwell Prediction Limit - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/20/2023, 12:40 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bg N | Bg Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-------------------------------------|---------|------------|------------|-----------|---------|------|------|---------|-----------|-------|---------|-----------|------------|-----------------------------|
| Boron, total (mg/L) | WGWC-16 | 0.1 | n/a | 2/15/2023 | 0.86 | Yes | 159 | n/a | n/a | 94.34 | n/a | n/a | 0.00007737 | NP Inter (NDs) 1 of 2 |
| Boron, total (mg/L) | WGWC-20 | 0.1 | n/a | 2/16/2023 | 3.5 | Yes | 159 | n/a | n/a | 94.34 | n/a | n/a | 0.00007737 | NP Inter (NDs) 1 of 2 |
| Boron, total (mg/L) | WGWC-21 | 0.1 | n/a | 2/16/2023 | 0.14 | Yes | 159 | n/a | n/a | 94.34 | n/a | n/a | 0.00007737 | NP Inter (NDs) 1 of 2 |
| Boron, total (mg/L) | WGWC-22 | 0.1 | n/a | 2/15/2023 | 0.39 | Yes | 159 | n/a | n/a | 94.34 | n/a | n/a | 0.00007737 | NP Inter (NDs) 1 of 2 |
| Boron, total (mg/L) | WGWC-24 | 0.1 | n/a | 2/15/2023 | 1.4 | Yes | 159 | n/a | n/a | 94.34 | n/a | n/a | 0.00007737 | NP Inter (NDs) 1 of 2 |
| Boron, total (mg/L) | WGWC-25 | 0.1 | n/a | 2/15/2023 | 0.89 | Yes | 159 | n/a | n/a | 94.34 | n/a | n/a | 0.00007737 | NP Inter (NDs) 1 of 2 |
| Boron, total (mg/L) | WGWC-8 | 0.1 | n/a | 2/16/2023 | 2.8 | Yes | 159 | n/a | n/a | 94.34 | n/a | n/a | 0.00007737 | NP Inter (NDs) 1 of 2 |
| Boron, total (mg/L) | WGWC-9 | 0.1 | n/a | 2/15/2023 | 0.69 | Yes | 159 | n/a | n/a | 94.34 | n/a | n/a | 0.00007737 | NP Inter (NDs) 1 of 2 |
| Calcium, total (mg/L) | WGWC-20 | 58 | n/a | 2/16/2023 | 190 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Calcium, total (mg/L) | WGWC-21 | 58 | n/a | 2/16/2023 | 68 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Calcium, total (mg/L) | WGWC-8 | 58 | n/a | 2/16/2023 | 92 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Chloride, Total (mg/L) | WGWC-16 | 6.05 | n/a | 2/15/2023 | 42 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Chloride, Total (mg/L) | WGWC-20 | 6.05 | n/a | 2/16/2023 | 230 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Chloride, Total (mg/L) | WGWC-21 | 6.05 | n/a | 2/16/2023 | 51 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Chloride, Total (mg/L) | WGWC-24 | 6.05 | n/a | 2/15/2023 | 39 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Chloride, Total (mg/L) | WGWC-25 | 6.05 | n/a | 2/15/2023 | 79 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Chloride, Total (mg/L) | WGWC-8 | 6.05 | n/a | 2/16/2023 | 120 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Fluoride, total (mg/L) | WGWC-15 | 0.284 | n/a | 2/15/2023 | 0.73 | Yes | 191 | n/a | n/a | 45.55 | n/a | n/a | 0.00005418 | NP Inter (normality) 1 of 2 |
| Fluoride, total (mg/L) | WGWC-19 | 0.284 | n/a | 2/16/2023 | 0.33 | Yes | 191 | n/a | n/a | 45.55 | n/a | n/a | 0.00005418 | NP Inter (normality) 1 of 2 |
| Fluoride, total (mg/L) | WGWC-20 | 0.284 | n/a | 2/16/2023 | 1.9 | Yes | 191 | n/a | n/a | 45.55 | n/a | n/a | 0.00005418 | NP Inter (normality) 1 of 2 |
| Fluoride, total (mg/L) | WGWC-21 | 0.284 | n/a | 2/16/2023 | 1.9 | Yes | 191 | n/a | n/a | 45.55 | n/a | n/a | 0.00005418 | NP Inter (normality) 1 of 2 |
| Fluoride, total (mg/L) | WGWC-22 | 0.284 | n/a | 2/15/2023 | 0.31 | Yes | 191 | n/a | n/a | 45.55 | n/a | n/a | 0.00005418 | NP Inter (normality) 1 of 2 |
| Fluoride, total (mg/L) | WGWC-24 | 0.284 | n/a | 2/15/2023 | 0.63 | Yes | 191 | n/a | n/a | 45.55 | n/a | n/a | 0.00005418 | NP Inter (normality) 1 of 2 |
| Fluoride, total (mg/L) | WGWC-9 | 0.284 | n/a | 2/15/2023 | 0.85 | Yes | 191 | n/a | n/a | 45.55 | n/a | n/a | 0.00005418 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-24 | 7.96 | 4.96 | 2/15/2023 | 4.54 | Yes | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-16 | 21 | n/a | 2/15/2023 | 54 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-20 | 21 | n/a | 2/16/2023 | 350 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-21 | 21 | n/a | 2/16/2023 | 340 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-22 | 21 | n/a | 2/15/2023 | 110 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-24 | 21 | n/a | 2/15/2023 | 120 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-25 | 21 | n/a | 2/15/2023 | 27 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-8 | 21 | n/a | 2/16/2023 | 250 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-9 | 21 | n/a | 2/15/2023 | 65 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-20 | 190 | n/a | 2/16/2023 | 960 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-21 | 190 | n/a | 2/16/2023 | 630 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-22 | 190 | n/a | 2/15/2023 | 210 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-24 | 190 | n/a | 2/15/2023 | 230 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-25 | 190 | n/a | 2/15/2023 | 200 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-8 | 190 | n/a | 2/16/2023 | 590 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |

Interwell Prediction Limit - All Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/20/2023, 12:40 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bg N | Bg Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|--|----------------|-------------|-------------|------------------|-------------|------------|------------|------------|------------|--------------|------------|------------|-------------------|------------------------------------|
| pH, Field (S.U.) | WGWC-10 | 7.96 | 4.96 | 2/16/2023 | 6.39 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-11 | 7.96 | 4.96 | 2/16/2023 | 5.69 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-12 | 7.96 | 4.96 | 2/16/2023 | 6.61 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-13 | 7.96 | 4.96 | 2/16/2023 | 6.27 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-14A | 7.96 | 4.96 | 2/16/2023 | 5.4 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-15 | 7.96 | 4.96 | 2/15/2023 | 7.72 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-16 | 7.96 | 4.96 | 2/15/2023 | 5.19 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-17 | 7.96 | 4.96 | 2/16/2023 | 6.28 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-19 | 7.96 | 4.96 | 2/16/2023 | 6.8 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-20 | 7.96 | 4.96 | 2/16/2023 | 5.17 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-21 | 7.96 | 4.96 | 2/16/2023 | 6.92 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-22 | 7.96 | 4.96 | 2/15/2023 | 5.47 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-23 | 7.96 | 4.96 | 2/15/2023 | 5.49 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-24 | 7.96 | 4.96 | 2/15/2023 | 4.54 | Yes | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-25 | 7.96 | 4.96 | 2/15/2023 | 5.36 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-8 | 7.96 | 4.96 | 2/16/2023 | 5.22 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-9 | 7.96 | 4.96 | 2/15/2023 | 5.86 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-10 | 21 | n/a | 2/16/2023 | 1.8 | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-11 | 21 | n/a | 2/16/2023 | 1 | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-12 | 21 | n/a | 2/16/2023 | 2.8 | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-13 | 21 | n/a | 2/16/2023 | 2.3 | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-14A | 21 | n/a | 2/16/2023 | 0.47J | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-15 | 21 | n/a | 2/15/2023 | 14 | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-16 | 21 | n/a | 2/15/2023 | 54 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-17 | 21 | n/a | 2/16/2023 | 2.6 | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-19 | 21 | n/a | 2/16/2023 | 3 | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-20 | 21 | n/a | 2/16/2023 | 350 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-21 | 21 | n/a | 2/16/2023 | 340 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-22 | 21 | n/a | 2/15/2023 | 110 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-23 | 21 | n/a | 2/15/2023 | 5.2 | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-24 | 21 | n/a | 2/15/2023 | 120 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-25 | 21 | n/a | 2/15/2023 | 27 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-8 | 21 | n/a | 2/16/2023 | 250 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-9 | 21 | n/a | 2/15/2023 | 65 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-10 | 190 | n/a | 2/16/2023 | 54 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-11 | 190 | n/a | 2/16/2023 | 33 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-12 | 190 | n/a | 2/16/2023 | 89 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-13 | 190 | n/a | 2/16/2023 | 81 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-14A | 190 | n/a | 2/16/2023 | 27 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-15 | 190 | n/a | 2/15/2023 | 130 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-16 | 190 | n/a | 2/15/2023 | 160 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-17 | 190 | n/a | 2/16/2023 | 77 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-19 | 190 | n/a | 2/16/2023 | 100 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-20 | 190 | n/a | 2/16/2023 | 960 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-21 | 190 | n/a | 2/16/2023 | 630 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-22 | 190 | n/a | 2/15/2023 | 210 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-23 | 190 | n/a | 2/15/2023 | 71 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-24 | 190 | n/a | 2/15/2023 | 230 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-25 | 190 | n/a | 2/15/2023 | 200 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-8 | 190 | n/a | 2/16/2023 | 590 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-9 | 190 | n/a | 2/15/2023 | 160 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |

Appendix III Trend Test - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/20/2023, 12:45 PM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Xform | Alpha | Method |
|-------------------------------------|--------------|-----------|-------|----------|------|----|-------|-----------|-------|-------|--------|
| Boron, total (mg/L) | WGWC-16 | -0.8386 | -117 | -81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-8 | 0.1899 | 122 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-9 | 0.05128 | 99 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-18 (bg) | -1.364 | -84 | -81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWC-8 | 10.03 | 163 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-1 (bg) | 0.08017 | 88 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-5 (bg) | -0.1013 | -102 | -74 | Yes | 19 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-16 | -39.71 | -109 | -81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-24 | -55.24 | -25 | -21 | Yes | 8 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-8 | 18.08 | 161 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-18 (bg) | -0.008559 | -120 | -105 | Yes | 24 | 16.67 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-15 | -0.02645 | -116 | -105 | Yes | 24 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-22 | -0.2356 | -25 | -21 | Yes | 8 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-9 | -0.1191 | -184 | -105 | Yes | 24 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-2 (bg) | -0.03618 | -111 | -105 | Yes | 24 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWA-4 (bg) | 0.3955 | 108 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-16 | -77.41 | -97 | -81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-25 | 12.63 | 27 | 21 | Yes | 8 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-8 | 13.54 | 140 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-9 | 2.768 | 107 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-8 | 45.28 | 156 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |

Appendix III Trend Test - All Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/20/2023, 12:45 PM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Xform | Alpha | Method |
|-------------------------------|---------------------|------------------|-------------|-------------|------------|-----------|--------------|------------|------------|-------------|-----------|
| Boron, total (mg/L) | WGWA-1 (bg) | 0 | -19 | -81 | No | 20 | 95 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWA-18 (bg) | 0 | 28 | 81 | No | 20 | 90 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWA-2 (bg) | 0 | -56 | -81 | No | 20 | 80 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWA-3 (bg) | 0 | 0 | 81 | No | 20 | 100 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWA-4 (bg) | 0 | 0 | 81 | No | 20 | 100 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWA-5 (bg) | 0 | -18 | -74 | No | 19 | 94.74 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWA-6 (bg) | 0 | 0 | 81 | No | 20 | 100 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWA-7 (bg) | 0 | -19 | -81 | No | 20 | 95 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-16 | -0.8386 | -117 | -81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-20 | 0.977 | 10 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-21 | -0.00553 | -2 | -21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-22 | 0.04328 | 10 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-24 | -0.5953 | -18 | -21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-25 | 0.2155 | 20 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-8 | 0.1899 | 122 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-9 | 0.05128 | 99 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-1 (bg) | 0.03829 | 80 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-18 (bg) | -1.364 | -84 | -81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-2 (bg) | -0.2535 | -50 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-3 (bg) | 0 | 2 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-4 (bg) | 0 | -24 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-5 (bg) | -0.0273 | -10 | -74 | No | 19 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-6 (bg) | 0 | 3 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-7 (bg) | -0.03602 | -22 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWC-20 | 42.34 | 8 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWC-21 | 0.7832 | 2 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWC-8 | 10.03 | 163 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-1 (bg) | 0.08017 | 88 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-18 (bg) | -0.05405 | -59 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-2 (bg) | 0.05384 | 80 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-3 (bg) | 0 | -10 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-4 (bg) | 0 | -56 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-5 (bg) | -0.1013 | -102 | -74 | Yes | 19 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-6 (bg) | 0 | 13 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-7 (bg) | 0 | 2 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-16 | -39.71 | -109 | -81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-20 | 69.78 | 10 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-21 | -5.288 | -8 | -21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-24 | -55.24 | -25 | -21 | Yes | 8 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-25 | 1.449 | 11 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-8 | 18.08 | 161 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-1 (bg) | 0 | -19 | -105 | No | 24 | 75 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-18 (bg) | -0.008559 | -120 | -105 | Yes | 24 | 16.67 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-2 (bg) | -0.01627 | -97 | -105 | No | 24 | 37.5 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-3 (bg) | 0 | -38 | -105 | No | 24 | 66.67 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-4 (bg) | -0.00409 | -69 | -105 | No | 24 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-5 (bg) | 0 | 25 | 98 | No | 23 | 86.96 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-6 (bg) | -0.003249 | -73 | -105 | No | 24 | 8.333 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-7 (bg) | 0 | -25 | -105 | No | 24 | 75 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-15 | -0.02645 | -116 | -105 | Yes | 24 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-19 | -0.01348 | -88 | -105 | No | 24 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-20 | 0.1192 | 10 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-21 | 0.0856 | 6 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-22 | -0.2356 | -25 | -21 | Yes | 8 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-24 | -0.4448 | -17 | -21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-9 | -0.1191 | -184 | -105 | Yes | 24 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-1 (bg) | -0.01725 | -67 | -105 | No | 24 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-18 (bg) | -0.1261 | -78 | -98 | No | 23 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-2 (bg) | -0.03618 | -111 | -105 | Yes | 24 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-3 (bg) | -0.0126 | -59 | -105 | No | 24 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-4 (bg) | 0.02032 | 28 | 105 | No | 24 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-5 (bg) | -0.01347 | -24 | -105 | No | 24 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-6 (bg) | 0.02152 | 55 | 98 | No | 23 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-7 (bg) | -0.03614 | -72 | -105 | No | 24 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWC-24 | 0.09684 | 17 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWA-1 (bg) | 0 | -13 | -81 | No | 20 | 90 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWA-18 (bg) | -0.5911 | -72 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWA-2 (bg) | -0.03939 | -32 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |

Appendix III Trend Test - All Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/20/2023, 12:45 PM

| <u>Constituent</u> | <u>Well</u> | <u>Slope</u> | <u>Calc.</u> | <u>Critical</u> | <u>Sig.</u> | <u>N</u> | <u>%NDs</u> | <u>Normality</u> | <u>Xform</u> | <u>Alpha</u> | <u>Method</u> |
|--|--------------------|---------------|--------------|-----------------|-------------|-----------|-------------|------------------|--------------|--------------|---------------|
| Sulfate as SO4 (mg/L) | WGWA-3 (bg) | -0.008795 | -18 | -81 | No | 20 | 5 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWA-4 (bg) | 0.3955 | 108 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWA-5 (bg) | 0.006046 | 7 | 74 | No | 19 | 21.05 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWA-6 (bg) | -0.02505 | -12 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWA-7 (bg) | 0 | -7 | -81 | No | 20 | 75 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-16 | -77.41 | -97 | -81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-20 | 37.49 | 10 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-21 | 36.17 | 7 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-22 | 17.63 | 8 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-24 | -35.21 | -15 | -21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-25 | 12.63 | 27 | 21 | Yes | 8 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-8 | 13.54 | 140 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-9 | 2.768 | 107 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWA-1 (bg) | 3.422 | 77 | 81 | No | 20 | 20 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWA-18 (bg) | -3.687 | -37 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWA-2 (bg) | 1.698 | 26 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWA-3 (bg) | 1.454 | 36 | 81 | No | 20 | 5 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWA-4 (bg) | 1.04 | 36 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWA-5 (bg) | 1.043 | 14 | 74 | No | 19 | 10.53 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWA-6 (bg) | 3.119 | 60 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWA-7 (bg) | 1.109 | 19 | 81 | No | 20 | 15 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-20 | 176.4 | 10 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-21 | 46.87 | 7 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-22 | 2.578 | 1 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-24 | -240.8 | -20 | -21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-25 | 0 | 2 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-8 | 45.28 | 156 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |

Upper Tolerance Limit Summary Table

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/24/2023, 11:51 AM

| Constituent | Well | Upper Lim. | Date | Observ. | Sig. | Bg.N | %NDs | Transform | Alpha | Method |
|-----------------------------------|------|------------|------|---------|------|------|-------|-----------|-----------|---------------------|
| Antimony (mg/L) | n/a | 0.0022 | n/a | n/a | n/a | 143 | 97.9 | n/a | 0.0006523 | NP Inter(NDs) |
| Arsenic (mg/L) | n/a | 0.0014 | n/a | n/a | n/a | 183 | 81.97 | n/a | NaN | NP Inter(NDs) |
| Barium (mg/L) | n/a | 0.062 | n/a | n/a | n/a | 0 | n/a | n/a | NaN | NP Inter(normality) |
| Beryllium (mg/L) | n/a | 0.0025 | n/a | n/a | n/a | 183 | 93.99 | n/a | NaN | NP Inter(NDs) |
| Cadmium (mg/L) | n/a | 0.0025 | n/a | n/a | n/a | 167 | 100 | n/a | 0.0001905 | NP Inter(NDs) |
| Chromium (mg/L) | n/a | 0.0063 | n/a | n/a | n/a | 183 | 95.08 | n/a | NaN | NP Inter(NDs) |
| Cobalt (mg/L) | n/a | 0.013 | n/a | n/a | n/a | 182 | 46.7 | n/a | NaN | NP Inter(normality) |
| Combined Radium 226 + 228 (pCi/L) | n/a | 10.4 | n/a | n/a | n/a | 180 | 0 | n/a | NaN | NP Inter(normality) |
| Fluoride, total (mg/L) | n/a | 0.284 | n/a | n/a | n/a | 191 | 45.55 | n/a | NaN | NP Inter(normality) |
| Lead (mg/L) | n/a | 0.001 | n/a | n/a | n/a | 167 | 88.62 | n/a | 0.0001905 | NP Inter(NDs) |
| Lithium (mg/L) | n/a | 0.009 | n/a | n/a | n/a | 173 | 50.29 | n/a | NaN | NP Inter(NDs) |
| Mercury (mg/L) | n/a | 0.0002 | n/a | n/a | n/a | 151 | 90.73 | n/a | 0.0004328 | NP Inter(NDs) |
| Molybdenum (mg/L) | n/a | 0.015 | n/a | n/a | n/a | 182 | 91.21 | n/a | NaN | NP Inter(NDs) |
| Selenium (mg/L) | n/a | 0.005 | n/a | n/a | n/a | 183 | 95.08 | n/a | NaN | NP Inter(NDs) |
| Thallium (mg/L) | n/a | 0.001 | n/a | n/a | n/a | 183 | 92.9 | n/a | NaN | NP Inter(NDs) |

| WANSLEY AP GWPS | | | | |
|--------------------------------|------------|---------------------------|-------------------|-------------|
| Constituent Name | MCL | CCR-Rule Specified | Background | GWPS |
| Antimony, Total (mg/L) | 0.006 | | 0.0022 | 0.006 |
| Arsenic, Total (mg/L) | 0.01 | | 0.0014 | 0.01 |
| Barium, Total (mg/L) | 2 | | 0.062 | 2 |
| Beryllium, Total (mg/L) | 0.004 | | 0.0025 | 0.004 |
| Cadmium, Total (mg/L) | 0.005 | | 0.0025 | 0.005 |
| Chromium, Total (mg/L) | 0.1 | | 0.0063 | 0.1 |
| Cobalt, Total (mg/L) | n/a | 0.006 | 0.013 | 0.013 |
| Combined Radium, Total (pCi/L) | 5 | | 10.4 | 10.4 |
| Fluoride, Total (mg/L) | 4 | | 0.28 | 4 |
| Lead, Total (mg/L) | n/a | 0.015 | 0.001 | 0.015 |
| Lithium, Total (mg/L) | n/a | 0.04 | 0.009 | 0.04 |
| Mercury, Total (mg/L) | 0.002 | | 0.0002 | 0.002 |
| Molybdenum, Total (mg/L) | n/a | 0.1 | 0.015 | 0.1 |
| Selenium, Total (mg/L) | 0.05 | | 0.005 | 0.05 |
| Thallium, Total (mg/L) | 0.002 | | 0.001 | 0.002 |

GWPS = Groundwater Protection Standard

MCL = Maximum Contaminant Level

CCR = Coal Combustion Residual

Highlighted cells indicate background is higher than established limit.

Confidence Intervals - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/25/2023, 10:11 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|------------------|---------|------------|------------|------------|------|----|----------|-----------|------|---------|-----------|-------|----------------|
| Beryllium (mg/L) | WGWC-20 | 0.01188 | 0.007483 | 0.004 | Yes | 6 | 0.009683 | 0.001602 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | WGWC-24 | 0.01516 | 0.004344 | 0.004 | Yes | 6 | 0.00975 | 0.003935 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | WGWC-24 | 0.133 | 0.02803 | 0.013 | Yes | 6 | 0.0805 | 0.0382 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | WGWC-19 | 0.05576 | 0.04868 | 0.04 | Yes | 23 | 0.05222 | 0.006769 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | WGWC-20 | 0.15 | 0.11 | 0.04 | Yes | 8 | 0.1238 | 0.01685 | 0 | None | No | 0.004 | NP (normality) |

Confidence Intervals - All Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/25/2023, 10:11 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-------------------------|----------------|----------------|-----------------|--------------|------------|----------|-----------------|-----------------|----------|--------------|-----------|-------------|----------------|
| Antimony (mg/L) | WGWC-11 | 0.002 | 0.00053 | 0.006 | No | 18 | 0.001918 | 0.0003465 | 94.44 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | WGWC-12 | 0.0023 | 0.002 | 0.006 | No | 18 | 0.002017 | 0.00007071 | 94.44 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | WGWC-19 | 0.002 | 0.00058 | 0.006 | No | 18 | 0.001921 | 0.0003347 | 94.44 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | WGWC-20 | 0.002 | 0.00066 | 0.006 | No | 6 | 0.001627 | 0.0005949 | 66.67 | None | No | 0.0155 | NP (NDs) |
| Antimony (mg/L) | WGWC-21 | 0.002 | 0.00053 | 0.006 | No | 6 | 0.001307 | 0.0007638 | 50 | None | No | 0.0155 | NP (normality) |
| Antimony (mg/L) | WGWC-22 | 0.00116 | 0.0005103 | 0.006 | No | 6 | 0.001223 | 0.0006377 | 33.33 | Kaplan-Meier | No | 0.01 | Param. |
| Antimony (mg/L) | WGWC-23 | 0.002073 | 0.001049 | 0.006 | No | 6 | 0.00175 | 0.0004087 | 33.33 | Kaplan-Meier | No | 0.01 | Param. |
| Antimony (mg/L) | WGWC-8 | 0.011 | 0.00064 | 0.006 | No | 18 | 0.002424 | 0.002164 | 88.89 | Kaplan-Meier | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | WGWC-9 | 0.0043 | 0.0011 | 0.006 | No | 18 | 0.00215 | 0.001699 | 66.67 | Kaplan-Meier | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | WGWC-10 | 0.001 | 0.00089 | 0.01 | No | 23 | 0.0008883 | 0.0002391 | 78.26 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | WGWC-11 | 0.001 | 0.00054 | 0.01 | No | 23 | 0.0009357 | 0.0001702 | 86.96 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | WGWC-12 | 0.001 | 0.00052 | 0.01 | No | 23 | 0.0009291 | 0.0001886 | 86.96 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | WGWC-13 | 0.001 | 0.00039 | 0.01 | No | 23 | 0.0007817 | 0.0003213 | 47.83 | None | No | 0.01 | NP (normality) |
| Arsenic (mg/L) | WGWC-14A | 0.0014 | 0.00095 | 0.01 | No | 23 | 0.001211 | 0.0005498 | 69.57 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | WGWC-15 | 0.00201 | 0.001152 | 0.01 | No | 23 | 0.001581 | 0.0008198 | 4.348 | None | No | 0.01 | Param. |
| Arsenic (mg/L) | WGWC-16 | 0.0014 | 0.001 | 0.01 | No | 23 | 0.001137 | 0.0003124 | 56.52 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | WGWC-17 | 0.001 | 0.00075 | 0.01 | No | 23 | 0.0008609 | 0.0002015 | 56.52 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | WGWC-20 | 0.0007446 | 0.0002254 | 0.01 | No | 6 | 0.0006567 | 0.0003151 | 33.33 | Kaplan-Meier | No | 0.01 | Param. |
| Arsenic (mg/L) | WGWC-21 | 0.0007759 | 0.0002521 | 0.01 | No | 6 | 0.000595 | 0.0002752 | 16.67 | Kaplan-Meier | No | 0.01 | Param. |
| Arsenic (mg/L) | WGWC-22 | 0.001 | 0.00029 | 0.01 | No | 6 | 0.0007917 | 0.0003272 | 66.67 | Kaplan-Meier | No | 0.0155 | NP (NDs) |
| Arsenic (mg/L) | WGWC-24 | 0.0033 | 0.00028 | 0.01 | No | 6 | 0.00162 | 0.00125 | 16.67 | None | No | 0.0155 | NP (selected) |
| Arsenic (mg/L) | WGWC-8 | 0.001007 | 0.0006326 | 0.01 | No | 23 | 0.0009835 | 0.0002734 | 47.83 | Kaplan-Meier | x^2 | 0.01 | Param. |
| Arsenic (mg/L) | WGWC-9 | 0.0017 | 0.00078 | 0.01 | No | 23 | 0.0009978 | 0.000193 | 86.96 | None | No | 0.01 | NP (NDs) |
| Barium (mg/L) | WGWC-10 | 0.04034 | 0.03431 | 2 | No | 23 | 0.03766 | 0.006423 | 0 | None | ln(x) | 0.01 | Param. |
| Barium (mg/L) | WGWC-11 | 0.04039 | 0.03296 | 2 | No | 23 | 0.03691 | 0.007495 | 0 | None | sqrt(x) | 0.01 | Param. |
| Barium (mg/L) | WGWC-12 | 0.01902 | 0.01526 | 2 | No | 23 | 0.0168 | 0.003974 | 0 | None | x^2 | 0.01 | Param. |
| Barium (mg/L) | WGWC-13 | 0.05448 | 0.045 | 2 | No | 23 | 0.04974 | 0.009056 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | WGWC-14A | 0.0433 | 0.03029 | 2 | No | 23 | 0.03752 | 0.01356 | 0 | None | sqrt(x) | 0.01 | Param. |
| Barium (mg/L) | WGWC-15 | 0.02514 | 0.021 | 2 | No | 23 | 0.02307 | 0.003964 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | WGWC-16 | 0.05477 | 0.03889 | 2 | No | 23 | 0.04767 | 0.01549 | 0 | None | sqrt(x) | 0.01 | Param. |
| Barium (mg/L) | WGWC-17 | 0.018 | 0.011 | 2 | No | 23 | 0.01439 | 0.004034 | 0 | None | No | 0.01 | NP (normality) |
| Barium (mg/L) | WGWC-19 | 0.01 | 0.0012 | 2 | No | 23 | 0.004584 | 0.004188 | 34.78 | None | No | 0.01 | NP (normality) |
| Barium (mg/L) | WGWC-20 | 0.01 | 0.00091 | 2 | No | 6 | 0.008485 | 0.003711 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Barium (mg/L) | WGWC-21 | 0.009115 | 0.004252 | 2 | No | 6 | 0.006683 | 0.00177 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | WGWC-22 | 0.04101 | 0.02232 | 2 | No | 6 | 0.03167 | 0.006802 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | WGWC-23 | 0.009861 | 0.005873 | 2 | No | 6 | 0.007867 | 0.001451 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | WGWC-24 | 0.04289 | 0.02644 | 2 | No | 6 | 0.03467 | 0.005989 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | WGWC-25 | 0.41 | 0.3066 | 2 | No | 6 | 0.3583 | 0.03764 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | WGWC-8 | 0.01 | 0.0011 | 2 | No | 23 | 0.00494 | 0.004209 | 39.13 | None | No | 0.01 | NP (normality) |
| Barium (mg/L) | WGWC-9 | 0.01 | 0.00092 | 2 | No | 23 | 0.005097 | 0.004423 | 43.48 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | WGWC-14A | 0.0025 | 0.00031 | 0.004 | No | 23 | 0.001817 | 0.001056 | 69.57 | None | No | 0.01 | NP (NDs) |
| Beryllium (mg/L) | WGWC-16 | 0.0025 | 0.00022 | 0.004 | No | 23 | 0.002401 | 0.0004754 | 95.65 | None | No | 0.01 | NP (NDs) |
| Beryllium (mg/L) | WGWC-20 | 0.01188 | 0.007483 | 0.004 | Yes | 6 | 0.009683 | 0.001602 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | WGWC-21 | 0.0025 | 0.00022 | 0.004 | No | 6 | 0.00212 | 0.0009308 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Beryllium (mg/L) | WGWC-22 | 0.0006834 | 0.00052 | 0.004 | No | 6 | 0.0006017 | 0.00005947 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | WGWC-23 | 0.00126 | 0.0007869 | 0.004 | No | 6 | 0.001023 | 0.0001721 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | WGWC-24 | 0.01516 | 0.004344 | 0.004 | Yes | 6 | 0.00975 | 0.003935 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | WGWC-25 | 0.0025 | 0.0002 | 0.004 | No | 6 | 0.0006267 | 0.0009185 | 16.67 | None | No | 0.0155 | NP (normality) |
| Beryllium (mg/L) | WGWC-8 | 0.002166 | 0.001647 | 0.004 | No | 23 | 0.001907 | 0.000497 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | WGWC-9 | 0.0025 | 0.00036 | 0.004 | No | 23 | 0.001212 | 0.001057 | 39.13 | None | No | 0.01 | NP (normality) |
| Cadmium (mg/L) | WGWC-10 | 0.0025 | 0.00021 | 0.005 | No | 21 | 0.002391 | 0.0004997 | 95.24 | None | No | 0.01 | NP (NDs) |
| Cadmium (mg/L) | WGWC-16 | 0.0005633 | 0.0002785 | 0.005 | No | 21 | 0.001154 | 0.0009904 | 33.33 | Kaplan-Meier | ln(x) | 0.01 | Param. |
| Cadmium (mg/L) | WGWC-20 | 0.0025 | 0.00026 | 0.005 | No | 6 | 0.001805 | 0.001081 | 66.67 | Kaplan-Meier | No | 0.0155 | NP (NDs) |
| Cadmium (mg/L) | WGWC-22 | 0.0025 | 0.00009 | 0.005 | No | 6 | 0.001353 | 0.001258 | 50 | None | No | 0.0155 | NP (normality) |
| Cadmium (mg/L) | WGWC-24 | 0.00063 | 0.0001467 | 0.005 | No | 6 | 0.0003883 | 0.0001759 | 0 | None | No | 0.01 | Param. |

Confidence Intervals - All Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/25/2023, 10:11 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-----------------------------------|----------------|--------------|----------------|--------------|------------|----------|---------------|---------------|----------|--------------|-----------|-------------|----------------|
| Cadmium (mg/L) | WGWC-25 | 0.0025 | 0.0001 | 0.005 | No | 6 | 0.001703 | 0.001234 | 66.67 | None | No | 0.0155 | NP (NDs) |
| Cadmium (mg/L) | WGWC-8 | 0.0025 | 0.00065 | 0.005 | No | 21 | 0.002412 | 0.0004037 | 95.24 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | WGWC-10 | 0.002223 | 0.001542 | 0.1 | No | 23 | 0.001883 | 0.0006506 | 13.04 | None | No | 0.01 | Param. |
| Chromium (mg/L) | WGWC-11 | 0.0021 | 0.0017 | 0.1 | No | 23 | 0.001917 | 0.0002516 | 82.61 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | WGWC-13 | 0.002 | 0.0019 | 0.1 | No | 23 | 0.001974 | 0.00007518 | 86.96 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | WGWC-14A | 0.002 | 0.0017 | 0.1 | No | 23 | 0.001987 | 0.00006255 | 95.65 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | WGWC-15 | 0.002 | 0.0015 | 0.1 | No | 23 | 0.001978 | 0.0001043 | 95.65 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | WGWC-21 | 0.002 | 0.0015 | 0.1 | No | 6 | 0.001917 | 0.0002041 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Chromium (mg/L) | WGWC-9 | 0.0025 | 0.002 | 0.1 | No | 23 | 0.002022 | 0.0001043 | 95.65 | None | No | 0.01 | NP (NDs) |
| Cobalt (mg/L) | WGWC-10 | 0.001414 | 0.0007674 | 0.013 | No | 23 | 0.001152 | 0.000715 | 8.696 | None | sqrt(x) | 0.01 | Param. |
| Cobalt (mg/L) | WGWC-11 | 0.0025 | 0.00064 | 0.013 | No | 23 | 0.00158 | 0.0009506 | 39.13 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | WGWC-12 | 0.000982 | 0.0004403 | 0.013 | No | 23 | 0.0009204 | 0.001025 | 4.348 | None | ln(x) | 0.01 | Param. |
| Cobalt (mg/L) | WGWC-13 | 0.0025 | 0.0008 | 0.013 | No | 23 | 0.002052 | 0.0008762 | 78.26 | None | No | 0.01 | NP (NDs) |
| Cobalt (mg/L) | WGWC-14A | 0.009435 | 0.004799 | 0.013 | No | 23 | 0.007117 | 0.004432 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | WGWC-15 | 0.0025 | 0.00015 | 0.013 | No | 23 | 0.002398 | 0.00049 | 95.65 | None | No | 0.01 | NP (NDs) |
| Cobalt (mg/L) | WGWC-16 | 0.005748 | 0.0008712 | 0.013 | No | 23 | 0.006188 | 0.006027 | 21.74 | Kaplan-Meier | sqrt(x) | 0.01 | Param. |
| Cobalt (mg/L) | WGWC-17 | 0.00146 | 0.0007439 | 0.013 | No | 23 | 0.001102 | 0.0006843 | 13.04 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | WGWC-19 | 0.0025 | 0.00024 | 0.013 | No | 23 | 0.001277 | 0.001101 | 43.48 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | WGWC-20 | 0.0025 | 0.00037 | 0.013 | No | 6 | 0.001805 | 0.001077 | 66.67 | None | No | 0.0155 | NP (NDs) |
| Cobalt (mg/L) | WGWC-21 | 0.0025 | 0.00032 | 0.013 | No | 6 | 0.0008417 | 0.0008493 | 16.67 | None | No | 0.0155 | NP (normality) |
| Cobalt (mg/L) | WGWC-22 | 0.0025 | 0.00025 | 0.013 | No | 6 | 0.001412 | 0.001193 | 50 | None | No | 0.0155 | NP (normality) |
| Cobalt (mg/L) | WGWC-23 | 0.0025 | 0.00016 | 0.013 | No | 6 | 0.001722 | 0.001206 | 66.67 | None | No | 0.0155 | NP (NDs) |
| Cobalt (mg/L) | WGWC-24 | 0.133 | 0.02803 | 0.013 | Yes | 6 | 0.0805 | 0.0382 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | WGWC-25 | 0.005181 | 0.003719 | 0.013 | No | 6 | 0.00445 | 0.000532 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | WGWC-8 | 0.0025 | 0.00066 | 0.013 | No | 23 | 0.001737 | 0.001033 | 43.48 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | WGWC-9 | 0.0025 | 0.00073 | 0.013 | No | 23 | 0.002423 | 0.0003691 | 95.65 | None | No | 0.01 | NP (NDs) |
| Combined Radium 226 + 228 (pCi/L) | WGWC-10 | 0.4457 | 0.2064 | 10.4 | No | 23 | 0.3261 | 0.2288 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-11 | 0.6043 | 0.2196 | 10.4 | No | 23 | 0.4119 | 0.3678 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-12 | 0.5629 | 0.2068 | 10.4 | No | 23 | 0.3848 | 0.3404 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-13 | 0.757 | 0.469 | 10.4 | No | 23 | 0.613 | 0.2754 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-14A | 0.8308 | 0.5537 | 10.4 | No | 23 | 0.7097 | 0.2938 | 0 | None | sqrt(x) | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-15 | 0.6051 | 0.2991 | 10.4 | No | 23 | 0.4854 | 0.3344 | 0 | None | sqrt(x) | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-16 | 1.597 | 0.7565 | 10.4 | No | 23 | 1.274 | 0.8774 | 0 | None | sqrt(x) | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-17 | 0.5286 | 0.16 | 10.4 | No | 23 | 0.3443 | 0.3524 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-19 | 0.5409 | 0.2084 | 10.4 | No | 23 | 0.3747 | 0.3179 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-20 | 1.457 | 0.587 | 10.4 | No | 6 | 1.022 | 0.3167 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-21 | 2.27 | 0.3891 | 10.4 | No | 6 | 1.329 | 0.6844 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-22 | 7.799 | 2.781 | 10.4 | No | 6 | 5.29 | 1.826 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-23 | 1.399 | 0.1906 | 10.4 | No | 6 | 0.7948 | 0.4399 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-24 | 1.44 | 0.6443 | 10.4 | No | 6 | 1.02 | 0.3145 | 0 | None | sqrt(x) | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-25 | 1.078 | 0.4824 | 10.4 | No | 6 | 0.78 | 0.2166 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-8 | 2.213 | 1.466 | 10.4 | No | 23 | 1.84 | 0.7134 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-9 | 0.4101 | 0.1637 | 10.4 | No | 23 | 0.2869 | 0.2355 | 0 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-10 | 0.1674 | 0.123 | 4 | No | 24 | 0.1452 | 0.04353 | 0 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-11 | 0.1 | 0.045 | 4 | No | 24 | 0.07996 | 0.03544 | 54.17 | None | No | 0.01 | NP (NDs) |
| Fluoride, total (mg/L) | WGWC-12 | 0.09739 | 0.07226 | 4 | No | 24 | 0.109 | 0.047 | 16.67 | Kaplan-Meier | sqrt(x) | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-13 | 0.2778 | 0.1992 | 4 | No | 24 | 0.2385 | 0.07692 | 4.167 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-14A | 0.1 | 0.048 | 4 | No | 24 | 0.08133 | 0.02808 | 66.67 | None | No | 0.01 | NP (NDs) |
| Fluoride, total (mg/L) | WGWC-15 | 0.8568 | 0.7665 | 4 | No | 24 | 0.8116 | 0.08846 | 0 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-16 | 0.15 | 0.067 | 4 | No | 24 | 0.2208 | 0.2949 | 8.333 | None | No | 0.01 | NP (normality) |
| Fluoride, total (mg/L) | WGWC-17 | 0.1266 | 0.08023 | 4 | No | 24 | 0.1034 | 0.04544 | 4.167 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-19 | 0.3721 | 0.3246 | 4 | No | 24 | 0.3483 | 0.04659 | 0 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-20 | 2.212 | 1.717 | 4 | No | 8 | 1.963 | 0.2446 | 0 | None | x^(1/3) | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-21 | 1.961 | 1.689 | 4 | No | 8 | 1.825 | 0.1282 | 0 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-22 | 1.4 | 0.31 | 4 | No | 8 | 0.6088 | 0.4094 | 0 | None | No | 0.004 | NP (normality) |

Confidence Intervals - All Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/25/2023, 10:11 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|------------------------|----------------|----------------|----------------|-------------|------------|-----------|----------------|-----------------|----------|-------------|-----------|--------------|-----------------------|
| Fluoride, total (mg/L) | WGWC-23 | 0.0861 | 0.03397 | 4 | No | 8 | 0.05938 | 0.02524 | 0 | None | sqrt(x) | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-24 | 1.151 | 0.4268 | 4 | No | 8 | 0.7888 | 0.3415 | 0 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-25 | 0.1 | 0.028 | 4 | No | 8 | 0.06763 | 0.03512 | 50 | None | No | 0.004 | NP (normality) |
| Fluoride, total (mg/L) | WGWC-8 | 0.3233 | 0.1962 | 4 | No | 24 | 0.2598 | 0.1245 | 0 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-9 | 1.445 | 1.133 | 4 | No | 24 | 1.289 | 0.306 | 0 | None | No | 0.01 | Param. |
| Lead (mg/L) | WGWC-10 | 0.001 | 0.00023 | 0.015 | No | 21 | 0.000641 | 0.0003898 | 52.38 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-11 | 0.001 | 0.00058 | 0.015 | No | 21 | 0.0008838 | 0.0002517 | 80.95 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-12 | 0.001 | 0.00033 | 0.015 | No | 21 | 0.0009681 | 0.0001462 | 95.24 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-13 | 0.001 | 0.00045 | 0.015 | No | 21 | 0.0006976 | 0.0003047 | 38.1 | None | No | 0.01 | NP (normality) |
| Lead (mg/L) | WGWC-14A | 0.001 | 0.00031 | 0.015 | No | 21 | 0.0007319 | 0.0003609 | 61.9 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-15 | 0.001 | 0.0003 | 0.015 | No | 21 | 0.0009667 | 0.0001528 | 95.24 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-16 | 0.001 | 0.00014 | 0.015 | No | 21 | 0.0009176 | 0.0002602 | 90.48 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-17 | 0.001 | 0.00033 | 0.015 | No | 21 | 0.00093 | 0.000222 | 90.48 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-19 | 0.001 | 0.0003 | 0.015 | No | 21 | 0.0009667 | 0.0001528 | 95.24 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-22 | 0.001 | 0.00022 | 0.015 | No | 6 | 0.0004017 | 0.0003009 | 16.67 | None | No | 0.0155 | NP (normality) |
| Lead (mg/L) | WGWC-23 | 0.0046 | 0.001 | 0.015 | No | 6 | 0.0016 | 0.00147 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Lead (mg/L) | WGWC-24 | 0.001116 | 0.0002609 | 0.015 | No | 6 | 0.0006883 | 0.0003112 | 0 | None | No | 0.01 | Param. |
| Lead (mg/L) | WGWC-8 | 0.001 | 0.00017 | 0.015 | No | 21 | 0.0007119 | 0.0003865 | 61.9 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-9 | 0.001 | 0.00014 | 0.015 | No | 21 | 0.000959 | 0.0001877 | 95.24 | None | No | 0.01 | NP (NDs) |
| Lithium (mg/L) | WGWC-10 | 0.01296 | 0.006432 | 0.04 | No | 23 | 0.0104 | 0.007152 | 0 | None | sqrt(x) | 0.01 | Param. |
| Lithium (mg/L) | WGWC-11 | 0.005 | 0.0018 | 0.04 | No | 23 | 0.004357 | 0.001439 | 82.61 | None | No | 0.01 | NP (NDs) |
| Lithium (mg/L) | WGWC-12 | 0.0077 | 0.0062 | 0.04 | No | 23 | 0.007465 | 0.004191 | 4.348 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | WGWC-13 | 0.005 | 0.0037 | 0.04 | No | 23 | 0.00427 | 0.00121 | 69.57 | None | No | 0.01 | NP (NDs) |
| Lithium (mg/L) | WGWC-14A | 0.005 | 0.0025 | 0.04 | No | 23 | 0.004004 | 0.00138 | 60.87 | None | No | 0.01 | NP (NDs) |
| Lithium (mg/L) | WGWC-15 | 0.007134 | 0.005301 | 0.04 | No | 23 | 0.006217 | 0.001752 | 8.696 | None | No | 0.01 | Param. |
| Lithium (mg/L) | WGWC-16 | 0.01064 | 0.006205 | 0.04 | No | 23 | 0.008796 | 0.00484 | 4.348 | None | sqrt(x) | 0.01 | Param. |
| Lithium (mg/L) | WGWC-17 | 0.0058 | 0.0045 | 0.04 | No | 23 | 0.005909 | 0.004269 | 4.348 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | WGWC-19 | 0.05576 | 0.04868 | 0.04 | Yes | 23 | 0.05222 | 0.006769 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | WGWC-20 | 0.15 | 0.11 | 0.04 | Yes | 8 | 0.1238 | 0.01685 | 0 | None | No | 0.004 | NP (normality) |
| Lithium (mg/L) | WGWC-21 | 0.0547 | 0.0278 | 0.04 | No | 8 | 0.04125 | 0.01269 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | WGWC-22 | 0.011 | 0.0081 | 0.04 | No | 8 | 0.01005 | 0.001139 | 0 | None | No | 0.004 | NP (normality) |
| Lithium (mg/L) | WGWC-23 | 0.005 | 0.0015 | 0.04 | No | 8 | 0.003775 | 0.001696 | 62.5 | None | No | 0.004 | NP (NDs) |
| Lithium (mg/L) | WGWC-24 | 0.008791 | 0.004759 | 0.04 | No | 8 | 0.006775 | 0.001902 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | WGWC-25 | 0.004552 | 0.003423 | 0.04 | No | 8 | 0.003988 | 0.000533 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | WGWC-8 | 0.017 | 0.013 | 0.04 | No | 23 | 0.01646 | 0.009504 | 0 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | WGWC-9 | 0.03723 | 0.03212 | 0.04 | No | 23 | 0.03467 | 0.004879 | 0 | None | No | 0.01 | Param. |
| Mercury (mg/L) | WGWC-10 | 0.0002 | 0.00013 | 0.002 | No | 19 | 0.0001779 | 0.000045 | 78.95 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-11 | 0.0002 | 0.00011 | 0.002 | No | 19 | 0.0001891 | 0.00003312 | 89.47 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-12 | 0.0002 | 0.00018 | 0.002 | No | 19 | 0.0001831 | 0.00003787 | 78.95 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-13 | 0.0002 | 0.000083 | 0.002 | No | 19 | 0.0001876 | 0.00003721 | 89.47 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-14A | 0.0002 | 0.00013 | 0.002 | No | 19 | 0.0001963 | 0.00001606 | 94.74 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-15 | 0.0002 | 0.000093 | 0.002 | No | 19 | 0.0001755 | 0.00004884 | 78.95 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-16 | 0.0002 | 0.00019 | 0.002 | No | 19 | 0.0001884 | 0.00003404 | 84.21 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-17 | 0.0002 | 0.000074 | 0.002 | No | 19 | 0.0001934 | 0.00002891 | 94.74 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-19 | 0.0002 | 0.00012 | 0.002 | No | 19 | 0.0001893 | 0.00003299 | 89.47 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-20 | 0.00033 | 0.0002 | 0.002 | No | 6 | 0.0002217 | 0.00005307 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Mercury (mg/L) | WGWC-21 | 0.0002 | 0.0002 | 0.002 | No | 6 | 0.0002 | 2.1e-12 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Mercury (mg/L) | WGWC-22 | 0.0002 | 0.00018 | 0.002 | No | 6 | 0.0001967 | 0.000008165 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Mercury (mg/L) | WGWC-23 | 0.00022 | 0.0002 | 0.002 | No | 6 | 0.0002033 | 0.000008165 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Mercury (mg/L) | WGWC-24 | 0.00026 | 0.0002 | 0.002 | No | 6 | 0.00021 | 0.00002449 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Mercury (mg/L) | WGWC-25 | 0.0019 | 0.0002 | 0.002 | No | 6 | 0.0004833 | 0.000694 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Mercury (mg/L) | WGWC-8 | 0.0002 | 0.00013 | 0.002 | No | 19 | 0.0001852 | 0.00003628 | 84.21 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-9 | 0.0002 | 0.00013 | 0.002 | No | 19 | 0.0001963 | 0.00001606 | 94.74 | None | No | 0.01 | NP (NDs) |
| Molybdenum (mg/L) | WGWC-10 | 0.015 | 0.00093 | 0.1 | No | 23 | 0.01378 | 0.004057 | 91.3 | None | No | 0.01 | NP (NDs) |
| Molybdenum (mg/L) | WGWC-11 | 0.015 | 0.0017 | 0.1 | No | 23 | 0.01382 | 0.003919 | 91.3 | None | No | 0.01 | NP (NDs) |

Confidence Intervals - All Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/25/2023, 10:11 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-------------------|----------|------------|------------|------------|------|----|-----------|-----------|-------|---------|-----------|--------|----------------|
| Molybdenum (mg/L) | WGWC-12 | 0.015 | 0.0046 | 0.1 | No | 23 | 0.01145 | 0.00615 | 73.91 | None | No | 0.01 | NP (NDs) |
| Molybdenum (mg/L) | WGWC-13 | 0.003006 | 0.001529 | 0.1 | No | 23 | 0.00268 | 0.0021 | 13.04 | None | ln(x) | 0.01 | Param. |
| Molybdenum (mg/L) | WGWC-14A | 0.015 | 0.001 | 0.1 | No | 23 | 0.01439 | 0.002919 | 95.65 | None | No | 0.01 | NP (NDs) |
| Molybdenum (mg/L) | WGWC-15 | 0.005821 | 0.003115 | 0.1 | No | 23 | 0.004852 | 0.003318 | 0 | None | x^(1/3) | 0.01 | Param. |
| Molybdenum (mg/L) | WGWC-17 | 0.004512 | 0.00241 | 0.1 | No | 23 | 0.003922 | 0.002443 | 0 | None | ln(x) | 0.01 | Param. |
| Molybdenum (mg/L) | WGWC-19 | 0.015 | 0.0012 | 0.1 | No | 23 | 0.005452 | 0.006459 | 30.43 | None | No | 0.01 | NP (normality) |
| Molybdenum (mg/L) | WGWC-20 | 0.015 | 0.00062 | 0.1 | No | 6 | 0.01023 | 0.007382 | 66.67 | None | No | 0.0155 | NP (NDs) |
| Molybdenum (mg/L) | WGWC-21 | 0.04387 | 0.03113 | 0.1 | No | 6 | 0.0375 | 0.004637 | 0 | None | No | 0.01 | Param. |
| Molybdenum (mg/L) | WGWC-22 | 0.015 | 0.00084 | 0.1 | No | 6 | 0.01264 | 0.005781 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Molybdenum (mg/L) | WGWC-9 | 0.005541 | 0.003362 | 0.1 | No | 23 | 0.004923 | 0.003299 | 0 | None | ln(x) | 0.01 | Param. |
| Selenium (mg/L) | WGWC-10 | 0.005 | 0.00031 | 0.05 | No | 23 | 0.004796 | 0.0009779 | 95.65 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | WGWC-11 | 0.005 | 0.00049 | 0.05 | No | 23 | 0.004804 | 0.0009404 | 95.65 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | WGWC-12 | 0.005 | 0.0021 | 0.05 | No | 23 | 0.004874 | 0.0006047 | 95.65 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | WGWC-14A | 0.005 | 0.0003 | 0.05 | No | 23 | 0.004796 | 0.00098 | 95.65 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | WGWC-15 | 0.005 | 0.0005 | 0.05 | No | 23 | 0.004804 | 0.0009383 | 95.65 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | WGWC-16 | 0.009844 | 0.004838 | 0.05 | No | 23 | 0.007341 | 0.004786 | 4.348 | None | No | 0.01 | Param. |
| Selenium (mg/L) | WGWC-19 | 0.005 | 0.00036 | 0.05 | No | 23 | 0.004798 | 0.0009675 | 95.65 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | WGWC-20 | 0.005 | 0.0014 | 0.05 | No | 6 | 0.0023 | 0.001409 | 16.67 | None | No | 0.0155 | NP (normality) |
| Selenium (mg/L) | WGWC-22 | 0.007995 | 0.003505 | 0.05 | No | 6 | 0.00575 | 0.001634 | 0 | None | No | 0.01 | Param. |
| Selenium (mg/L) | WGWC-23 | 0.002646 | 0.001388 | 0.05 | No | 6 | 0.002017 | 0.0004579 | 0 | None | No | 0.01 | Param. |
| Selenium (mg/L) | WGWC-24 | 0.005 | 0.00077 | 0.05 | No | 6 | 0.004295 | 0.001727 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Selenium (mg/L) | WGWC-8 | 0.0038 | 0.0032 | 0.05 | No | 23 | 0.00369 | 0.001026 | 0 | None | No | 0.01 | NP (normality) |
| Selenium (mg/L) | WGWC-9 | 0.002835 | 0.00225 | 0.05 | No | 23 | 0.002543 | 0.0005595 | 0 | None | No | 0.01 | Param. |
| Thallium (mg/L) | WGWC-10 | 0.001 | 0.000085 | 0.002 | No | 23 | 0.0009602 | 0.0001908 | 95.65 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | WGWC-11 | 0.001 | 0.00016 | 0.002 | No | 23 | 0.0009635 | 0.0001752 | 95.65 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | WGWC-14A | 0.001 | 0.00016 | 0.002 | No | 23 | 0.0005987 | 0.0004294 | 52.17 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | WGWC-16 | 0.001 | 0.00017 | 0.002 | No | 23 | 0.0005678 | 0.0004244 | 47.83 | None | No | 0.01 | NP (normality) |
| Thallium (mg/L) | WGWC-19 | 0.001 | 0.00018 | 0.002 | No | 23 | 0.0009643 | 0.000171 | 95.65 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | WGWC-22 | 0.001 | 0.00047 | 0.002 | No | 6 | 0.0009117 | 0.0002164 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Thallium (mg/L) | WGWC-24 | 0.0007372 | 0.0003328 | 0.002 | No | 6 | 0.000535 | 0.0001472 | 0 | None | No | 0.01 | Param. |

Appendix IV Trend Test - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/20/2023, 12:59 PM

| <u>Constituent</u> | <u>Well</u> | <u>Slope</u> | <u>Calc.</u> | <u>Critical</u> | <u>Sig.</u> | <u>N</u> | <u>%NDs</u> | <u>Normality</u> | <u>Xform</u> | <u>Alpha</u> | <u>Method</u> |
|--------------------|--------------|--------------|--------------|-----------------|-------------|----------|-------------|------------------|--------------|--------------|---------------|
| Cobalt (mg/L) | WGWA-1 (bg) | -0.00008357 | -162 | -98 | Yes | 23 | 4.348 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-18 (bg) | -0.0003188 | -105 | -98 | Yes | 23 | 8.696 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-2 (bg) | -0.0001095 | -178 | -98 | Yes | 23 | 8.696 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-5 (bg) | -0.0003904 | -96 | -92 | Yes | 22 | 4.545 | n/a | n/a | 0.01 | NP |

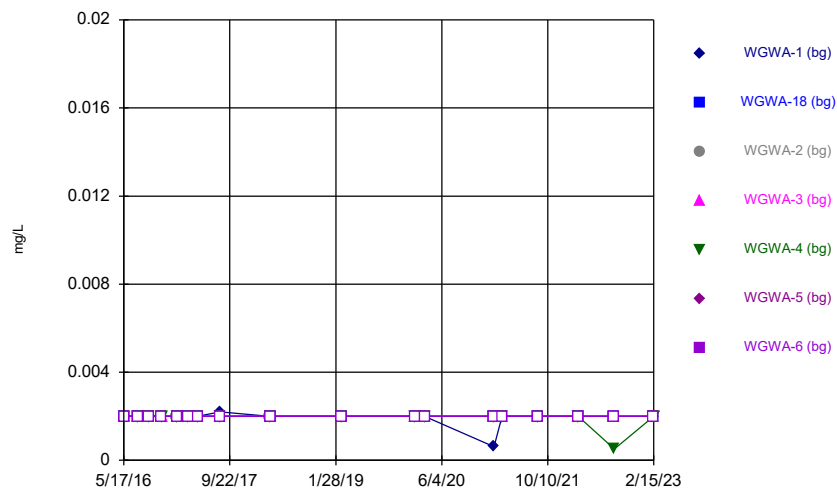
Appendix IV Trend Test - All Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/20/2023, 12:59 PM

| <u>Constituent</u> | <u>Well</u> | <u>Slope</u> | <u>Calc.</u> | <u>Critical</u> | <u>Sig.</u> | <u>N</u> | <u>%NDs</u> | <u>Normality</u> | <u>Xform</u> | <u>Alpha</u> | <u>Method</u> |
|----------------------|---------------------|-------------------|--------------|-----------------|-------------|-----------|--------------|------------------|--------------|--------------|---------------|
| Beryllium (mg/L) | WGWA-1 (bg) | 0 | -27 | -98 | No | 23 | 86.96 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWA-18 (bg) | 0 | 0 | 98 | No | 23 | 100 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWA-2 (bg) | 0 | -25 | -98 | No | 23 | 86.96 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWA-3 (bg) | 0 | -23 | -98 | No | 23 | 91.3 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWA-4 (bg) | 0 | 0 | 98 | No | 23 | 100 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWA-5 (bg) | 0 | -3 | -92 | No | 22 | 95.45 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWA-6 (bg) | 0 | -4 | -98 | No | 23 | 95.65 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWA-7 (bg) | 0 | -6 | -98 | No | 23 | 95.65 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWC-20 | 0 | 0 | 14 | No | 6 | 0 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWC-24 | -0.009 | -10 | -14 | No | 6 | 0 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-1 (bg) | -0.0008357 | -162 | -98 | Yes | 23 | 4.348 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-18 (bg) | -0.0003188 | -105 | -98 | Yes | 23 | 8.696 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-2 (bg) | -0.0001095 | -178 | -98 | Yes | 23 | 8.696 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-3 (bg) | 0 | 0 | 98 | No | 23 | 100 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-4 (bg) | 0 | 0 | 98 | No | 23 | 95.65 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-5 (bg) | -0.0003904 | -96 | -92 | Yes | 22 | 4.545 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-6 (bg) | 0 | -4 | -98 | No | 23 | 82.61 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-7 (bg) | 0 | -23 | -98 | No | 23 | 65.22 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWC-24 | -0.08497 | -11 | -14 | No | 6 | 0 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWA-1 (bg) | -0.0001076 | -69 | -98 | No | 23 | 39.13 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWA-18 (bg) | 0 | 6 | 98 | No | 23 | 86.96 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWA-2 (bg) | -0.0008441 | -20 | -98 | No | 23 | 4.348 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWA-3 (bg) | 0 | 10 | 98 | No | 23 | 86.96 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWA-4 (bg) | 0.0002309 | 13 | 98 | No | 23 | 4.348 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWA-5 (bg) | 0 | 1 | 92 | No | 22 | 90.91 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWA-6 (bg) | 0.000231 | 73 | 98 | No | 23 | 8.696 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWA-7 (bg) | 0 | 6 | 98 | No | 23 | 95.65 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWC-19 | 0.001276 | 75 | 98 | No | 23 | 0 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWC-20 | 0.004002 | 7 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |

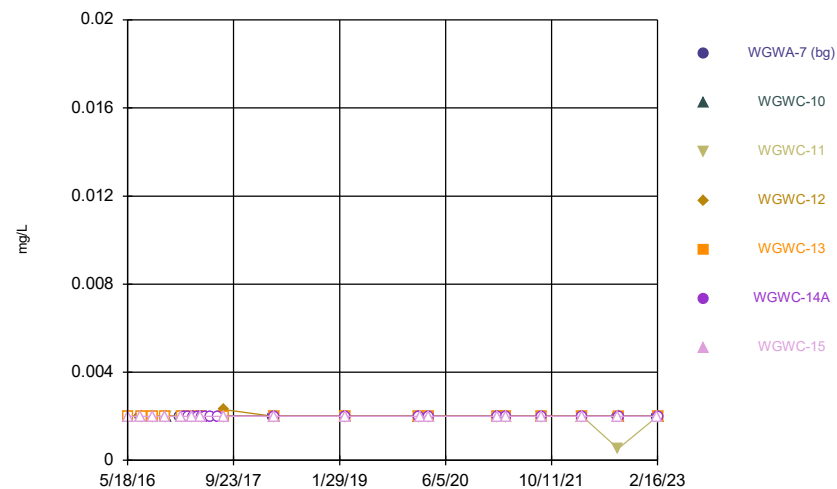
FIGURE A.

Time Series



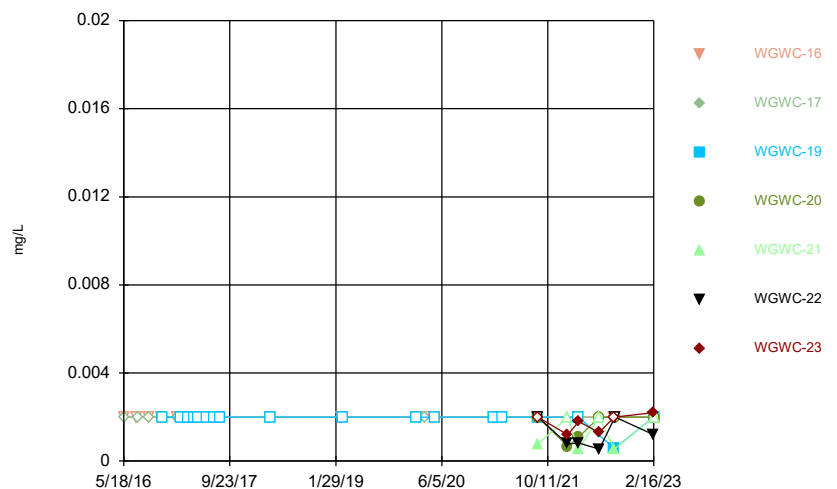
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



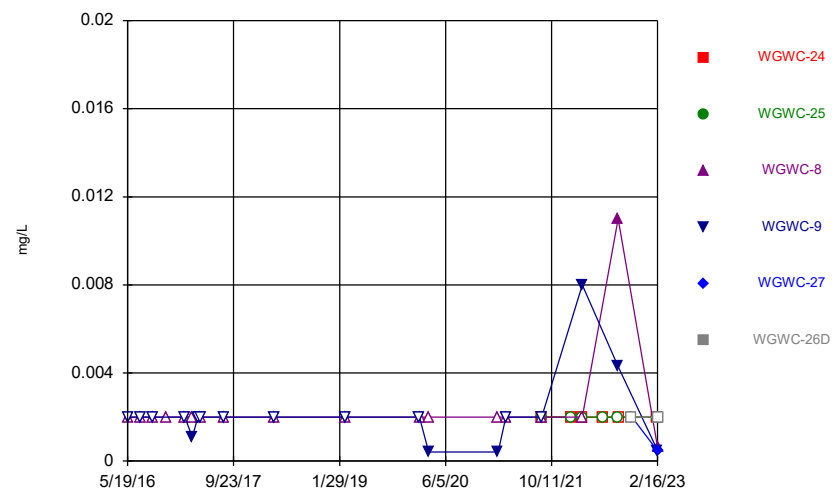
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Time Series



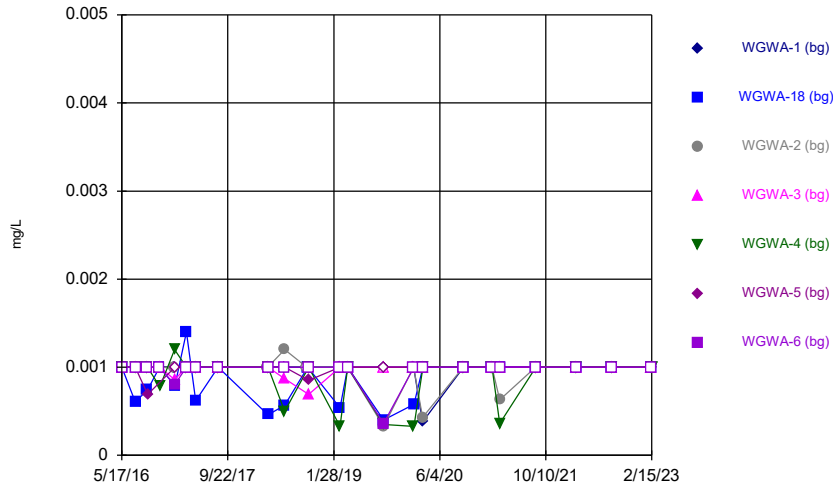
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



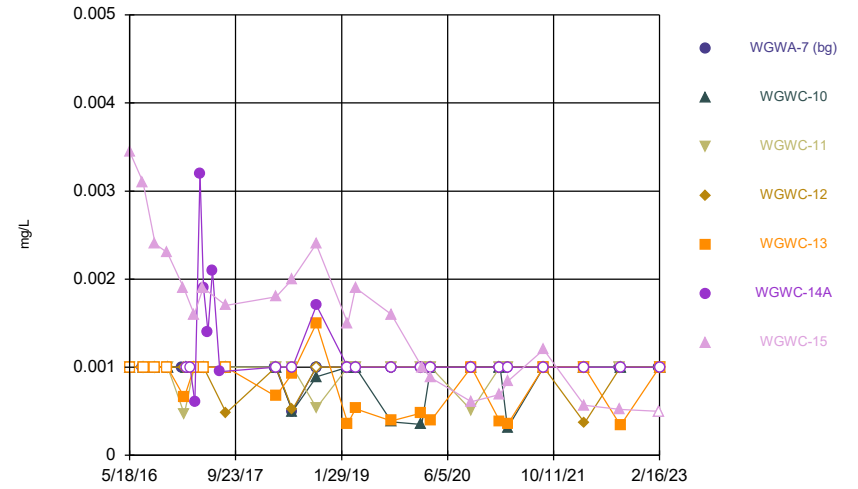
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Time Series



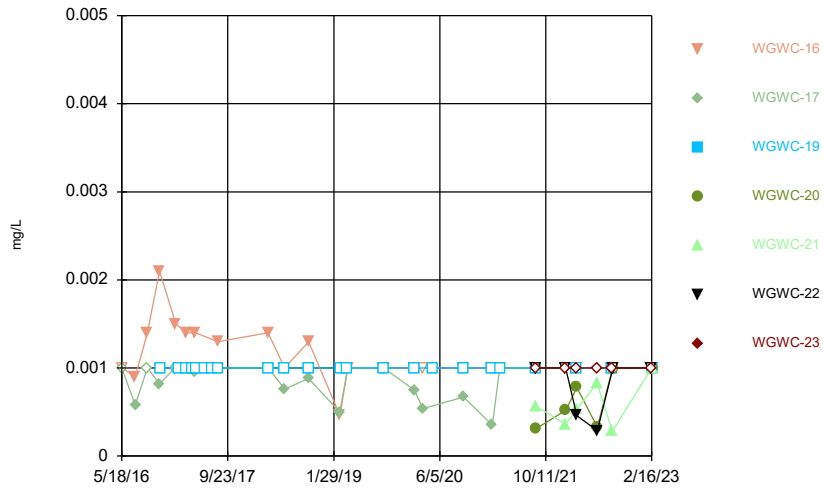
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



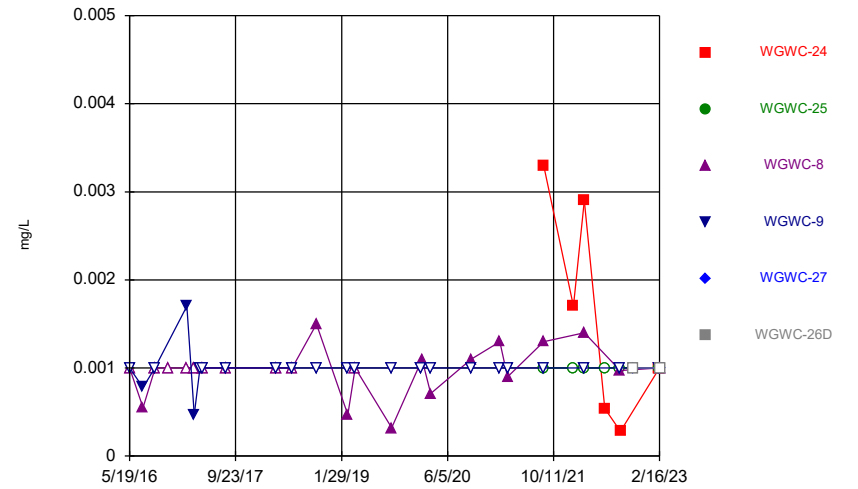
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



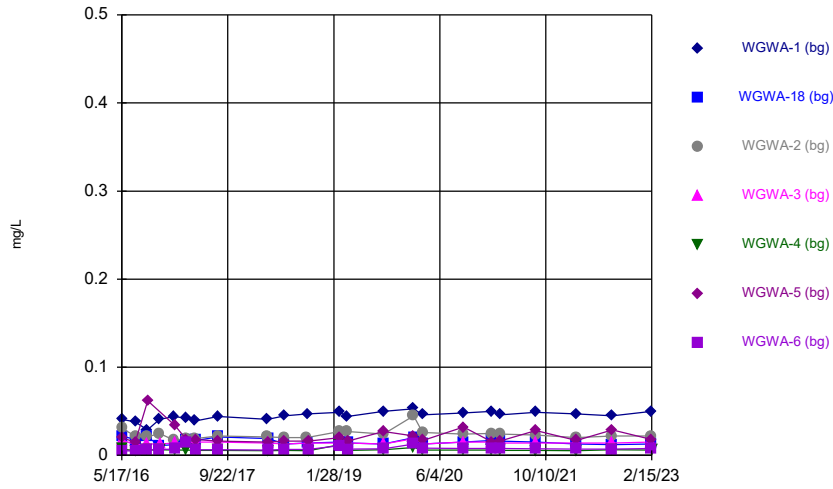
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



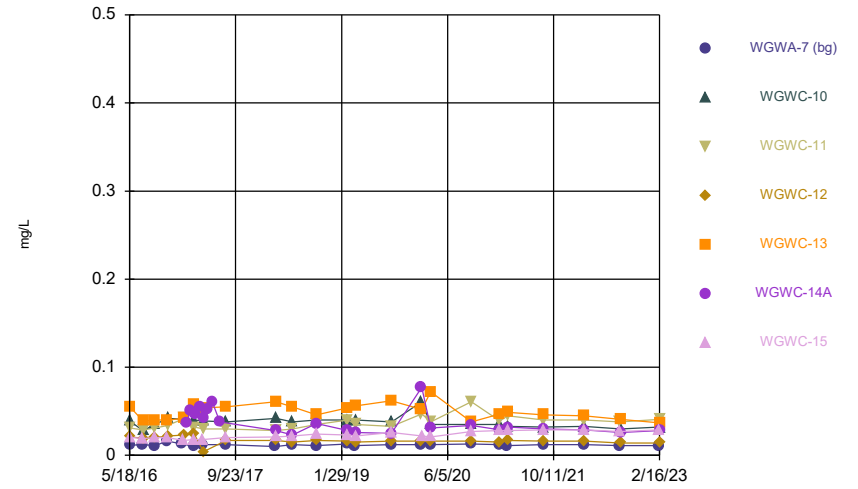
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



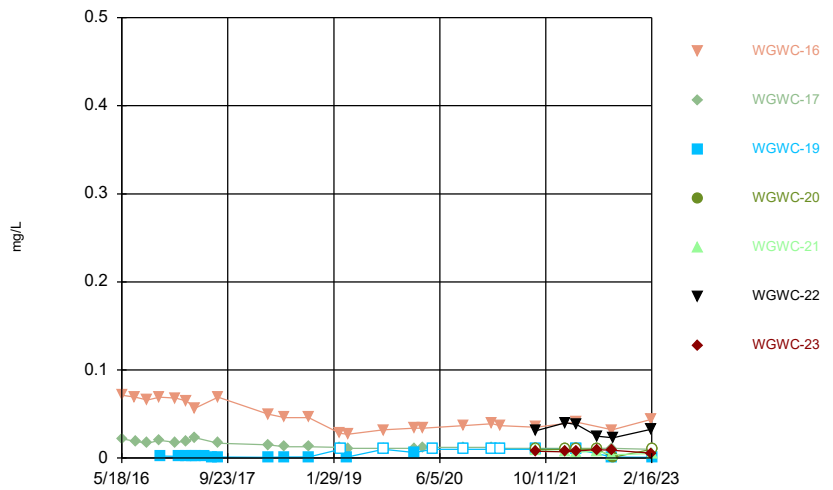
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Time Series



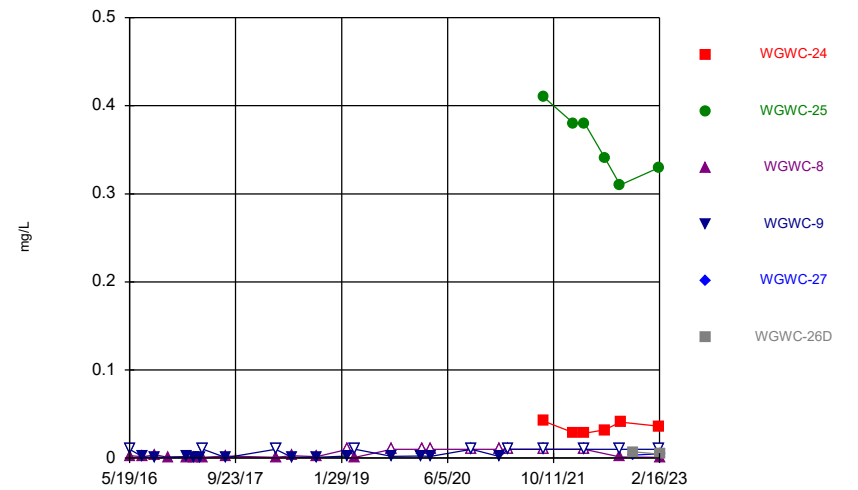
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Time Series



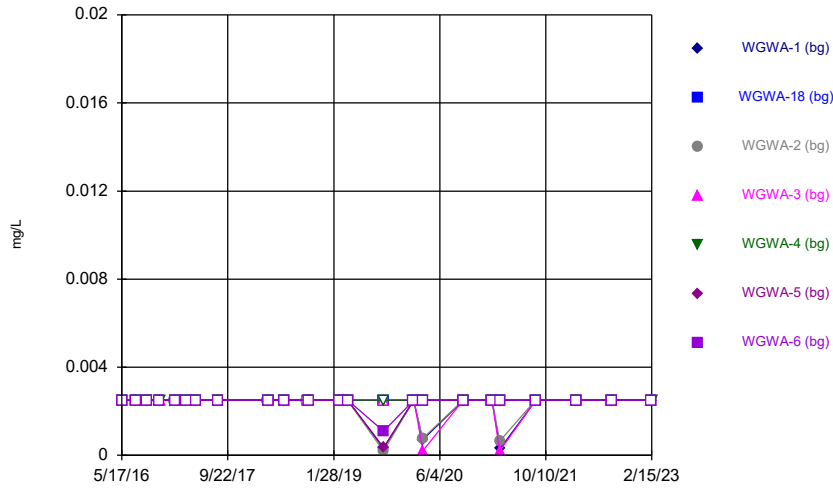
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Time Series



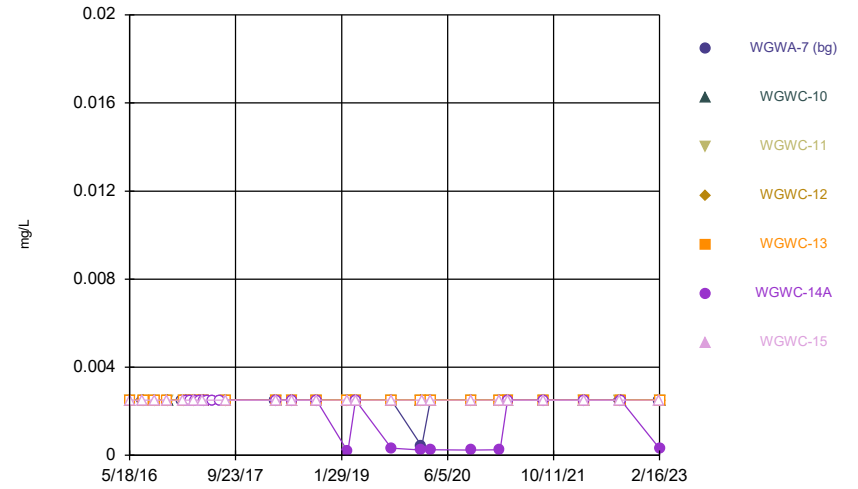
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Time Series



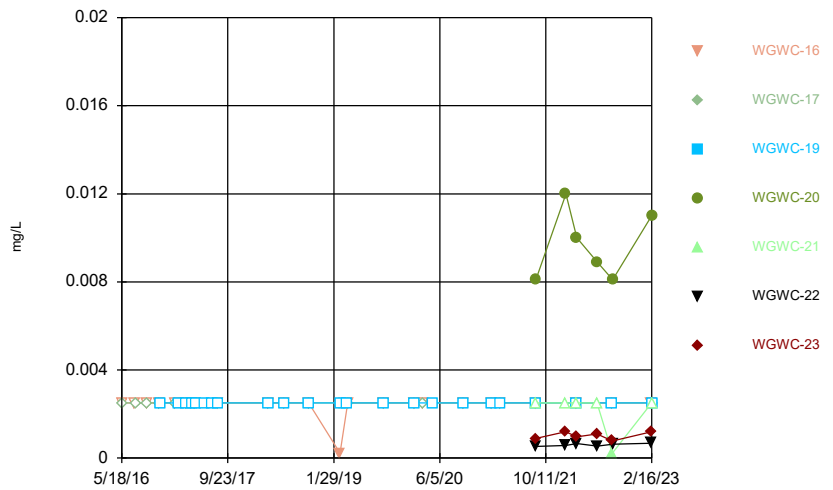
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Time Series



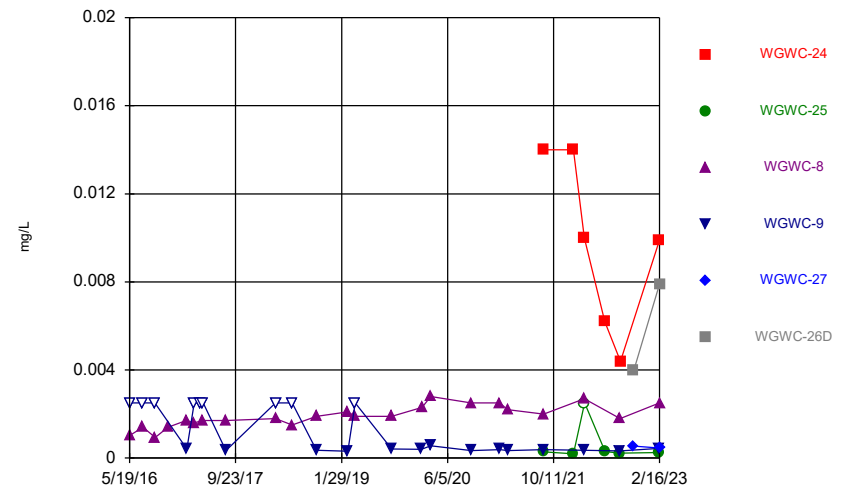
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Time Series



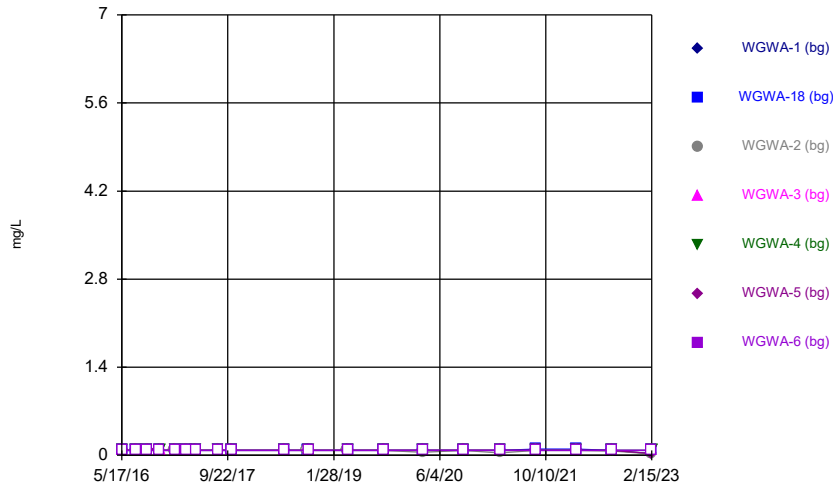
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Time Series



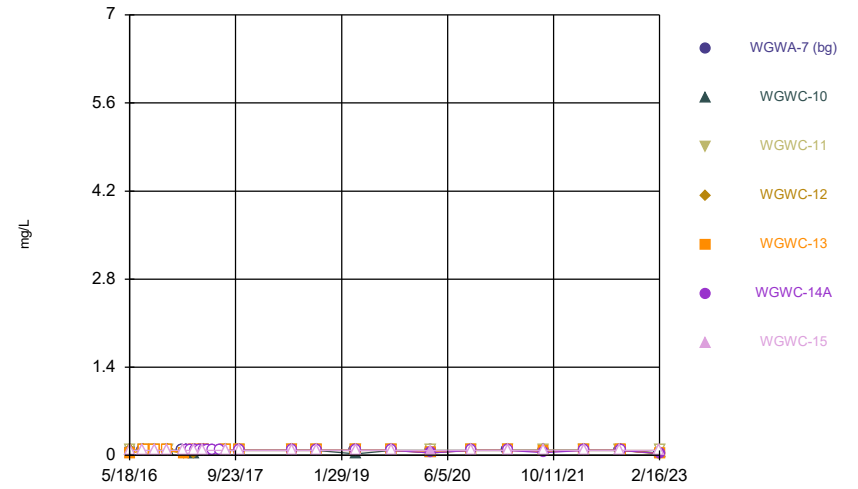
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Time Series



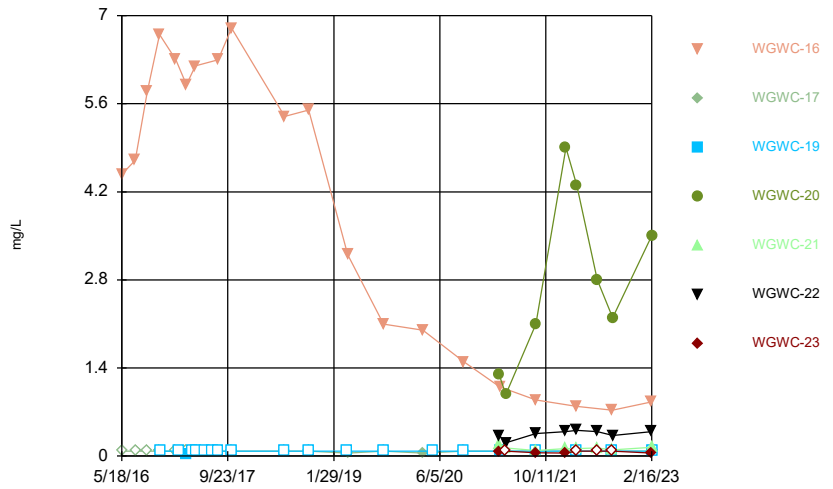
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



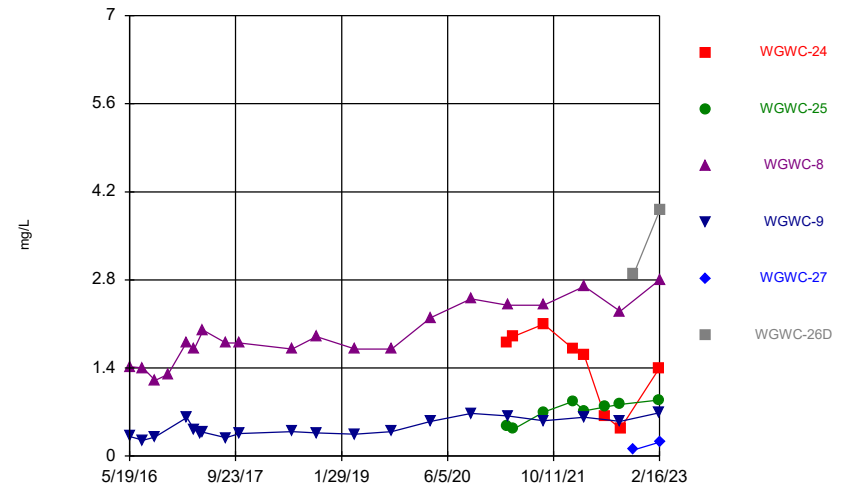
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



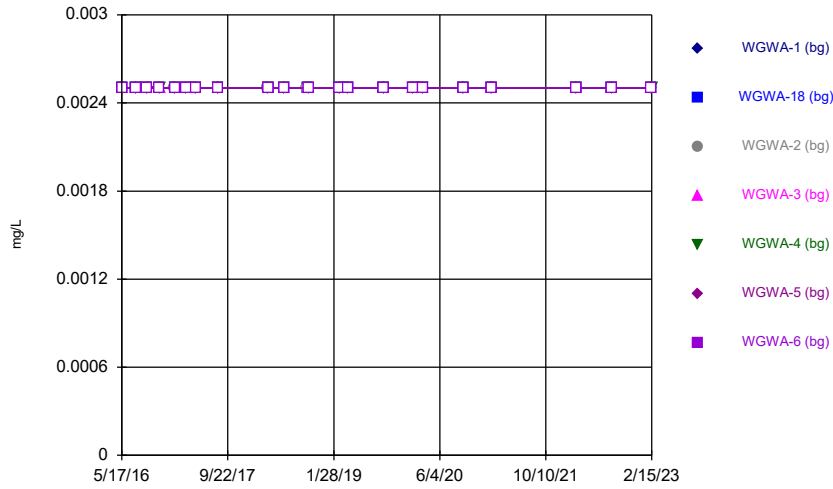
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Time Series



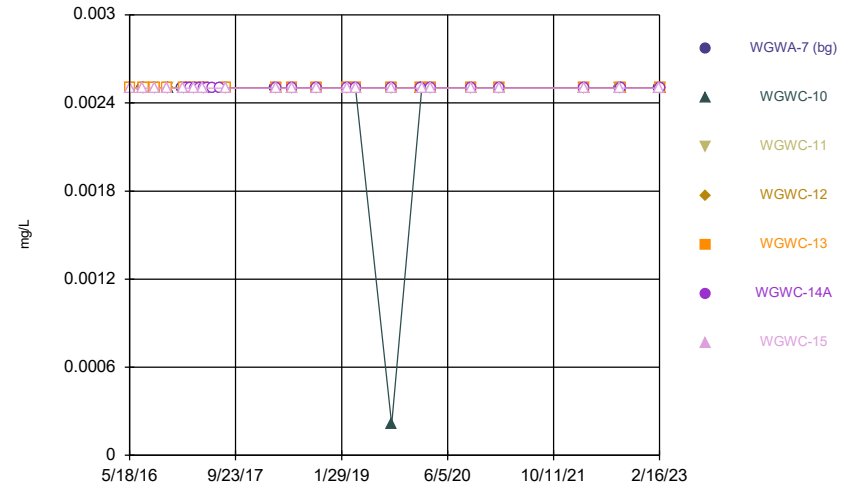
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



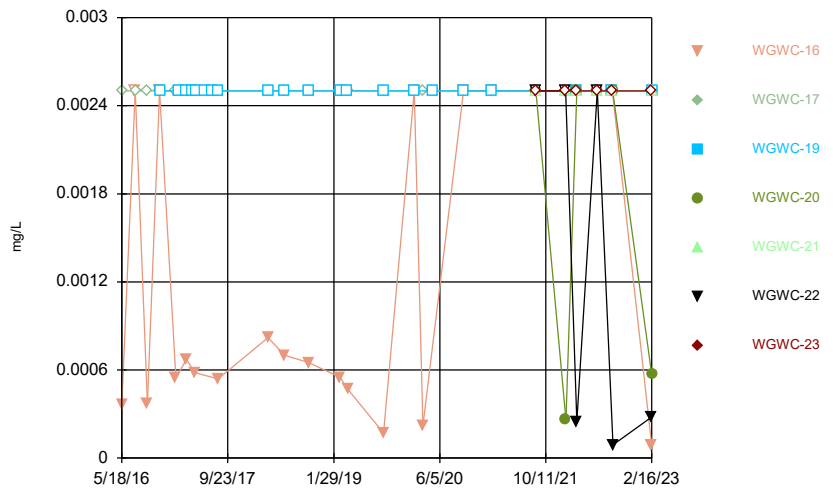
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Time Series



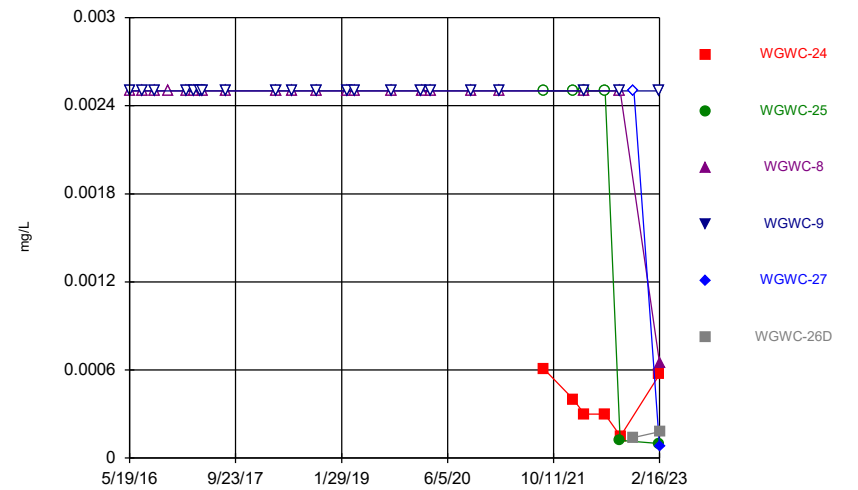
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



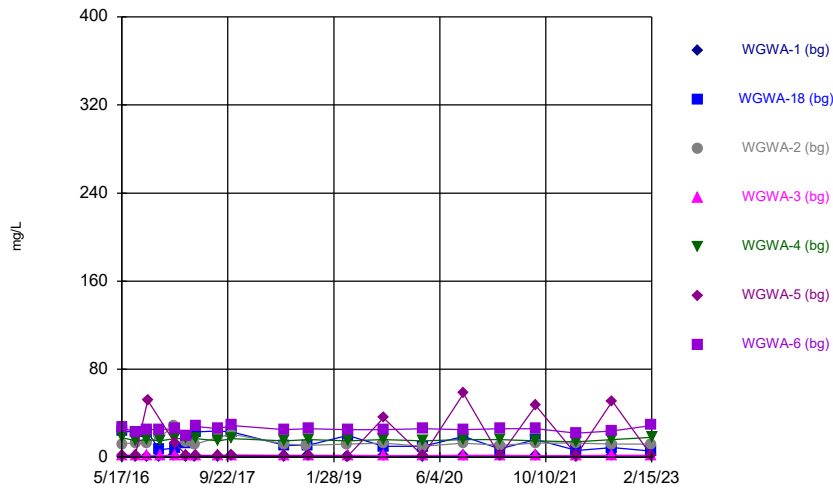
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



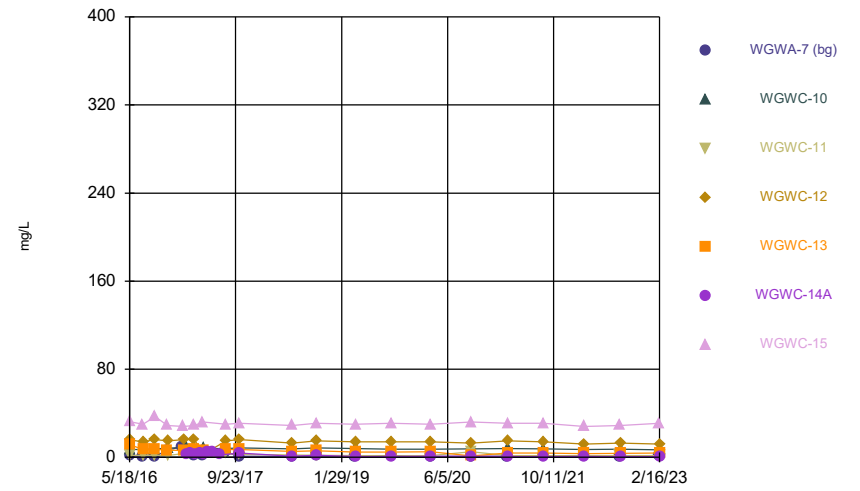
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Time Series



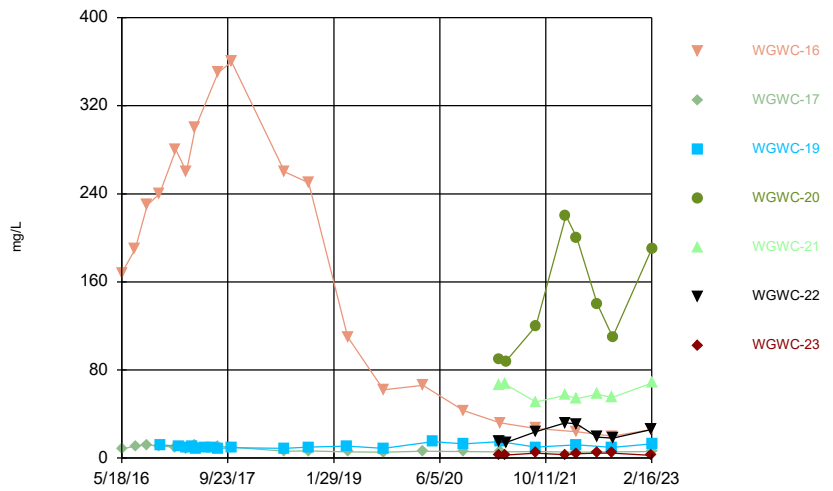
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Time Series



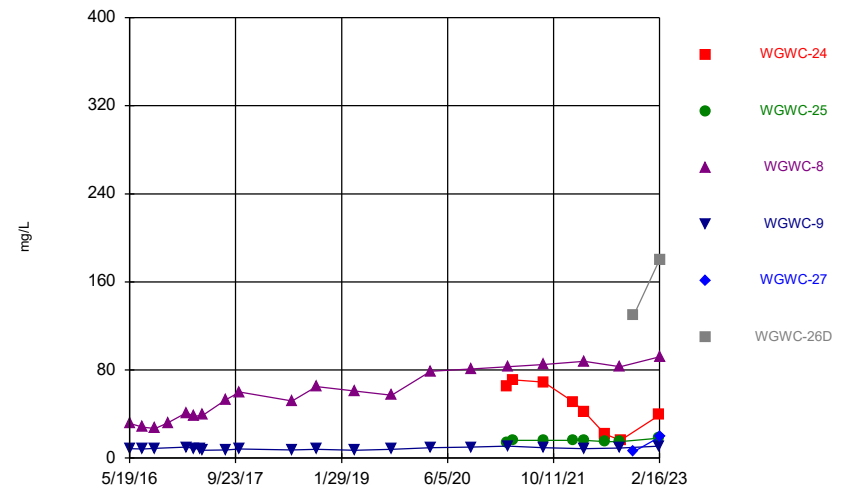
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



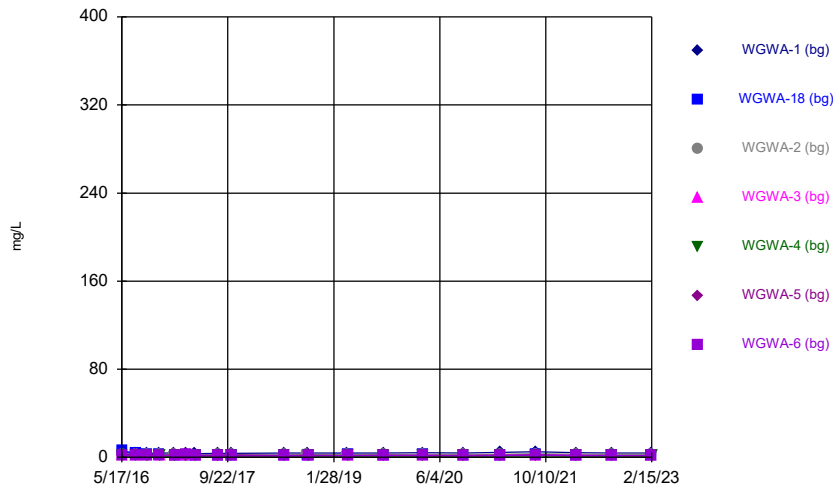
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



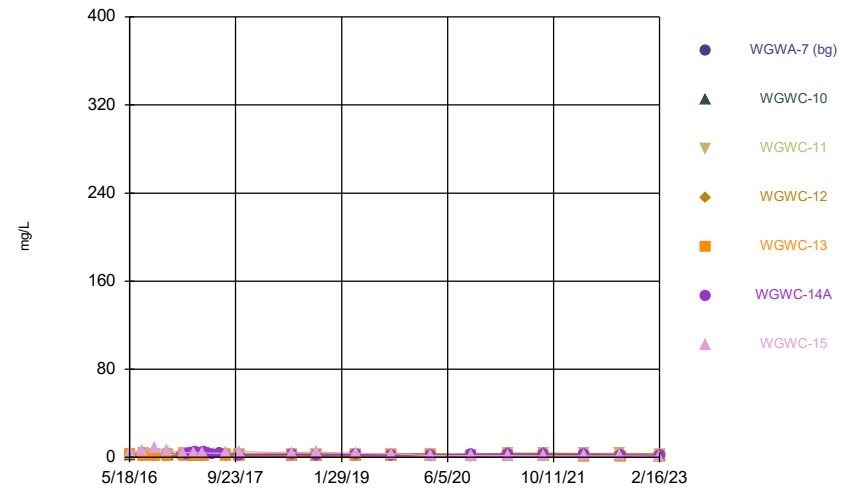
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



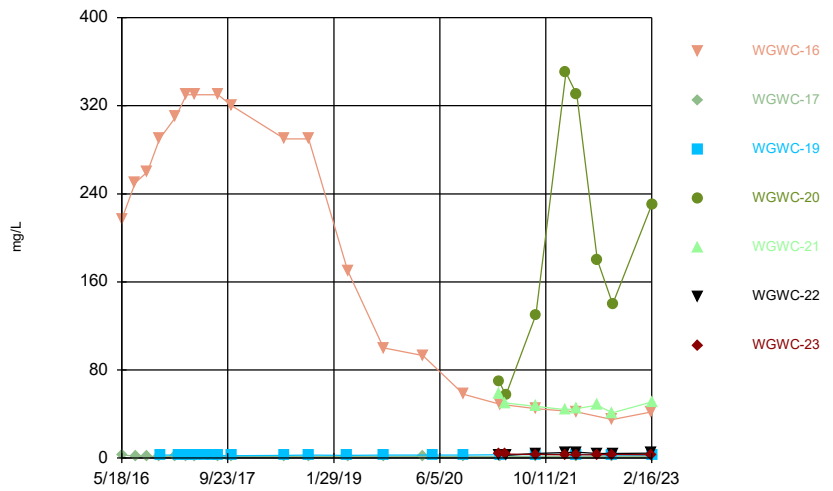
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



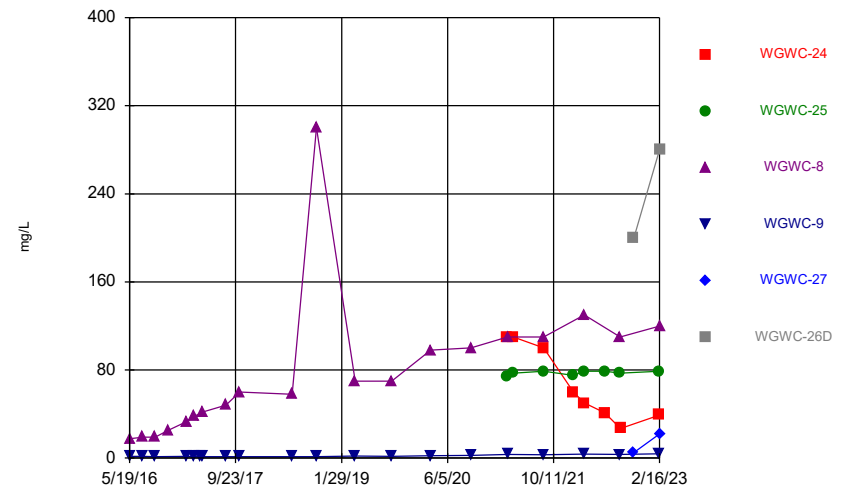
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



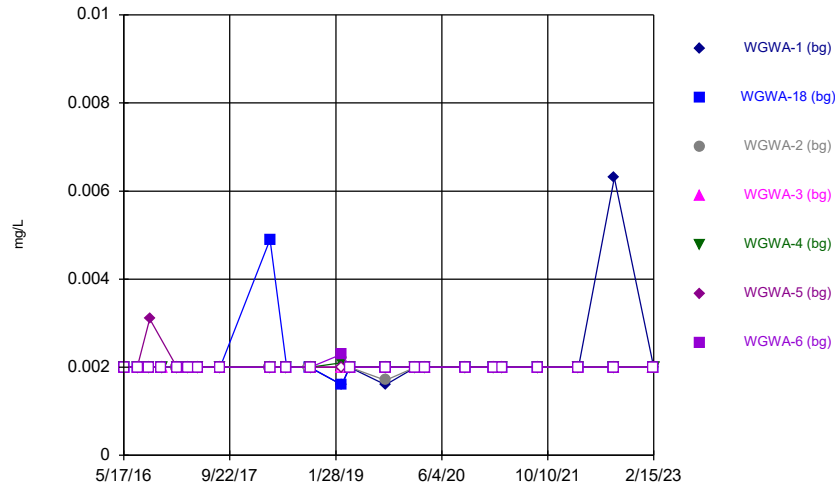
Constituent: Chloride, Total Analysis Run 4/24/2023 11:56 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



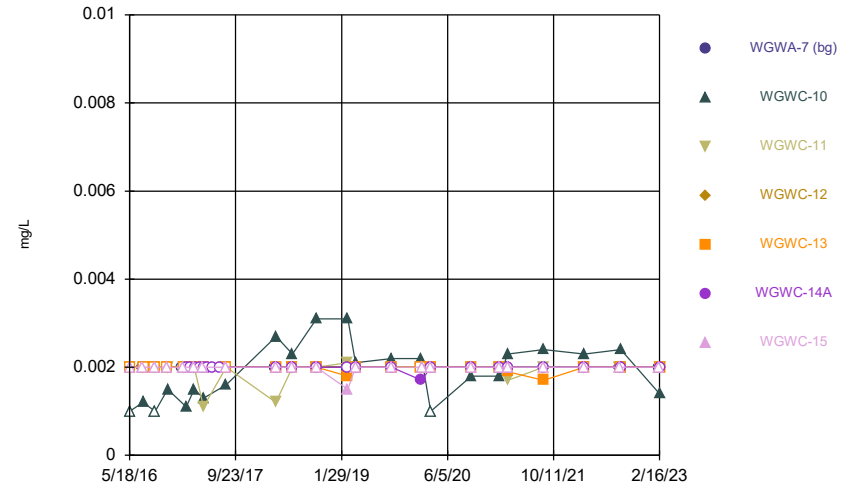
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



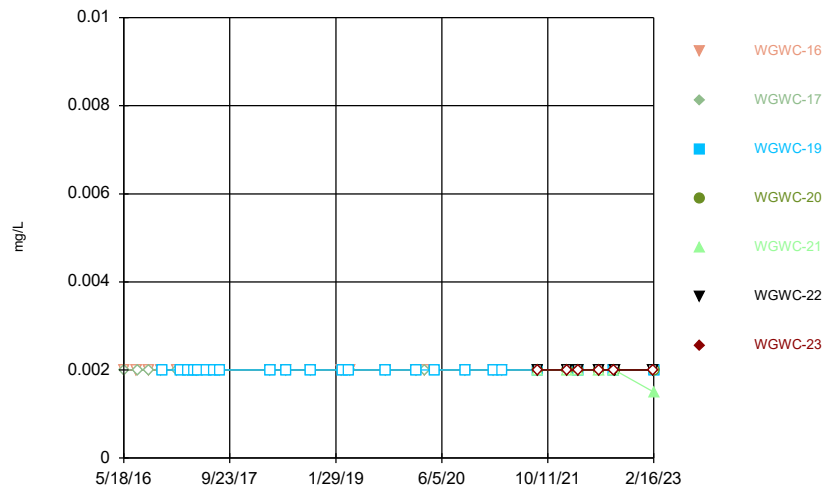
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



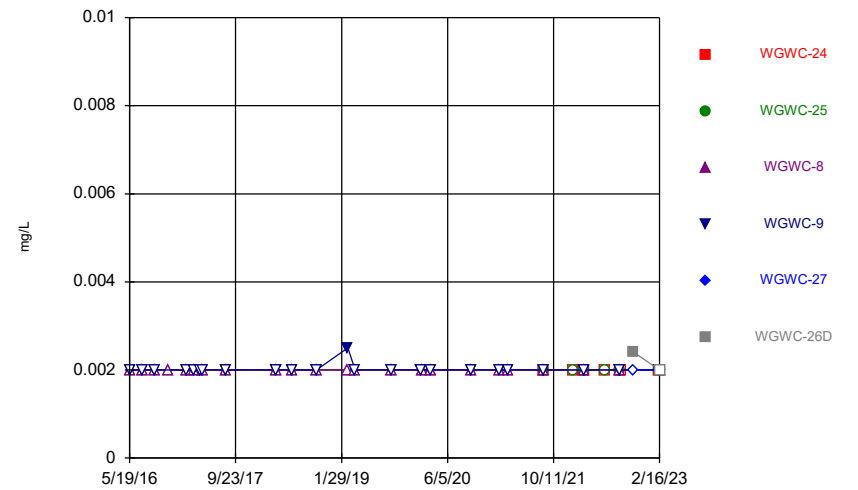
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



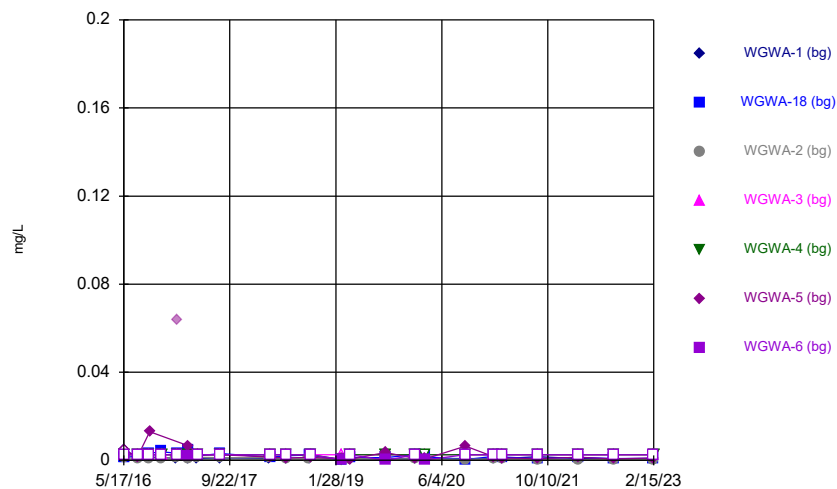
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



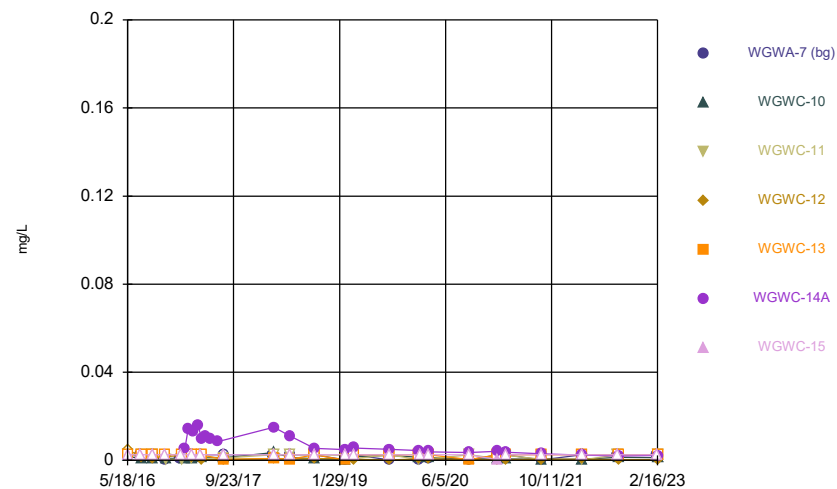
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



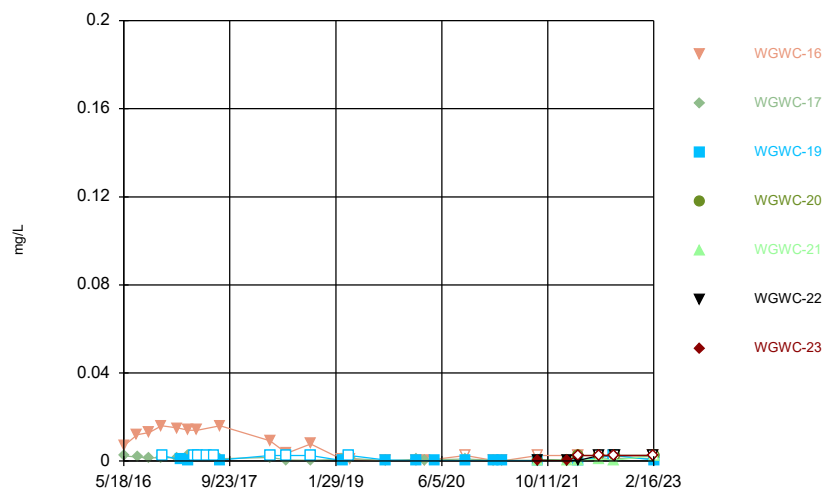
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



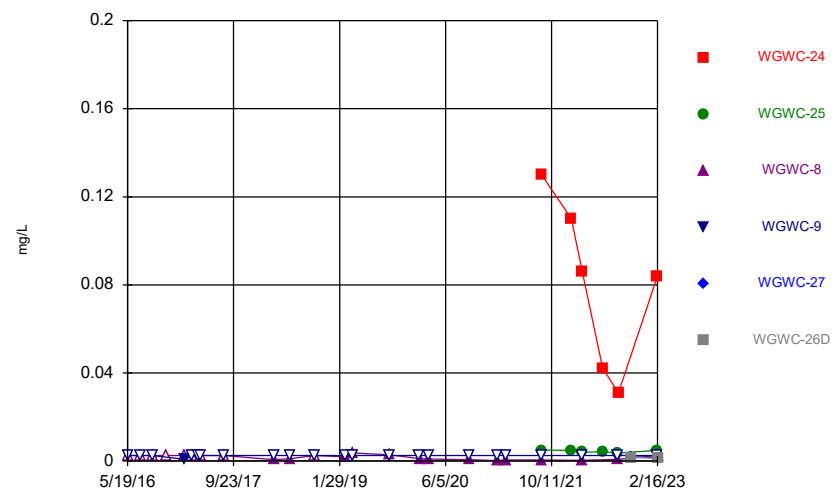
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



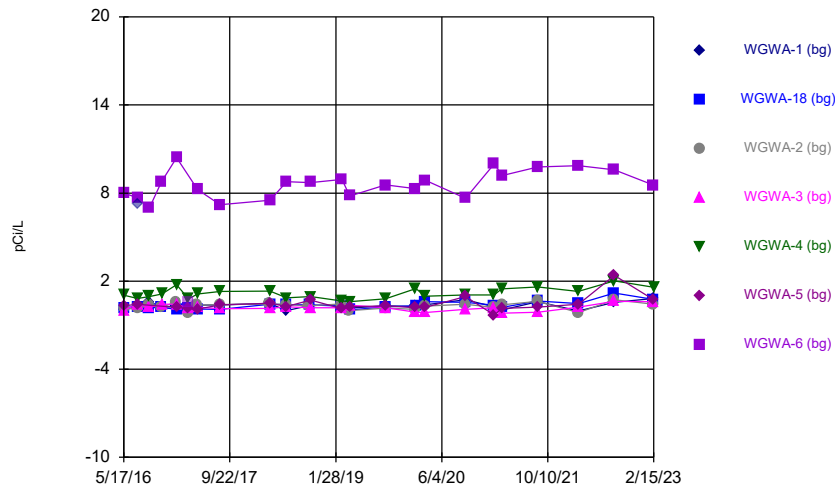
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



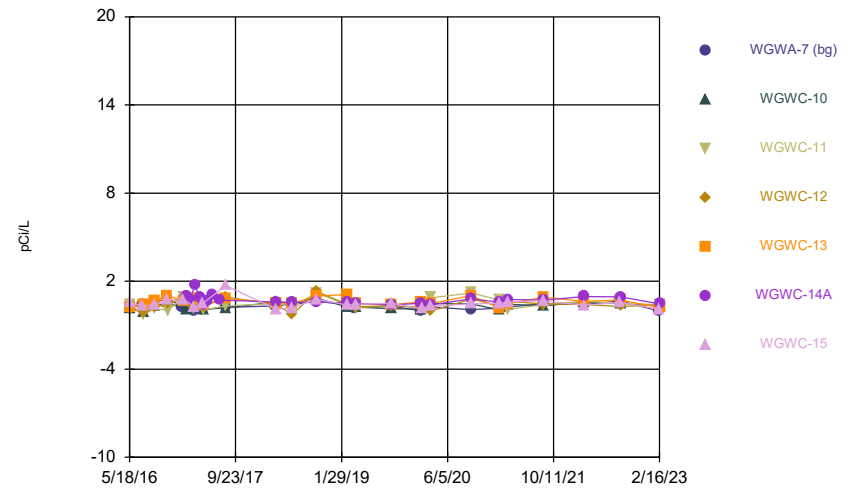
Constituent: Cobalt Analysis Run 4/24/2023 11:56 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



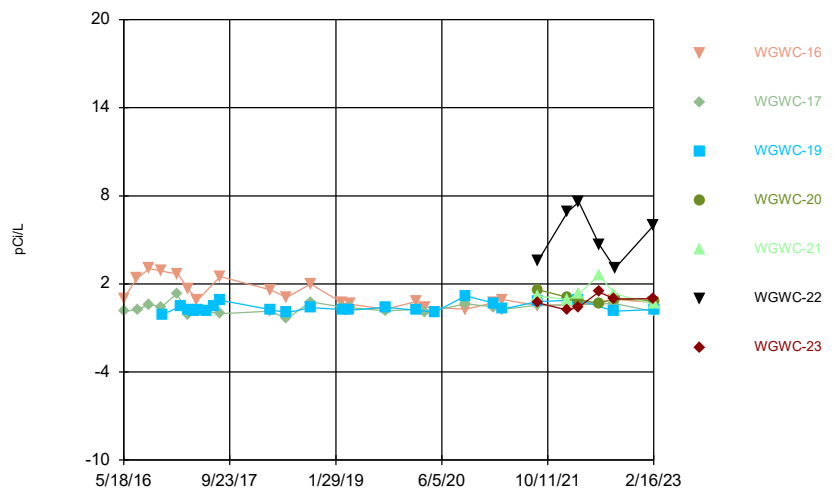
Constituent: Combined Radium 226 + 228 Analysis Run 4/24/2023 11:56 AM View: Time Series & Box Plo
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



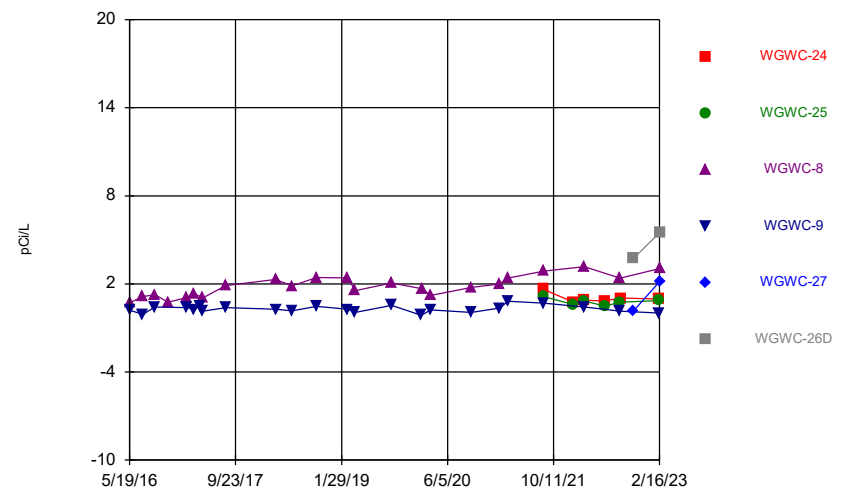
Constituent: Combined Radium 226 + 228 Analysis Run 4/24/2023 11:56 AM View: Time Series & Box Plo
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



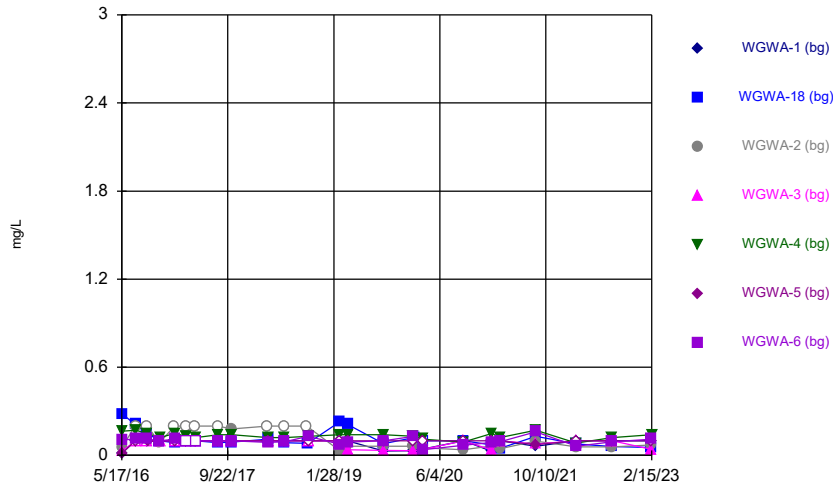
Constituent: Combined Radium 226 + 228 Analysis Run 4/24/2023 11:56 AM View: Time Series & Box Plo
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



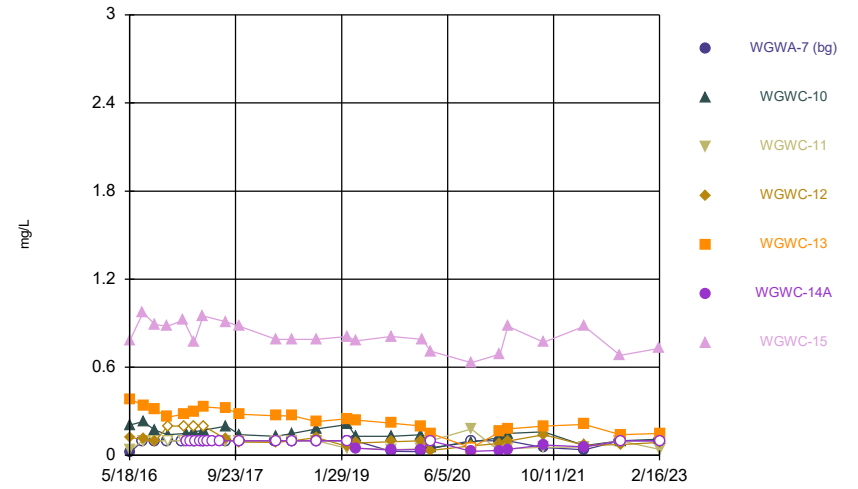
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



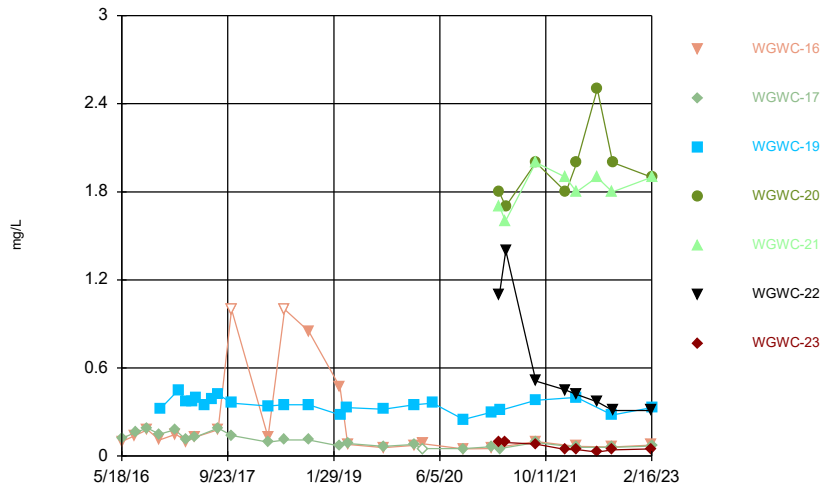
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



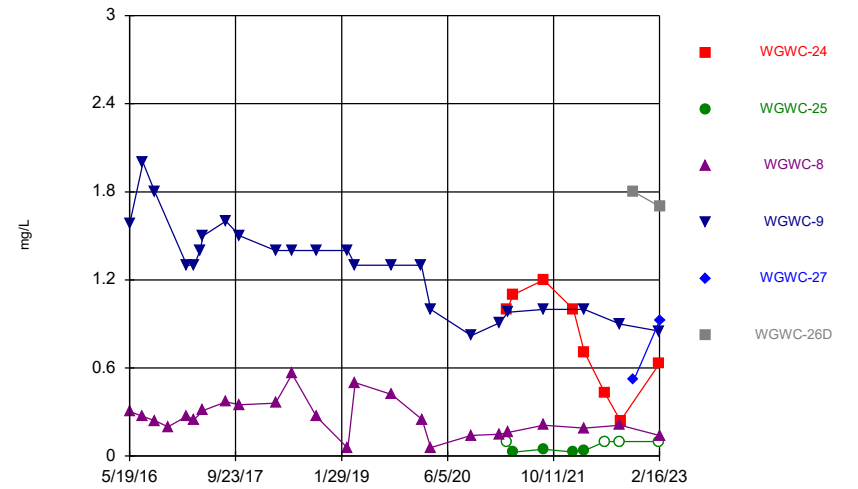
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



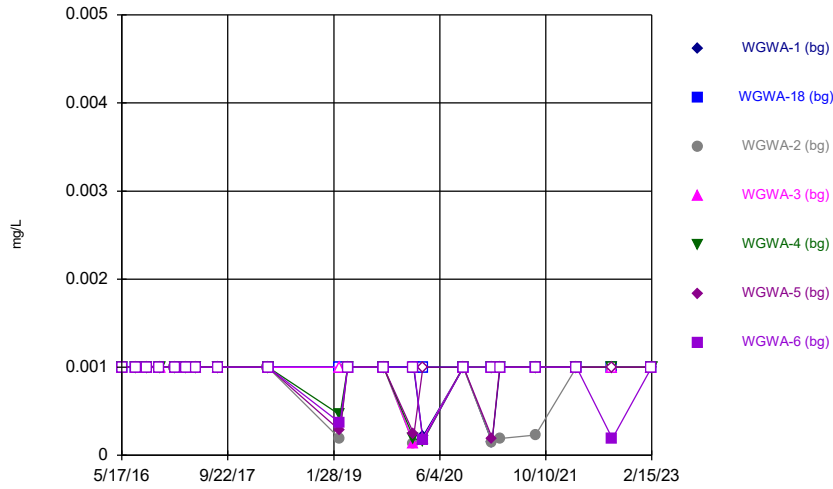
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



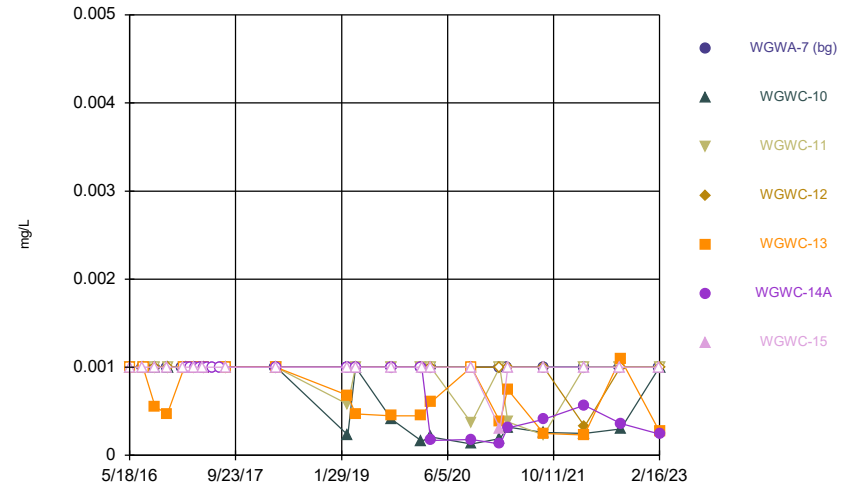
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



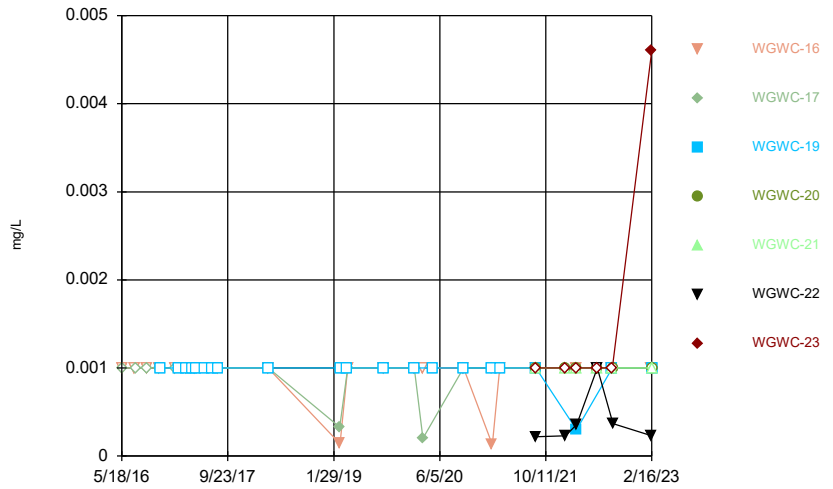
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



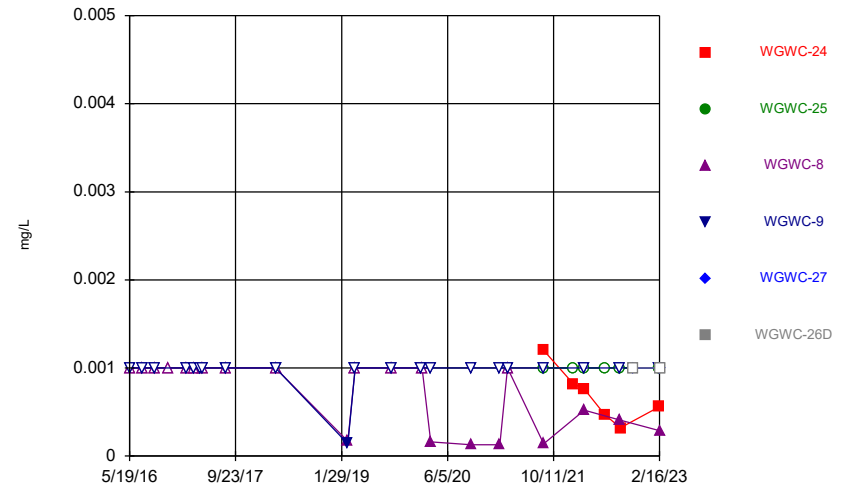
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



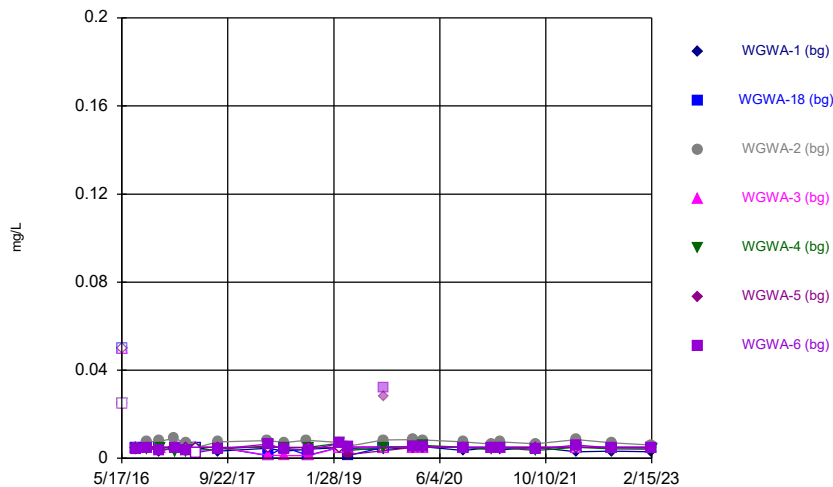
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



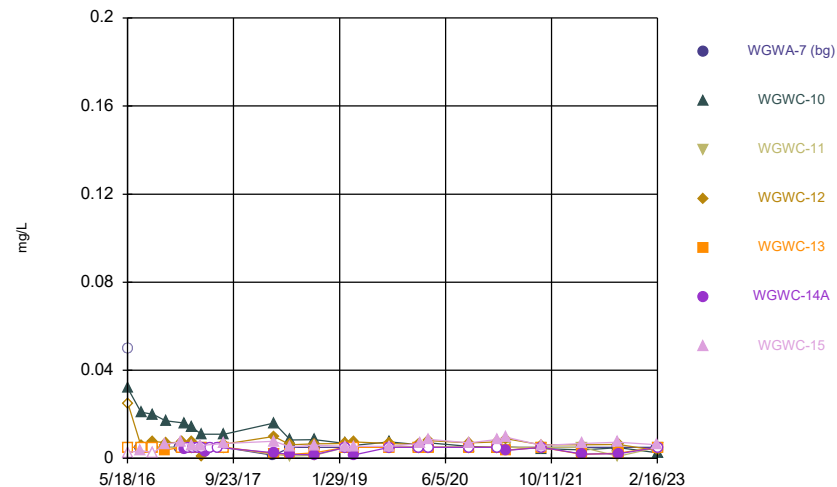
Constituent: Lead Analysis Run 4/24/2023 11:57 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



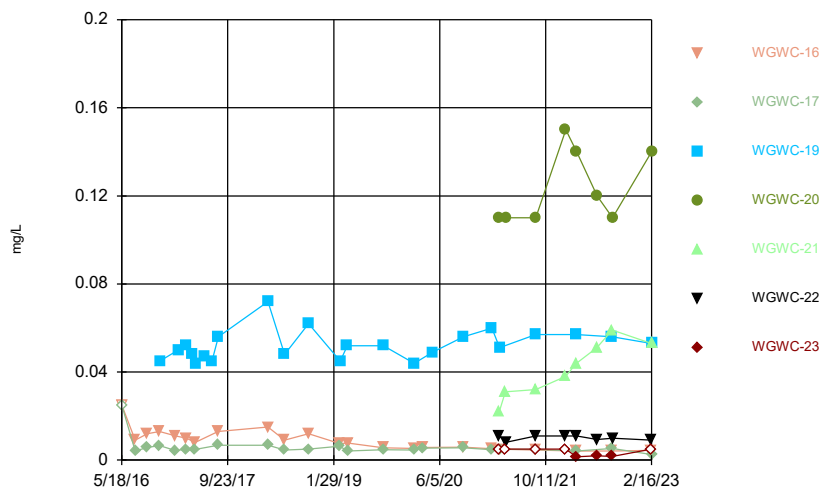
Constituent: Lithium Analysis Run 4/24/2023 11:57 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



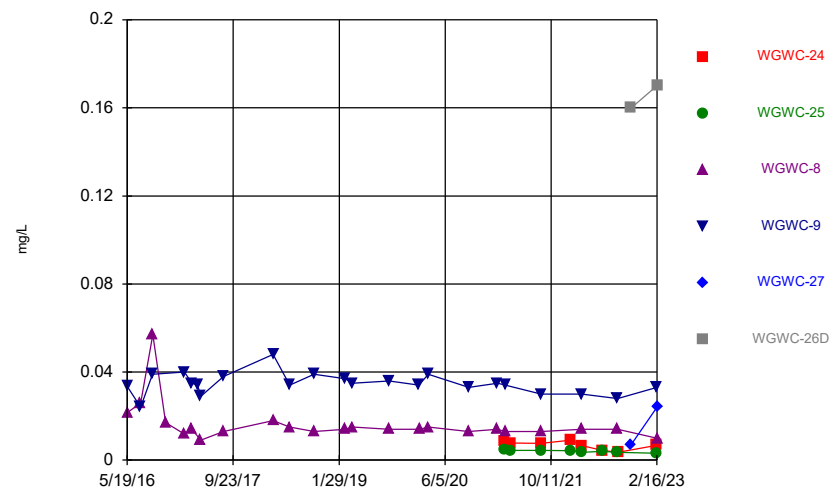
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



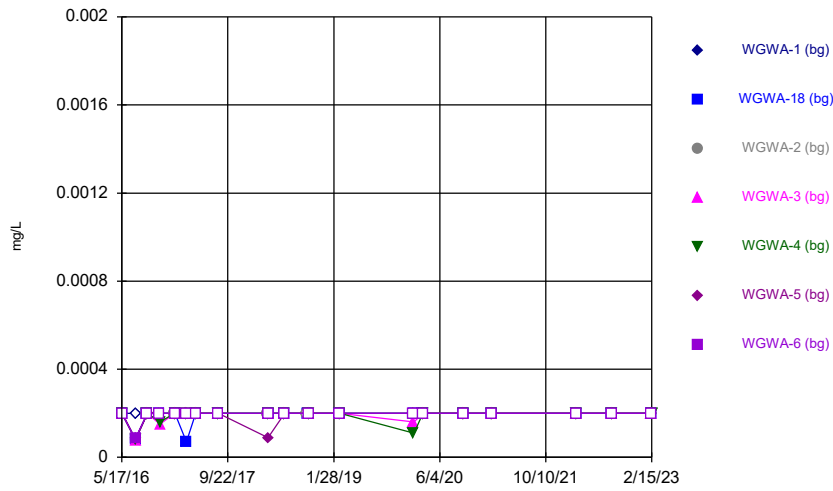
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



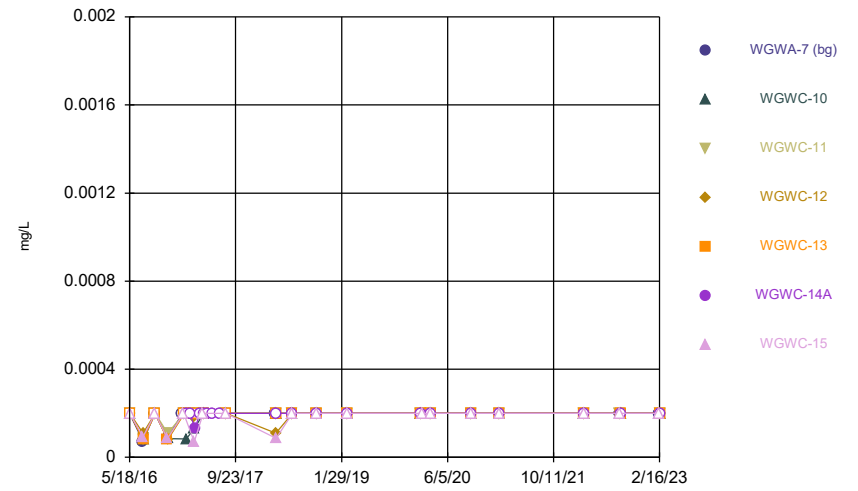
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



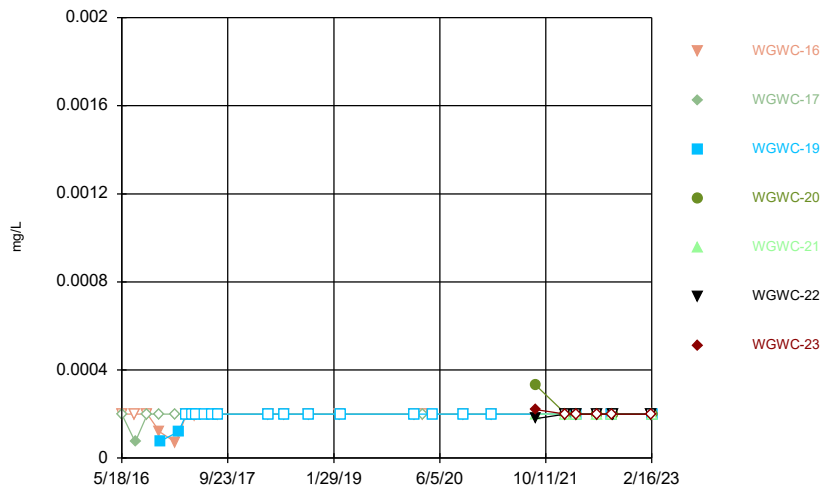
Constituent: Mercury Analysis Run 4/24/2023 11:57 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



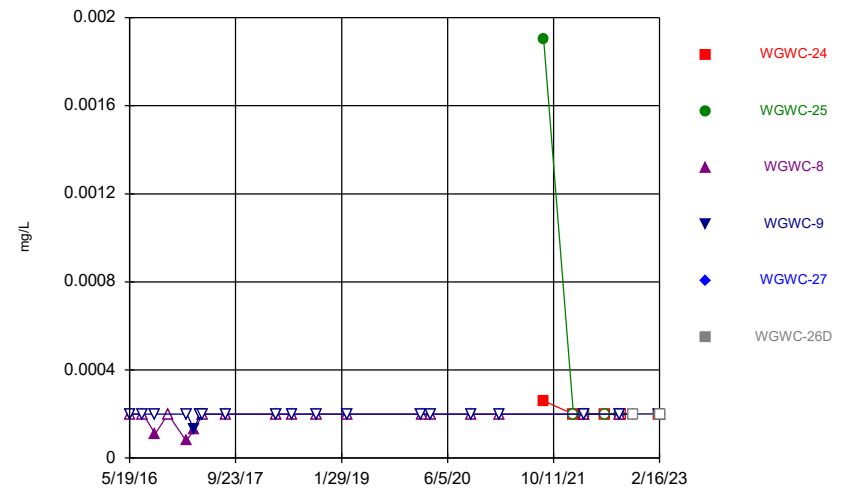
Constituent: Mercury Analysis Run 4/24/2023 11:57 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



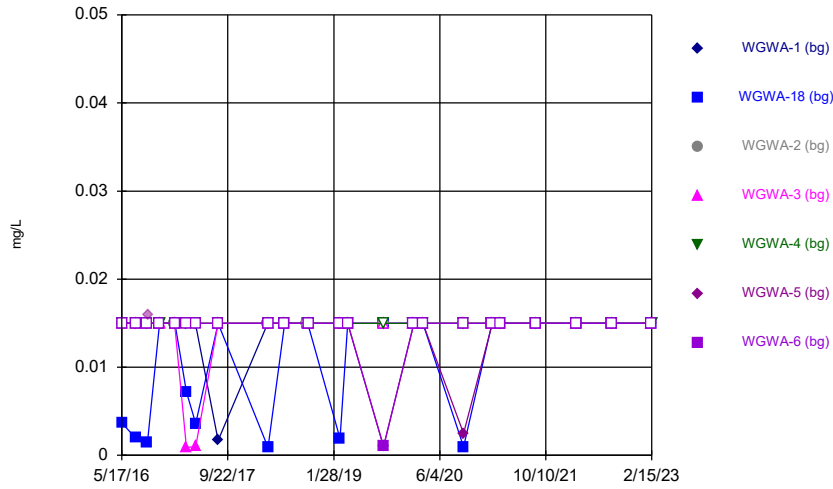
Constituent: Mercury Analysis Run 4/24/2023 11:57 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



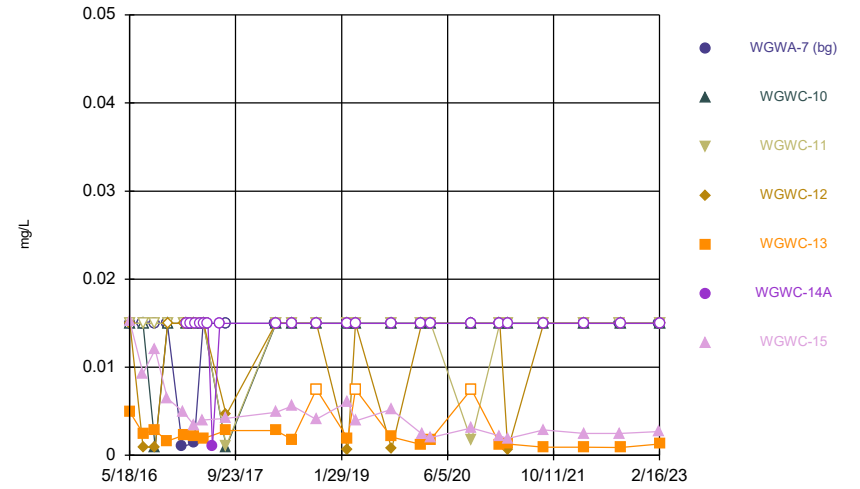
Constituent: Mercury Analysis Run 4/24/2023 11:57 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



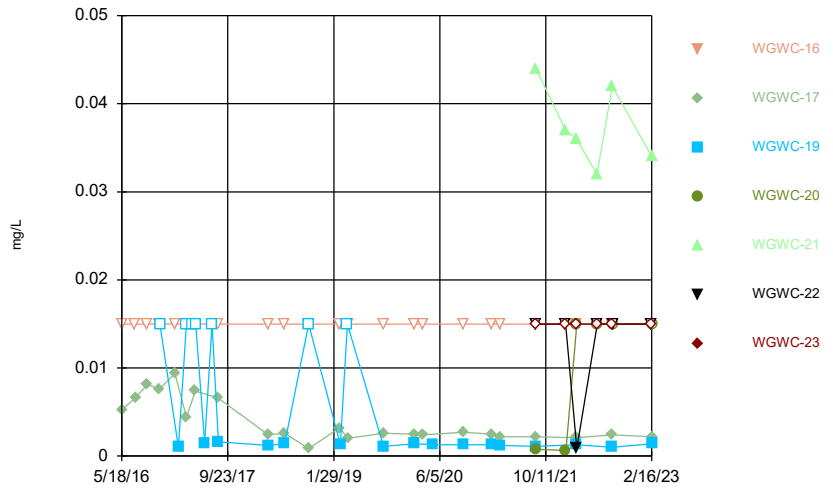
Constituent: Molybdenum Analysis Run 4/24/2023 11:57 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



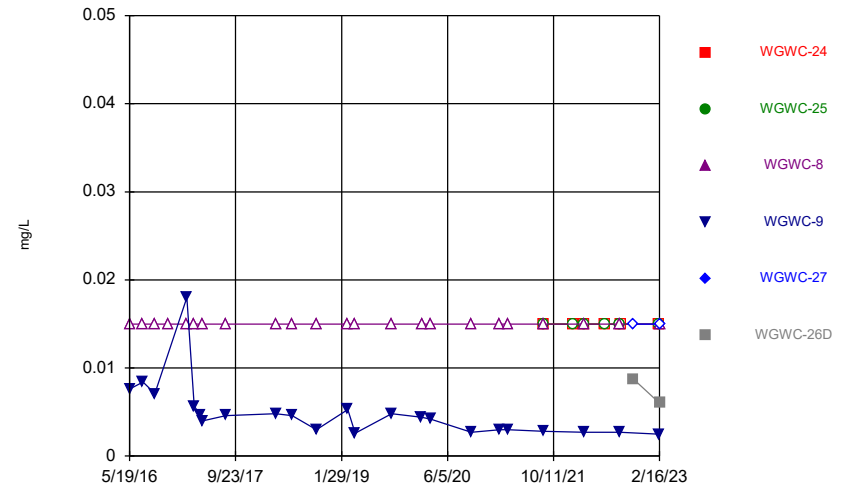
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



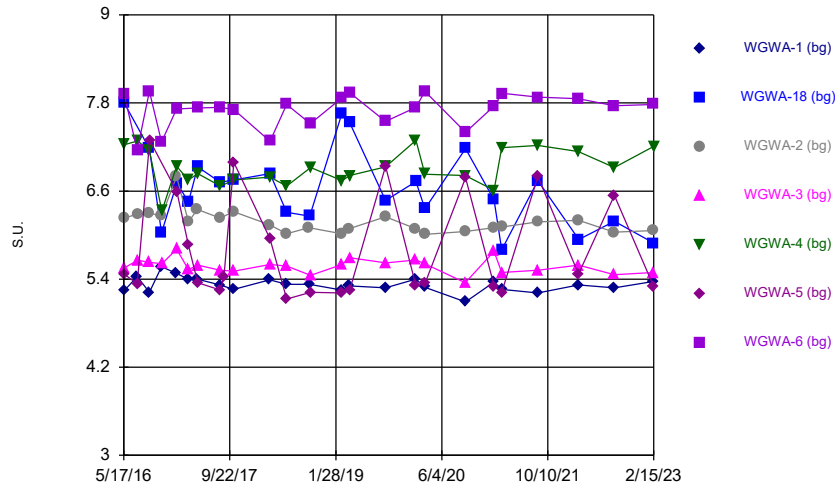
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



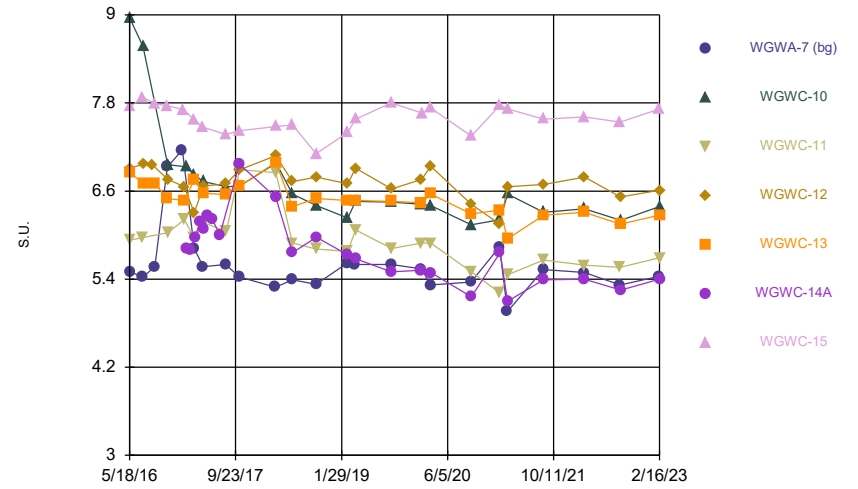
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



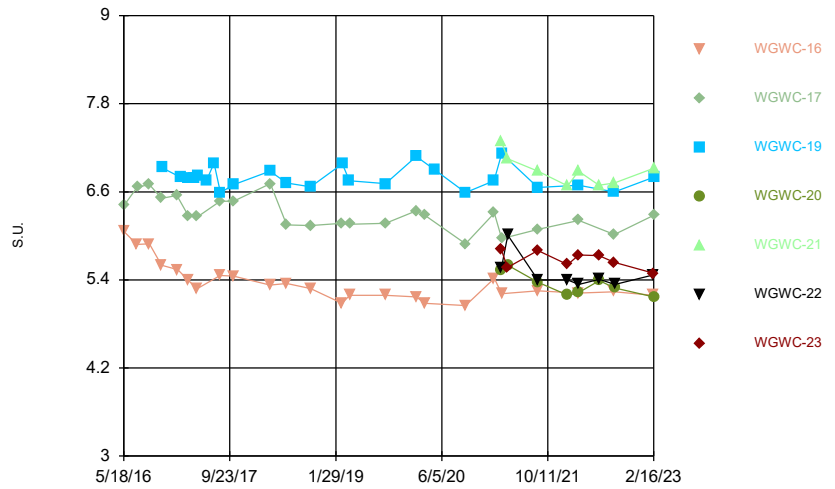
Constituent: pH, Field Analysis Run 4/24/2023 11:57 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



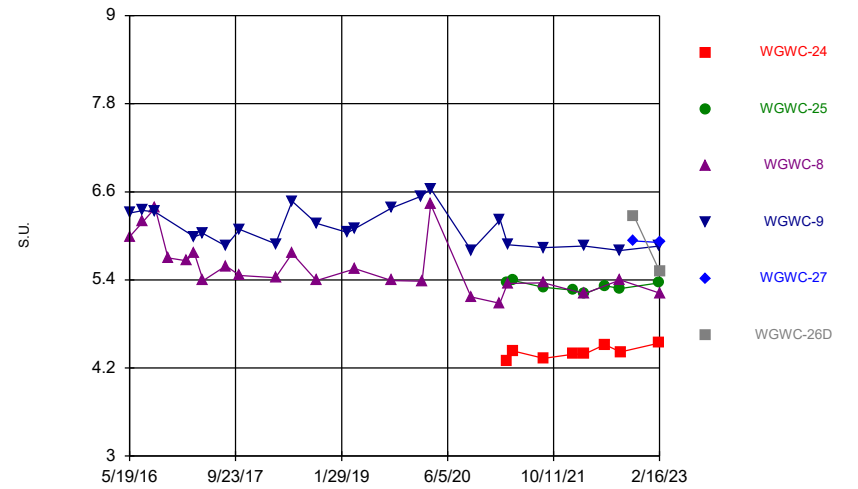
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



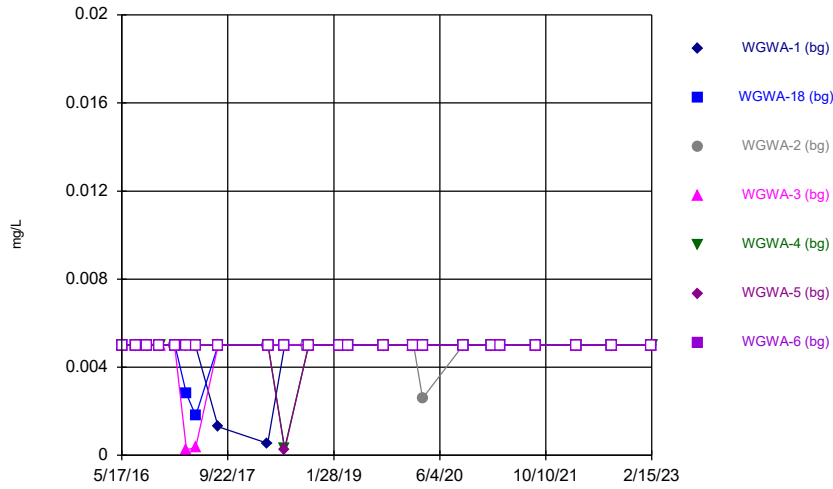
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



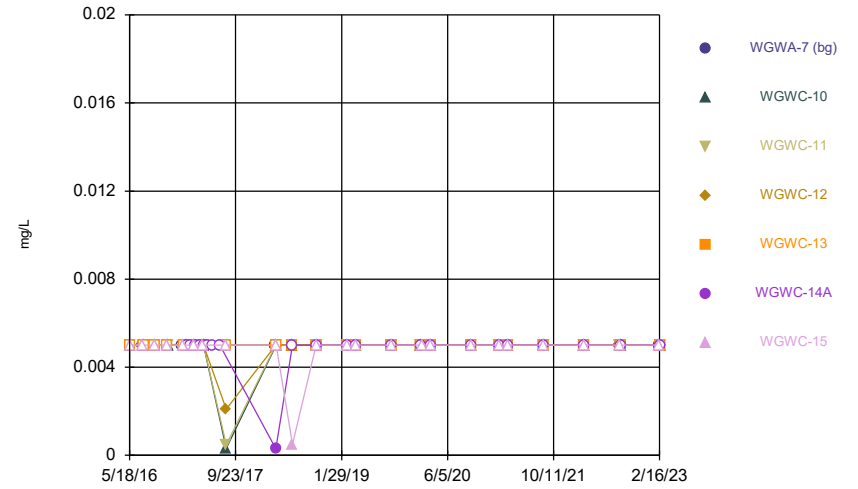
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



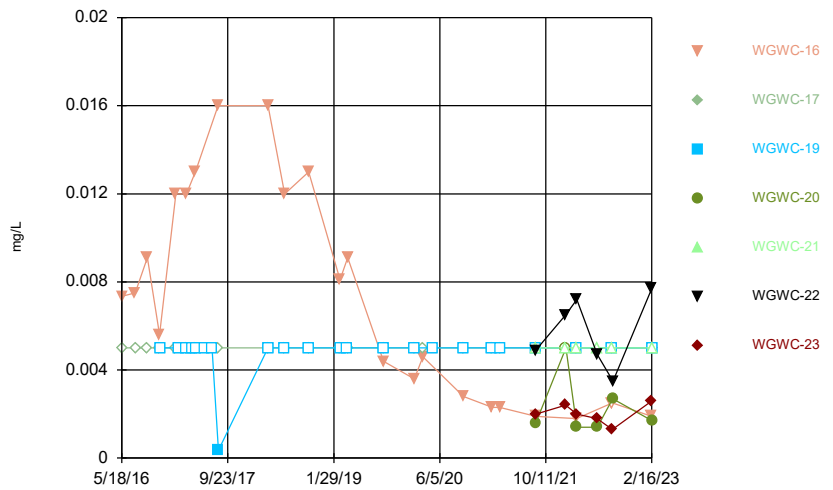
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



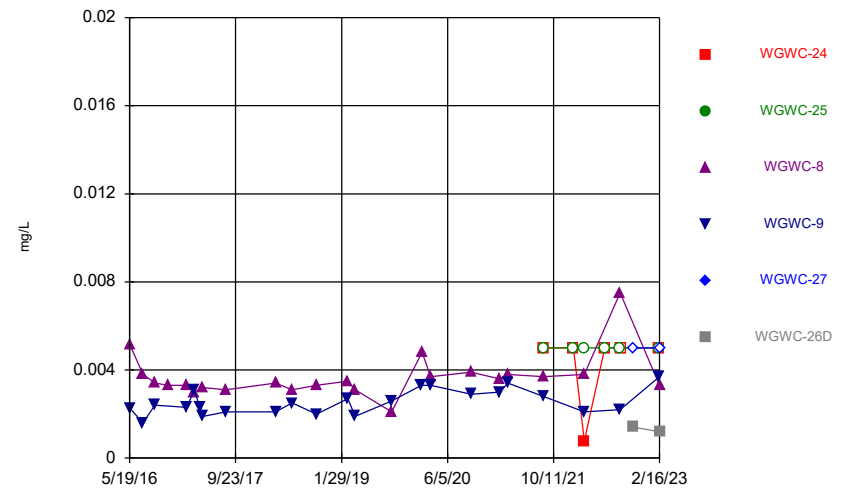
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



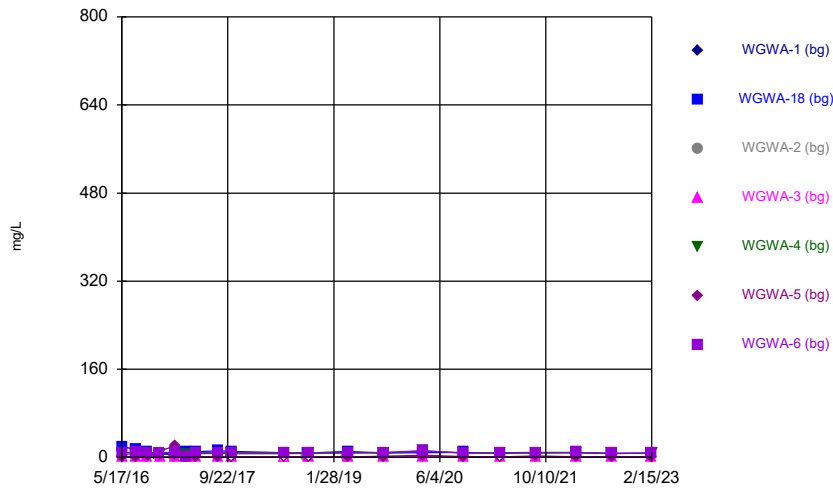
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



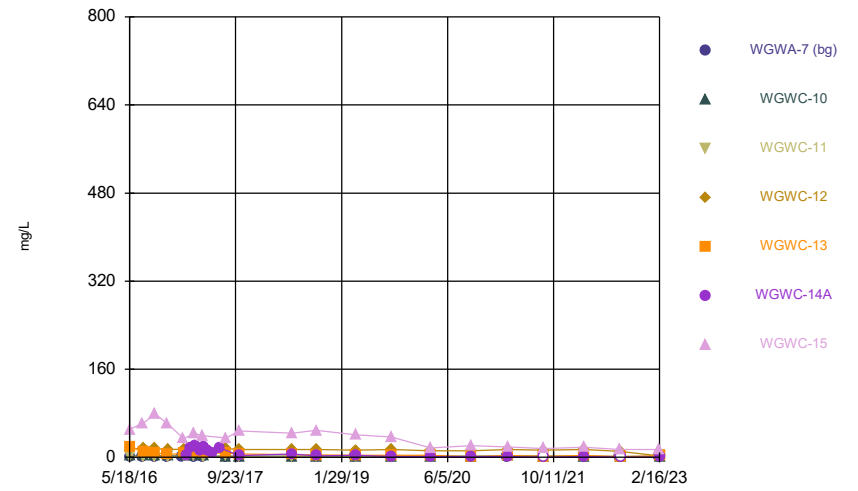
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



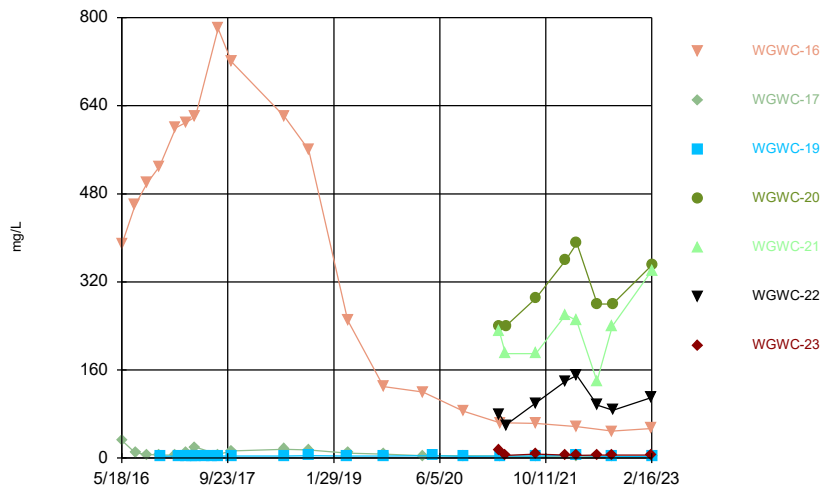
Constituent: Sulfate as SO4 Analysis Run 4/24/2023 11:57 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



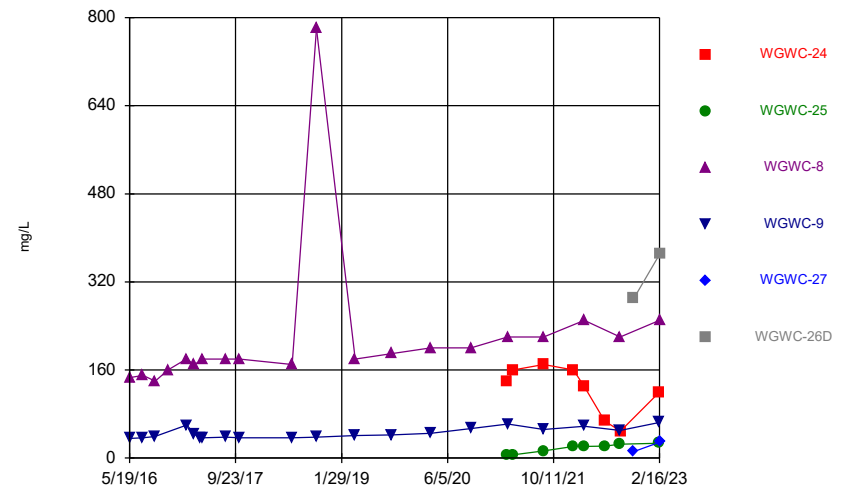
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



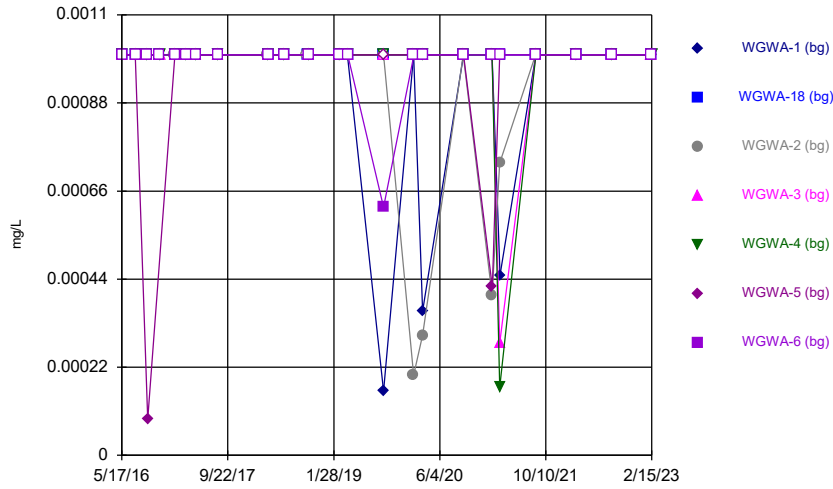
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



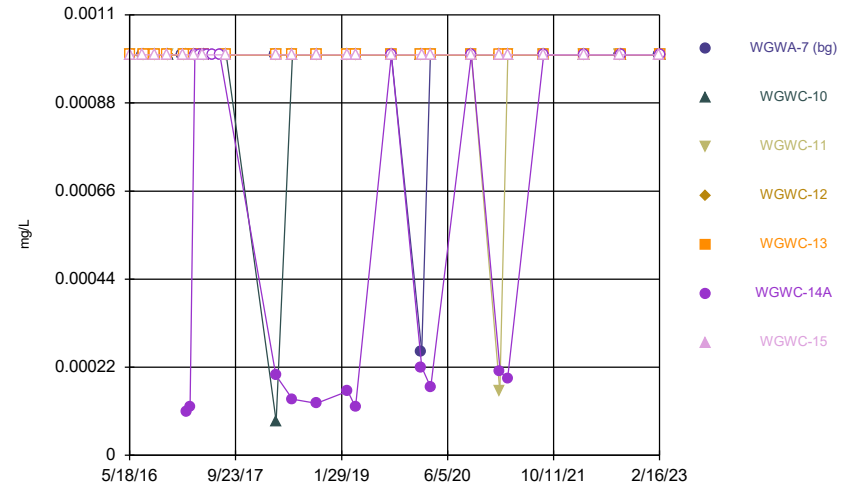
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



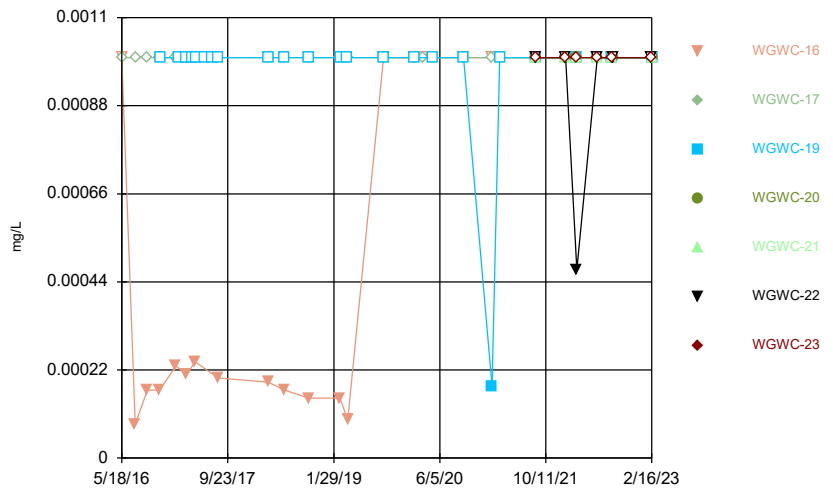
Constituent: Thallium Analysis Run 4/24/2023 11:57 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



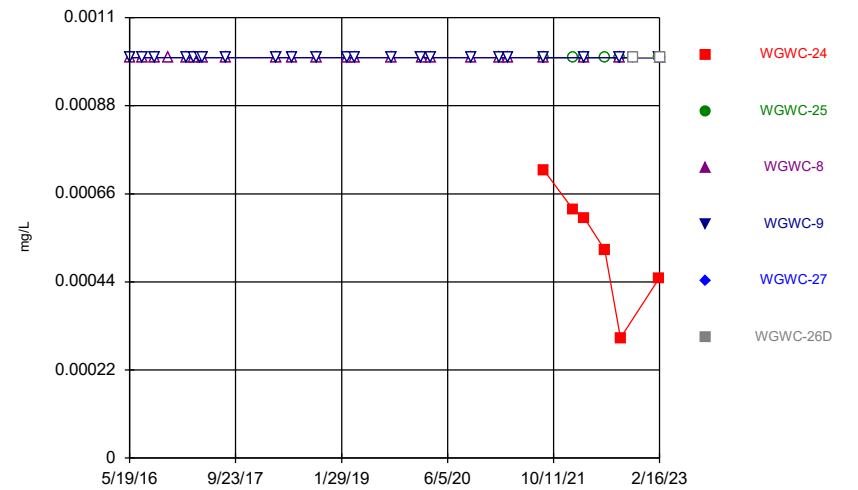
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



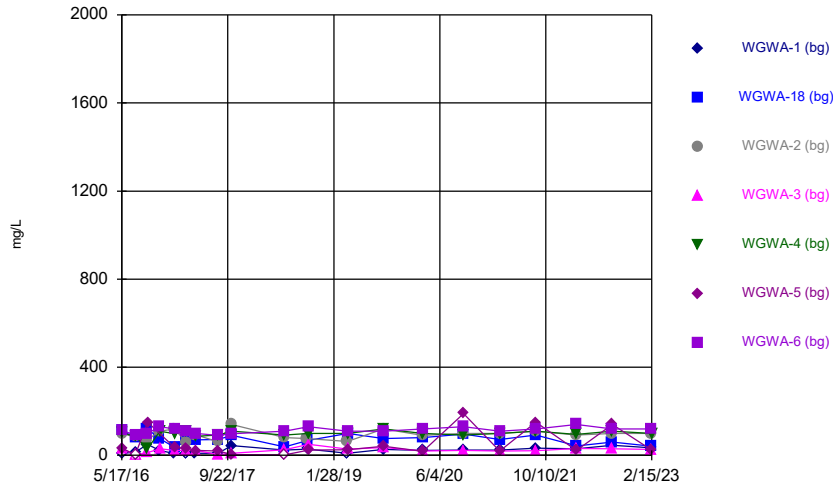
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



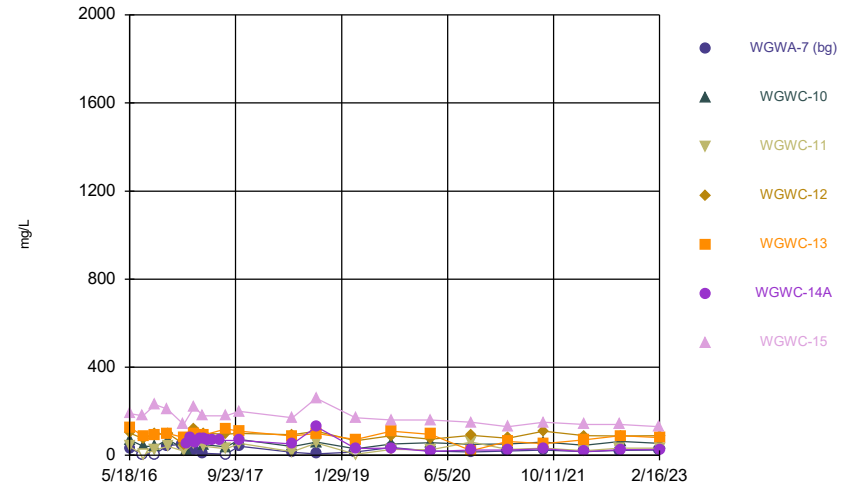
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



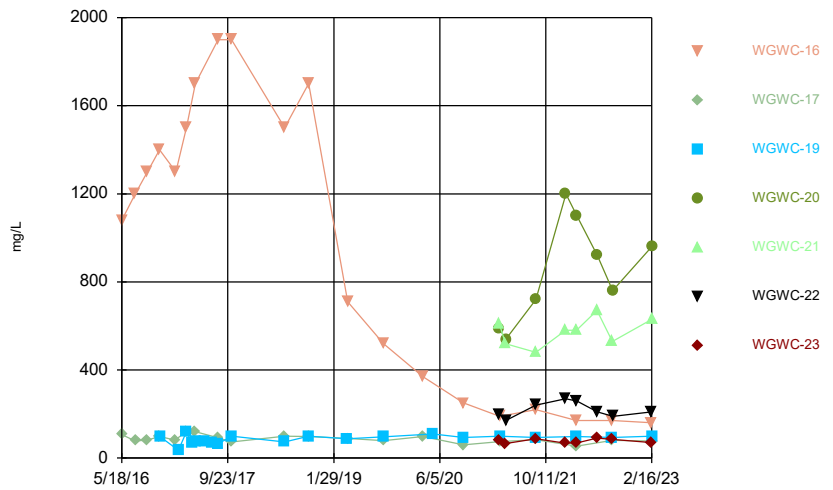
Constituent: Total Dissolved Solids [TDS] Analysis Run 4/24/2023 11:57 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



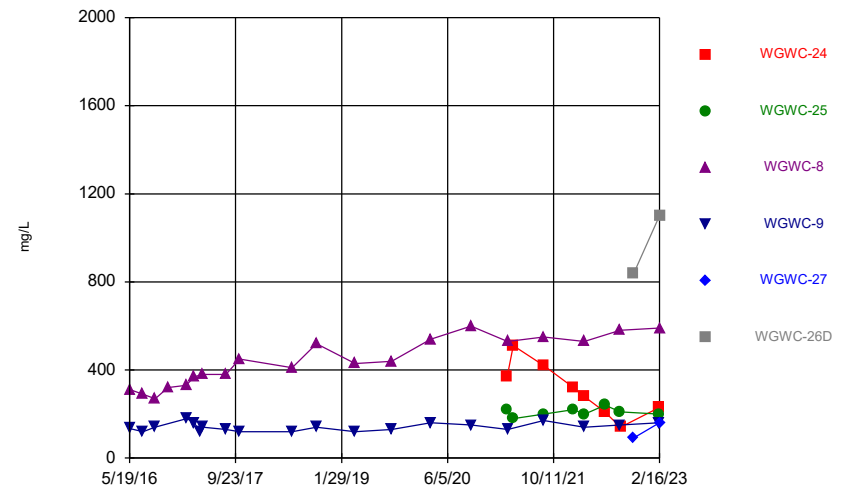
Constituent: Total Dissolved Solids [TDS] Analysis Run 4/24/2023 11:57 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/24/2023 11:57 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/24/2023 11:57 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | <0.002 | <0.002 | <0.002 | | | | |
| 5/18/2016 | | | | <0.002 | <0.002 | <0.002 | <0.002 |
| 7/19/2016 | <0.002 | <0.002 | <0.002 | | | <0.002 | <0.002 |
| 7/20/2016 | | | | <0.002 | <0.002 | | |
| 9/13/2016 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | <0.002 |
| 9/14/2016 | | | | | | <0.002 | |
| 11/9/2016 | <0.002 | <0.002 | <0.002 | | | | <0.002 |
| 11/10/2016 | | | | <0.002 | <0.002 | | |
| 1/17/2017 | <0.002 | | <0.002 | | | | |
| 1/18/2017 | | | | <0.002 | <0.002 | | <0.002 |
| 1/19/2017 | | <0.002 | | | | <0.002 | |
| 3/13/2017 | <0.002 | | <0.002 | | | | |
| 3/14/2017 | | <0.002 | | <0.002 | <0.002 | <0.002 | <0.002 |
| 4/24/2017 | <0.002 | | <0.002 | | | | |
| 4/25/2017 | | <0.002 | | <0.002 | <0.002 | <0.002 | <0.002 |
| 8/8/2017 | 0.0022 (J) | <0.002 | <0.002 | <0.002 | | | <0.002 |
| 8/9/2017 | | | | | <0.002 | <0.002 | |
| 3/27/2018 | <0.002 | | <0.002 | | | | |
| 3/28/2018 | | <0.002 | | <0.002 | <0.002 | <0.002 | <0.002 |
| 2/25/2019 | <0.002 | | <0.002 | | | | |
| 2/26/2019 | | <0.002 | | <0.002 | <0.002 | <0.002 | <0.002 |
| 2/3/2020 | <0.002 | | <0.002 | | | | |
| 2/4/2020 | | | | <0.002 | <0.002 | <0.002 | <0.002 |
| 2/5/2020 | | <0.002 | | | | | |
| 3/16/2020 | <0.002 | | <0.002 | | | | |
| 3/17/2020 | | <0.002 | | <0.002 | <0.002 | <0.002 | <0.002 |
| 2/2/2021 | 0.00062 (J) | <0.002 | <0.002 | <0.002 | <0.002 | | |
| 2/3/2021 | | | | | | <0.002 | <0.002 |
| 3/10/2021 | | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | |
| 3/11/2021 | <0.002 | | | | | | <0.002 |
| 8/23/2021 | | | <0.002 | | | | |
| 8/24/2021 | <0.002 | | | | <0.002 | <0.002 | <0.002 |
| 8/25/2021 | | <0.002 | | <0.002 | | | |
| 2/28/2022 | | | | | <0.002 | | |
| 3/1/2022 | <0.002 | | <0.002 | <0.002 | | <0.002 | <0.002 |
| 3/3/2022 | | <0.002 | | | | | |
| 8/15/2022 | <0.002 | | <0.002 | | | <0.002 | <0.002 |
| 8/16/2022 | | <0.002 | | <0.002 | 0.00051 (J) | | |
| 2/14/2023 | <0.002 | <0.002 | <0.002 | <0.002 | | <0.002 | <0.002 |
| 2/15/2023 | | | | | <0.002 | | |

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|---------|-------------|------------|---------|----------|---------|
| 5/18/2016 | <0.002 | <0.002 | | | | | <0.002 |
| 5/19/2016 | | | <0.002 | <0.002 | <0.002 | | |
| 7/19/2016 | <0.002 | | | | | | <0.002 |
| 7/20/2016 | | <0.002 | <0.002 | <0.002 | <0.002 | | |
| 9/13/2016 | <0.002 | | | | | | |
| 9/14/2016 | | <0.002 | <0.002 | <0.002 | <0.002 | | <0.002 |
| 11/10/2016 | <0.002 | | | | <0.002 | | <0.002 |
| 11/11/2016 | | <0.002 | <0.002 | <0.002 | | | |
| 1/18/2017 | <0.002 | | | | | | |
| 1/24/2017 | | | | | | | <0.002 |
| 1/27/2017 | | | <0.002 | <0.002 | <0.002 | | |
| 2/6/2017 | | <0.002 | | | | | |
| 2/8/2017 | | | | | | <0.002 | |
| 2/23/2017 | | | | | | <0.002 | |
| 3/14/2017 | <0.002 | | | | | | <0.002 |
| 3/15/2017 | | <0.002 | <0.002 | <0.002 | <0.002 | | |
| 3/17/2017 | | | | | | <0.002 | |
| 4/11/2017 | | | | | | <0.002 | |
| 4/25/2017 | <0.002 | | | | | | <0.002 |
| 4/26/2017 | | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | |
| 5/17/2017 | | | | | | <0.002 | |
| 6/7/2017 | | | | | | <0.002 | |
| 7/11/2017 | | | | | | <0.002 | |
| 8/8/2017 | <0.002 | | | | | | |
| 8/9/2017 | | | | | <0.002 | | <0.002 |
| 8/10/2017 | | <0.002 | <0.002 | 0.0023 (J) | | | |
| 3/28/2018 | <0.002 | | | | | | |
| 3/29/2018 | | | <0.002 | <0.002 | <0.002 | <0.002 | |
| 3/30/2018 | | <0.002 | | | | | <0.002 |
| 2/26/2019 | <0.002 | | | | | | |
| 2/27/2019 | | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 |
| 2/5/2020 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | |
| 2/7/2020 | | | | | | | <0.002 |
| 3/17/2020 | <0.002 | | | | | | |
| 3/18/2020 | | <0.002 | <0.002 | <0.002 | | | <0.002 |
| 3/19/2020 | | | | | <0.002 | <0.002 | |
| 2/2/2021 | <0.002 | | | | | | |
| 2/3/2021 | | | <0.002 | <0.002 | | | |
| 2/4/2021 | | <0.002 | | | <0.002 | <0.002 | <0.002 |
| 3/10/2021 | <0.002 | | | | | | |
| 3/11/2021 | | <0.002 | | | <0.002 | <0.002 | |
| 3/12/2021 | | | <0.002 | <0.002 | | | <0.002 |
| 8/24/2021 | <0.002 | | | | | | |
| 8/25/2021 | | | <0.002 | <0.002 | <0.002 | <0.002 | |
| 8/26/2021 | | <0.002 | | | | | <0.002 |
| 3/3/2022 | <0.002 | <0.002 | <0.002 | | <0.002 | <0.002 | <0.002 |
| 3/4/2022 | | | | <0.002 | | | |
| 8/16/2022 | <0.002 | | 0.00053 (J) | | | | |
| 8/17/2022 | | | | | | | <0.002 |
| 8/18/2022 | | | | <0.002 | <0.002 | | |
| 8/19/2022 | | <0.002 | | | | <0.002 | |
| 2/14/2023 | <0.002 | | | | | | |

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|---------|---------|---------|---------|----------|---------|
| 2/15/2023 | | | | | | | <0.002 |
| 2/16/2023 | | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | |

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|---------|---------|-------------|-------------|-------------|-------------|------------|
| 5/18/2016 | <0.002 | <0.002 | | | | | |
| 7/19/2016 | <0.002 | | | | | | |
| 7/20/2016 | | <0.002 | | | | | |
| 9/14/2016 | <0.002 | <0.002 | | | | | |
| 11/10/2016 | <0.002 | <0.002 | | | | | |
| 11/11/2016 | | | <0.002 | | | | |
| 1/20/2017 | | <0.002 | | | | | |
| 1/24/2017 | <0.002 | | | | | | |
| 2/6/2017 | | | <0.002 | | | | |
| 3/14/2017 | | <0.002 | | | | | |
| 3/15/2017 | <0.002 | | <0.002 | | | | |
| 4/11/2017 | | | <0.002 | | | | |
| 4/25/2017 | <0.002 | <0.002 | | | | | |
| 4/26/2017 | | | <0.002 | | | | |
| 6/7/2017 | | | <0.002 | | | | |
| 7/11/2017 | | | <0.002 | | | | |
| 8/9/2017 | <0.002 | <0.002 | | | | | |
| 8/10/2017 | | | <0.002 | | | | |
| 3/29/2018 | <0.002 | | <0.002 | | | | |
| 3/30/2018 | | <0.002 | | | | | |
| 2/26/2019 | | <0.002 | | | | | |
| 2/27/2019 | <0.002 | | | | | | |
| 2/28/2019 | | | <0.002 | | | | |
| 2/7/2020 | <0.002 | <0.002 | <0.002 | | | | |
| 3/18/2020 | <0.002 | <0.002 | | | | | |
| 5/4/2020 | | | <0.002 | | | | |
| 2/3/2021 | | | <0.002 | | | | |
| 2/4/2021 | <0.002 | <0.002 | | | | | |
| 3/11/2021 | <0.002 | <0.002 | <0.002 | | | | |
| 8/25/2021 | <0.002 | <0.002 | | | | | |
| 8/26/2021 | | | <0.002 | <0.002 | 0.00076 (J) | <0.002 | <0.002 |
| 1/11/2022 | | | | | <0.002 | 0.00078 (J) | 0.0012 (J) |
| 1/12/2022 | | | | 0.00066 (J) | | | |
| 3/3/2022 | <0.002 | | <0.002 | | 0.00053 (J) | | |
| 3/4/2022 | | <0.002 | | 0.0011 (J) | | 0.00082 (J) | 0.0018 (J) |
| 6/6/2022 | | | | | <0.002 | | 0.0013 (J) |
| 6/7/2022 | | | | <0.002 | | 0.00054 (J) | |
| 8/16/2022 | | <0.002 | | | 0.00055 (J) | | |
| 8/17/2022 | <0.002 | | 0.00058 (J) | | | | <0.002 |
| 8/18/2022 | | | | <0.002 | | | |
| 8/19/2022 | | | | | | <0.002 | |
| 2/15/2023 | <0.002 | | | | | 0.0012 (J) | 0.0022 |
| 2/16/2023 | | <0.002 | <0.002 | <0.002 | <0.002 | | |

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|---------|---------|-------------|-------------|-------------|----------|
| 5/19/2016 | | | <0.002 | <0.002 | | |
| 7/20/2016 | | | <0.002 | <0.002 | | |
| 9/14/2016 | | | | <0.002 | | |
| 9/15/2016 | | | <0.002 | | | |
| 11/14/2016 | | | <0.002 | | | |
| 2/6/2017 | | | <0.002 | | | |
| 2/9/2017 | | | | <0.002 | | |
| 3/15/2017 | | | <0.002 | 0.0011 (J) | | |
| 4/11/2017 | | | | <0.002 | | |
| 4/26/2017 | | | <0.002 | <0.002 | | |
| 8/10/2017 | | | <0.002 | <0.002 | | |
| 3/29/2018 | | | <0.002 | <0.002 | | |
| 2/27/2019 | | | <0.002 | | | |
| 2/28/2019 | | | | <0.002 | | |
| 2/5/2020 | | | | <0.002 | | |
| 2/7/2020 | | | <0.002 | | | |
| 3/19/2020 | | | <0.002 | 0.00041 (J) | | |
| 2/3/2021 | | | <0.002 | | | |
| 2/4/2021 | | | | 0.00041 (J) | | |
| 3/11/2021 | | | <0.002 | | | |
| 3/12/2021 | | | | <0.002 | | |
| 8/26/2021 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| 1/11/2022 | <0.002 | <0.002 | | | | |
| 3/3/2022 | <0.002 | | <0.002 | 0.008 | | |
| 3/4/2022 | | <0.002 | | | | |
| 6/6/2022 | <0.002 | | | | | |
| 6/7/2022 | | <0.002 | | | | |
| 8/16/2022 | | | 0.011 | | | |
| 8/17/2022 | | <0.002 | | 0.0043 | | |
| 8/18/2022 | <0.002 | | | | | |
| 10/19/2022 | | | | | <0.002 | <0.002 |
| 2/15/2023 | <0.002 | <0.002 | | 0.00048 (J) | | |
| 2/16/2023 | | | 0.00064 (J) | | 0.00047 (J) | <0.002 |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | <0.001 | <0.001 | <0.001 | | | | |
| 5/18/2016 | | | | <0.001 | <0.001 | <0.001 | <0.001 |
| 7/19/2016 | <0.001 | 0.00061 (J) | <0.001 | | | <0.001 | <0.001 |
| 7/20/2016 | | | | <0.001 | <0.001 | | |
| 9/13/2016 | <0.001 | 0.00074 (J) | <0.001 | <0.001 | <0.001 | | <0.001 |
| 9/14/2016 | | | | | | 0.00069 (J) | |
| 11/9/2016 | <0.001 | <0.001 | <0.001 | | | | <0.001 |
| 11/10/2016 | | | | <0.001 | 0.00078 (J) | | |
| 1/17/2017 | <0.001 | | 0.00099 (J) | | | | |
| 1/18/2017 | | | | 0.00086 (J) | 0.0012 (J) | | 0.0008 (J) |
| 1/19/2017 | | 0.00079 (J) | | | | <0.001 | |
| 3/13/2017 | <0.001 | | <0.001 | | | | |
| 3/14/2017 | | 0.0014 | | <0.001 | <0.001 | <0.001 | <0.001 |
| 4/24/2017 | <0.001 | | <0.001 | | | | |
| 4/25/2017 | | 0.00062 (J) | | <0.001 | <0.001 | <0.001 | <0.001 |
| 8/8/2017 | <0.001 | <0.001 | <0.001 | <0.001 | | | <0.001 |
| 8/9/2017 | | | | | <0.001 | <0.001 | |
| 3/27/2018 | <0.001 | | <0.001 | | | | |
| 3/28/2018 | | 0.00046 (J) | | <0.001 | <0.001 | <0.001 | <0.001 |
| 6/13/2018 | 0.001 (J) | 0.00057 (J) | | | | <0.001 | <0.001 |
| 6/14/2018 | | | 0.0012 (J) | 0.00087 (J) | 0.0005 (J) | | |
| 9/24/2018 | | | <0.001 | | | | |
| 9/27/2018 | <0.001 | | | | | | |
| 9/28/2018 | | <0.001 | | | | | |
| 10/2/2018 | | | | | | | <0.001 |
| 10/3/2018 | | | | 0.00069 (J) | <0.001 | 0.00085 (J) | |
| 2/25/2019 | <0.001 | | <0.001 | | | | |
| 2/26/2019 | | 0.00054 (J) | | <0.001 | 0.00033 (J) | <0.001 | <0.001 |
| 4/1/2019 | <0.001 | | <0.001 | | | | |
| 4/2/2019 | | <0.001 | | <0.001 | <0.001 | <0.001 | <0.001 |
| 9/16/2019 | <0.001 | | | | | <0.001 | 0.00036 (J) |
| 9/17/2019 | | 0.0004 (J) | 0.00033 (J) | | 0.00035 (J) | | |
| 9/18/2019 | | | | <0.001 | | | |
| 2/3/2020 | <0.001 | | <0.001 | | | | |
| 2/4/2020 | | | | <0.001 | 0.00033 (J) | <0.001 | <0.001 |
| 2/5/2020 | | 0.00058 (J) | | | | | |
| 3/16/2020 | 0.00038 (J) | | 0.00043 (J) | | | | |
| 3/17/2020 | | <0.001 | | <0.001 | <0.001 | <0.001 | <0.001 |
| 9/21/2020 | | | <0.001 | <0.001 | <0.001 | | |
| 9/22/2020 | <0.001 | <0.001 | | | | <0.001 | <0.001 |
| 2/2/2021 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | | |
| 2/3/2021 | | | | | | <0.001 | <0.001 |
| 3/10/2021 | | <0.001 | 0.00063 (J) | <0.001 | 0.00036 (J) | <0.001 | |
| 3/11/2021 | <0.001 | | | | | | <0.001 |
| 8/23/2021 | | | <0.001 | | | | |
| 8/24/2021 | <0.001 | | | | <0.001 | <0.001 | <0.001 |
| 8/25/2021 | | <0.001 | | <0.001 | | | |
| 2/28/2022 | | | | | <0.001 | | |
| 3/1/2022 | <0.001 | | <0.001 | <0.001 | | <0.001 | <0.001 |
| 3/3/2022 | | <0.001 | | | | | |
| 8/15/2022 | <0.001 | | <0.001 | | | <0.001 | <0.001 |
| 8/16/2022 | | <0.001 | | <0.001 | <0.001 | | |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|-----------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 2/14/2023 | <0.001 | <0.001 | <0.001 | <0.001 | | <0.001 | <0.001 |
| 2/15/2023 | | | | | <0.001 | | |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 5/18/2016 | <0.001 | <0.001 | | | | | 0.00345 |
| 5/19/2016 | | | <0.001 | <0.001 | <0.001 | | |
| 7/19/2016 | <0.001 | | | | | | 0.0031 |
| 7/20/2016 | | <0.001 | <0.001 | <0.001 | <0.001 | | |
| 9/13/2016 | <0.001 | | | | | | |
| 9/14/2016 | | <0.001 | <0.001 | <0.001 | <0.001 | | 0.0024 |
| 11/10/2016 | <0.001 | | | | <0.001 | | 0.0023 |
| 11/11/2016 | | <0.001 | <0.001 | <0.001 | | | |
| 1/18/2017 | 0.001 (J) | | | | | | |
| 1/24/2017 | | | | | | | 0.0019 |
| 1/27/2017 | | | 0.00047 (J) | <0.001 | 0.00066 (J) | | |
| 2/6/2017 | | <0.001 | | | | | |
| 2/8/2017 | | | | | | <0.001 | |
| 2/23/2017 | | | | | | <0.001 | |
| 3/14/2017 | <0.001 | | | | | | 0.0016 |
| 3/15/2017 | | <0.001 | <0.001 | <0.001 | <0.001 | | |
| 3/17/2017 | | | | | | 0.0006 (J) | |
| 4/11/2017 | | | | | | 0.0032 | |
| 4/25/2017 | <0.001 | | | | | | 0.0019 |
| 4/26/2017 | | <0.001 | <0.001 | <0.001 | <0.001 | 0.0019 | |
| 5/17/2017 | | | | | | 0.0014 | |
| 6/7/2017 | | | | | | 0.0021 | |
| 7/11/2017 | | | | | | 0.00095 (J) | |
| 8/8/2017 | <0.001 | | | | | | |
| 8/9/2017 | | | | | <0.001 | | 0.0017 |
| 8/10/2017 | | <0.001 | <0.001 | 0.00048 (J) | | | |
| 3/28/2018 | <0.001 | | | | | | |
| 3/29/2018 | | | <0.001 | <0.001 | 0.00067 (J) | <0.001 | |
| 3/30/2018 | | <0.001 | | | | | 0.0018 |
| 6/14/2018 | 0.0005 (J) | 0.0005 (J) | <0.001 | 0.00052 (J) | 0.00093 (J) | <0.001 | 0.002 |
| 10/3/2018 | <0.001 | | | | | | 0.0024 |
| 10/4/2018 | | 0.00089 (J) | 0.00054 (J) | <0.001 | 0.0015 | 0.0017 | |
| 2/26/2019 | <0.001 | | | | | | |
| 2/27/2019 | | <0.001 | <0.001 | <0.001 | 0.00036 (J) | <0.001 | 0.0015 |
| 4/2/2019 | <0.001 | | | | | | |
| 4/3/2019 | | | <0.001 | <0.001 | 0.00053 (J) | <0.001 | |
| 4/4/2019 | | <0.001 | | | | | 0.0019 |
| 9/18/2019 | <0.001 | | | | 0.00039 (J) | <0.001 | 0.0016 |
| 9/19/2019 | | 0.00038 (J) | <0.001 | <0.001 | | | |
| 2/5/2020 | <0.001 | 0.00035 (J) | <0.001 | <0.001 | 0.00048 (J) | <0.001 | |
| 2/7/2020 | | | | | | | 0.001 |
| 3/17/2020 | <0.001 | | | | | | |
| 3/18/2020 | | <0.001 | <0.001 | <0.001 | | | 0.00088 (J) |
| 3/19/2020 | | | | | 0.00039 (J) | <0.001 | |
| 9/22/2020 | <0.001 | | | | | | |
| 9/23/2020 | | <0.001 | | <0.001 | | | 0.00061 (J) |
| 9/24/2020 | | | 0.00051 (J) | | <0.001 | <0.001 | |
| 2/2/2021 | <0.001 | | | | | | |
| 2/3/2021 | | | <0.001 | <0.001 | | | |
| 2/4/2021 | | <0.001 | | | 0.00038 (J) | <0.001 | 0.00069 (J) |
| 3/10/2021 | <0.001 | | | | | | |
| 3/11/2021 | | 0.00031 (J) | | | 0.00035 (J) | <0.001 | |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|---------|---------|-------------|-------------|----------|-------------|
| 3/12/2021 | | | <0.001 | <0.001 | | | 0.00084 (J) |
| 8/24/2021 | <0.001 | | | | | | |
| 8/25/2021 | | | <0.001 | <0.001 | <0.001 | <0.001 | |
| 8/26/2021 | | <0.001 | | | | | 0.0012 |
| 3/3/2022 | <0.001 | <0.001 | <0.001 | | <0.001 | <0.001 | 0.00057 (J) |
| 3/4/2022 | | | | 0.00037 (J) | | | |
| 8/16/2022 | <0.001 | | <0.001 | | | | |
| 8/17/2022 | | | | | | | 0.00052 (J) |
| 8/18/2022 | | | | <0.001 | 0.00034 (J) | | |
| 8/19/2022 | | <0.001 | | | | <0.001 | |
| 2/14/2023 | <0.001 | | | | | | |
| 2/15/2023 | | | | | | | <0.001 |
| 2/16/2023 | | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|-------------|-------------|---------|-------------|-------------|-------------|---------|
| 5/18/2016 | <0.001 | <0.001 | | | | | |
| 7/19/2016 | 0.0009 (J) | | | | | | |
| 7/20/2016 | | 0.00058 (J) | | | | | |
| 9/14/2016 | 0.0014 | <0.001 | | | | | |
| 11/10/2016 | 0.0021 | 0.00082 (J) | | | | | |
| 11/11/2016 | | | <0.001 | | | | |
| 1/20/2017 | | <0.001 | | | | | |
| 1/24/2017 | 0.0015 | | | | | | |
| 2/6/2017 | | | <0.001 | | | | |
| 3/14/2017 | | <0.001 | | | | | |
| 3/15/2017 | 0.0014 | | <0.001 | | | | |
| 4/11/2017 | | | <0.001 | | | | |
| 4/25/2017 | 0.0014 | 0.00095 (J) | | | | | |
| 4/26/2017 | | | <0.001 | | | | |
| 6/7/2017 | | | <0.001 | | | | |
| 7/11/2017 | | | <0.001 | | | | |
| 8/9/2017 | 0.0013 | <0.001 | | | | | |
| 8/10/2017 | | | <0.001 | | | | |
| 3/29/2018 | 0.0014 | | <0.001 | | | | |
| 3/30/2018 | | <0.001 | | | | | |
| 6/14/2018 | <0.001 | 0.00076 (J) | <0.001 | | | | |
| 10/4/2018 | 0.0013 | 0.00088 (J) | <0.001 | | | | |
| 2/26/2019 | | 0.0005 (J) | | | | | |
| 2/27/2019 | 0.00046 (J) | | | | | | |
| 2/28/2019 | | | <0.001 | | | | |
| 4/2/2019 | | | <0.001 | | | | |
| 4/4/2019 | <0.001 | <0.001 | | | | | |
| 9/18/2019 | <0.001 | <0.001 | <0.001 | | | | |
| 2/7/2020 | <0.001 | 0.00075 (J) | <0.001 | | | | |
| 3/18/2020 | <0.001 | 0.00054 (J) | | | | | |
| 5/4/2020 | | | <0.001 | | | | |
| 9/23/2020 | <0.001 | 0.00067 (J) | <0.001 | | | | |
| 2/3/2021 | | | <0.001 | | | | |
| 2/4/2021 | <0.001 | 0.00035 (J) | | | | | |
| 3/11/2021 | <0.001 | <0.001 | <0.001 | | | | |
| 8/25/2021 | <0.001 | <0.001 | | | | | |
| 8/26/2021 | | | <0.001 | 0.00031 (J) | 0.00057 (J) | <0.001 | <0.001 |
| 1/11/2022 | | | | | 0.00036 (J) | <0.001 | <0.001 |
| 1/12/2022 | | | | 0.00052 (J) | | | |
| 3/3/2022 | <0.001 | | <0.001 | | 0.00053 (J) | | |
| 3/4/2022 | | <0.001 | | 0.00078 (J) | | 0.00046 (J) | <0.001 |
| 6/6/2022 | | | | | 0.00083 (J) | | <0.001 |
| 6/7/2022 | | | | 0.00033 (J) | | 0.00029 (J) | |
| 8/16/2022 | | <0.001 | | | 0.00028 (J) | | |
| 8/17/2022 | <0.001 | | <0.001 | | | | <0.001 |
| 8/18/2022 | | | | <0.001 | | | |
| 8/19/2022 | | | | | | <0.001 | |
| 2/15/2023 | <0.001 | | | | | <0.001 | <0.001 |
| 2/16/2023 | | <0.001 | <0.001 | <0.001 | <0.001 | | |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|-------------|---------|-------------|-------------|---------|----------|
| 5/19/2016 | | | <0.001 | <0.001 | | |
| 7/20/2016 | | | 0.00055 (J) | 0.00078 (J) | | |
| 9/14/2016 | | | | <0.001 | | |
| 9/15/2016 | | | <0.001 | | | |
| 11/14/2016 | | | <0.001 | | | |
| 2/6/2017 | | | <0.001 | | | |
| 2/9/2017 | | | | 0.0017 | | |
| 3/15/2017 | | | <0.001 | 0.00047 (J) | | |
| 4/11/2017 | | | | <0.001 | | |
| 4/26/2017 | | | <0.001 | <0.001 | | |
| 8/10/2017 | | | <0.001 | <0.001 | | |
| 3/29/2018 | | | <0.001 | <0.001 | | |
| 6/14/2018 | | | <0.001 | <0.001 | | |
| 10/4/2018 | | | 0.0015 | <0.001 | | |
| 2/27/2019 | | | 0.00047 (J) | | | |
| 2/28/2019 | | | | <0.001 | | |
| 4/3/2019 | | | <0.001 | <0.001 | | |
| 9/19/2019 | | | 0.00032 (J) | <0.001 | | |
| 2/5/2020 | | | | <0.001 | | |
| 2/7/2020 | | | 0.0011 | | | |
| 3/19/2020 | | | 0.00071 (J) | <0.001 | | |
| 9/22/2020 | | | 0.0011 | | | |
| 9/23/2020 | | | | <0.001 | | |
| 2/3/2021 | | | 0.0013 | | | |
| 2/4/2021 | | | | <0.001 | | |
| 3/11/2021 | | | 0.0009 (J) | | | |
| 3/12/2021 | | | | <0.001 | | |
| 8/26/2021 | 0.0033 | <0.001 | 0.0013 | <0.001 | | |
| 1/11/2022 | 0.0017 | <0.001 | | | | |
| 3/3/2022 | 0.0029 | | 0.0014 | <0.001 | | |
| 3/4/2022 | | <0.001 | | | | |
| 6/6/2022 | 0.00054 (J) | | | | | |
| 6/7/2022 | | <0.001 | | | | |
| 8/16/2022 | | | 0.00097 (J) | | | |
| 8/17/2022 | | <0.001 | | <0.001 | | |
| 8/18/2022 | 0.00028 (J) | | | | | |
| 10/19/2022 | | | | | <0.001 | <0.001 |
| 2/15/2023 | <0.001 | <0.001 | | <0.001 | | |
| 2/16/2023 | | | <0.001 | | <0.001 | <0.001 |

Time Series

Constituent: Barium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | 0.041 | 0.0221 | 0.0308 | | | | |
| 5/18/2016 | | | | 0.0174 | 0.00723 | 0.0198 | 0.00518 |
| 7/19/2016 | 0.038 | 0.018 | 0.022 | | | 0.015 | 0.0049 |
| 7/20/2016 | | | | 0.012 | 0.0051 | | |
| 9/13/2016 | 0.029 | 0.021 | 0.021 | 0.013 | 0.0058 | | 0.006 |
| 9/14/2016 | | | | | | 0.062 | |
| 11/9/2016 | 0.041 | 0.011 | 0.025 | | | | 0.0066 |
| 11/10/2016 | | | | 0.013 | 0.0063 | | |
| 1/17/2017 | 0.044 | | 0.017 | | | | |
| 1/18/2017 | | | | 0.014 | 0.0059 | | 0.007 |
| 1/19/2017 | | 0.012 | | | | 0.034 | |
| 3/13/2017 | 0.042 | | 0.019 | | | | |
| 3/14/2017 | | 0.017 | | 0.014 | 0.0058 | 0.018 | 0.014 |
| 4/24/2017 | 0.039 | | 0.019 | | | | |
| 4/25/2017 | | 0.017 | | 0.015 | 0.0056 | 0.018 | 0.0062 |
| 8/8/2017 | 0.044 | 0.021 | 0.022 | 0.015 | | | 0.0065 |
| 8/9/2017 | | | | | 0.0056 | 0.016 | |
| 3/27/2018 | 0.041 | | 0.021 | | | | |
| 3/28/2018 | | 0.019 | | 0.014 | 0.0052 | 0.015 | 0.0059 |
| 6/13/2018 | 0.045 | 0.013 | | | | 0.016 | 0.0067 |
| 6/14/2018 | | | 0.02 | 0.013 | 0.0057 | | |
| 9/24/2018 | | | 0.02 | | | | |
| 9/27/2018 | 0.047 | | | | | | |
| 9/28/2018 | | 0.014 | | | | | |
| 10/2/2018 | | | | | | | 0.0066 |
| 10/3/2018 | | | | 0.014 | 0.0054 | 0.016 | |
| 2/25/2019 | 0.049 | | 0.027 | | | | |
| 2/26/2019 | | 0.015 | | 0.014 | 0.012 | 0.02 | 0.011 |
| 4/1/2019 | 0.044 | | 0.027 | | | | |
| 4/2/2019 | | 0.014 | | 0.014 | 0.0056 | 0.016 | 0.0069 |
| 9/16/2019 | 0.05 | | | | | 0.027 | 0.0073 (J) |
| 9/17/2019 | | 0.013 | 0.024 | | 0.0063 (J) | | |
| 9/18/2019 | | | | 0.013 | | | |
| 2/3/2020 | 0.053 | | 0.045 | | | | |
| 2/4/2020 | | | | 0.019 | 0.0087 (J) | 0.022 | 0.013 |
| 2/5/2020 | | 0.02 | | | | | |
| 3/16/2020 | 0.046 | | 0.026 | | | | |
| 3/17/2020 | | 0.013 | | 0.013 | 0.0059 (J) | 0.017 | 0.0081 (J) |
| 9/21/2020 | | | 0.024 | 0.015 | 0.006 (J) | | |
| 9/22/2020 | 0.048 | 0.015 | | | | 0.032 | 0.0079 (J) |
| 2/2/2021 | 0.05 | 0.017 | 0.025 | 0.015 | 0.006 (J) | | |
| 2/3/2021 | | | | | | 0.015 | 0.0079 (J) |
| 3/10/2021 | | 0.016 | 0.024 | 0.014 | 0.0057 (J) | 0.016 | |
| 3/11/2021 | 0.046 | | | | | | 0.0077 (J) |
| 8/23/2021 | | | 0.023 | | | | |
| 8/24/2021 | 0.049 | | | | 0.0055 (J) | 0.028 | 0.0074 (J) |
| 8/25/2021 | | 0.015 | | 0.014 | | | |
| 2/28/2022 | | | | | 0.0053 (J) | | |
| 3/1/2022 | 0.047 | | 0.02 | 0.014 | | 0.017 | 0.0071 (J) |
| 3/3/2022 | | 0.013 | | | | | |
| 8/15/2022 | 0.045 | | 0.022 | | | 0.029 | 0.0069 (J) |
| 8/16/2022 | | 0.012 | | 0.014 | 0.0062 (J) | | |

Time Series

Constituent: Barium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|-----------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 2/14/2023 | 0.05 | 0.013 | 0.022 | 0.015 | | 0.018 | 0.0078 (J) |
| 2/15/2023 | | | | | 0.0058 (J) | | |

Time Series

Constituent: Barium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|---------|---------|---------|---------|----------|---------|
| 5/18/2016 | 0.0114 | 0.0391 | | | | | 0.0206 |
| 5/19/2016 | | | 0.031 | 0.0214 | 0.055 | | |
| 7/19/2016 | 0.012 | | | | | | 0.019 |
| 7/20/2016 | | 0.028 | 0.029 | 0.019 | 0.039 | | |
| 9/13/2016 | 0.011 | | | | | | |
| 9/14/2016 | | 0.035 | 0.031 | 0.02 | 0.04 | | 0.02 |
| 11/10/2016 | 0.016 | | | | 0.04 | | 0.02 |
| 11/11/2016 | | 0.042 | 0.034 | 0.022 | | | |
| 1/18/2017 | 0.013 | | | | | | |
| 1/24/2017 | | | | | | | 0.017 |
| 1/27/2017 | | | 0.042 | 0.023 | 0.042 | | |
| 2/6/2017 | | 0.041 | | | | | |
| 2/8/2017 | | | | | | 0.037 | |
| 2/23/2017 | | | | | | 0.051 | |
| 3/14/2017 | 0.01 | | | | | | 0.018 |
| 3/15/2017 | | 0.04 | 0.032 | 0.024 | 0.058 | | |
| 3/17/2017 | | | | | | 0.046 | |
| 4/11/2017 | | | | | | 0.055 | |
| 4/25/2017 | 0.012 | | | | | | 0.018 |
| 4/26/2017 | | 0.039 | 0.03 | 0.004 | 0.054 | 0.042 | |
| 5/17/2017 | | | | | | 0.052 | |
| 6/7/2017 | | | | | | 0.06 | |
| 7/11/2017 | | | | | | 0.038 | |
| 8/8/2017 | 0.012 | | | | | | |
| 8/9/2017 | | | | | 0.055 | | 0.02 |
| 8/10/2017 | | 0.038 | 0.03 | 0.017 | | | |
| 3/28/2018 | 0.01 | | | | | | |
| 3/29/2018 | | | 0.028 | 0.017 | 0.061 | 0.028 | |
| 3/30/2018 | | 0.042 | | | | | 0.021 |
| 6/14/2018 | 0.012 | 0.038 | 0.03 | 0.015 | 0.055 | 0.023 | 0.022 |
| 10/3/2018 | 0.011 | | | | | | 0.024 |
| 10/4/2018 | | 0.04 | 0.035 | 0.017 | 0.046 | 0.036 | |
| 2/26/2019 | 0.013 | | | | | | |
| 2/27/2019 | | 0.04 | 0.04 | 0.016 | 0.054 | 0.028 | 0.023 |
| 4/2/2019 | 0.011 | | | | | | |
| 4/3/2019 | | | 0.035 | 0.015 | 0.056 | 0.026 | |
| 4/4/2019 | | 0.04 | | | | | 0.022 |
| 9/18/2019 | 0.012 | | | | 0.062 | 0.025 | 0.026 |
| 9/19/2019 | | 0.038 | 0.033 | 0.016 | | | |
| 2/5/2020 | 0.012 | 0.061 | 0.047 | 0.016 | 0.052 | 0.077 | |
| 2/7/2020 | | | | | | | 0.022 |
| 3/17/2020 | 0.012 | | | | | | |
| 3/18/2020 | | 0.035 | 0.038 | 0.016 | | | 0.021 |
| 3/19/2020 | | | | | 0.072 | 0.031 | |
| 9/22/2020 | 0.013 | | | | | | |
| 9/23/2020 | | 0.035 | | 0.016 | | | 0.027 |
| 9/24/2020 | | | 0.061 | | 0.038 | 0.034 | |
| 2/2/2021 | 0.012 | | | | | | |
| 2/3/2021 | | | 0.039 | 0.015 | | | |
| 2/4/2021 | | 0.035 | | | 0.047 | 0.029 | 0.028 |
| 3/10/2021 | 0.011 | | | | | | |
| 3/11/2021 | | 0.033 | | | 0.049 | 0.032 | |

Time Series

Constituent: Barium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|---------|---------|---------|---------|----------|---------|
| 3/12/2021 | | | 0.045 | 0.017 | | | 0.028 |
| 8/24/2021 | 0.012 | | | | | | |
| 8/25/2021 | | | 0.04 | 0.016 | 0.046 | 0.03 | |
| 8/26/2021 | | 0.032 | | | | | 0.029 |
| 3/3/2022 | 0.012 | 0.033 | 0.04 | | 0.045 | 0.029 | 0.029 |
| 3/4/2022 | | | | 0.016 | | | |
| 8/16/2022 | 0.011 | | 0.038 | | | | |
| 8/17/2022 | | | | | | | 0.027 |
| 8/18/2022 | | | | 0.014 | 0.041 | | |
| 8/19/2022 | | 0.03 | | | | 0.026 | |
| 2/14/2023 | 0.011 | | | | | | |
| 2/15/2023 | | | | | | | 0.029 |
| 2/16/2023 | | 0.032 | 0.041 | 0.014 | 0.037 | 0.028 | |

Time Series

Constituent: Barium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|---------|---------|-------------|-------------|------------|---------|------------|
| 5/18/2016 | 0.0715 | 0.0219 | | | | | |
| 7/19/2016 | 0.069 | | | | | | |
| 7/20/2016 | | 0.019 | | | | | |
| 9/14/2016 | 0.066 | 0.017 | | | | | |
| 11/10/2016 | 0.069 | 0.02 | | | | | |
| 11/11/2016 | | | 0.0022 (J) | | | | |
| 1/20/2017 | | 0.018 | | | | | |
| 1/24/2017 | 0.068 | | | | | | |
| 2/6/2017 | | | 0.0018 (J) | | | | |
| 3/14/2017 | | 0.019 | | | | | |
| 3/15/2017 | 0.065 | | 0.0015 (J) | | | | |
| 4/11/2017 | | | 0.0014 (J) | | | | |
| 4/25/2017 | 0.057 | 0.023 | | | | | |
| 4/26/2017 | | | 0.0014 (J) | | | | |
| 6/7/2017 | | | 0.0014 (J) | | | | |
| 7/11/2017 | | | 0.0013 (J) | | | | |
| 8/9/2017 | 0.069 | 0.017 | | | | | |
| 8/10/2017 | | | 0.0012 (J) | | | | |
| 3/29/2018 | 0.05 | | 0.00097 (J) | | | | |
| 3/30/2018 | | 0.015 | | | | | |
| 6/14/2018 | 0.046 | 0.013 | 0.0011 (J) | | | | |
| 10/4/2018 | 0.046 | 0.013 | 0.0012 (J) | | | | |
| 2/26/2019 | | 0.012 | | | | | |
| 2/27/2019 | 0.028 | | | | | | |
| 2/28/2019 | | | <0.01 | | | | |
| 4/2/2019 | | | 0.0013 (J) | | | | |
| 4/4/2019 | 0.027 | 0.011 | | | | | |
| 9/18/2019 | 0.032 | 0.011 | <0.01 | | | | |
| 2/7/2020 | 0.034 | 0.011 | 0.0065 (J) | | | | |
| 3/18/2020 | 0.034 | 0.012 | | | | | |
| 5/4/2020 | | | <0.01 | | | | |
| 9/23/2020 | 0.037 | 0.012 | <0.01 | | | | |
| 2/3/2021 | | | <0.01 | | | | |
| 2/4/2021 | 0.039 | 0.012 | | | | | |
| 3/11/2021 | 0.037 | 0.011 | <0.01 | | | | |
| 8/25/2021 | 0.035 | 0.011 | | | | | |
| 8/26/2021 | | | <0.01 | <0.01 | 0.0086 (J) | 0.031 | 0.0078 (J) |
| 1/11/2022 | | | | | 0.0076 (J) | 0.04 | 0.0072 (J) |
| 1/12/2022 | | | | <0.01 | | | |
| 3/3/2022 | 0.041 | | <0.01 | | 0.0068 (J) | | |
| 3/4/2022 | | 0.011 | | <0.01 | | 0.038 | 0.0081 (J) |
| 6/6/2022 | | | | | 0.0079 (J) | | 0.0097 (J) |
| 6/7/2022 | | | | <0.01 | | 0.025 | |
| 8/16/2022 | | 0.011 | | | 0.0039 (J) | | |
| 8/17/2022 | 0.032 | | 0.0012 (J) | | | | 0.0089 (J) |
| 8/18/2022 | | | | 0.00091 (J) | | | |
| 8/19/2022 | | | | | | 0.023 | |
| 2/15/2023 | 0.044 | | | | | 0.033 | 0.0055 (J) |
| 2/16/2023 | | 0.01 | 0.00096 (J) | <0.01 | 0.0053 (J) | | |

Time Series

Constituent: Barium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|---------|---------|-------------|-------------|------------|------------|
| 5/19/2016 | | | 0.0026 | <0.01 | | |
| 7/20/2016 | | | 0.0017 (J) | 0.0014 (J) | | |
| 9/14/2016 | | | | 0.00092 (J) | | |
| 9/15/2016 | | | 0.0039 | | | |
| 11/14/2016 | | | 0.00085 (J) | | | |
| 2/6/2017 | | | 0.0011 (J) | | | |
| 2/9/2017 | | | | 0.0015 (J) | | |
| 3/15/2017 | | | 0.0013 (J) | 0.00054 (J) | | |
| 4/11/2017 | | | | 0.0007 (J) | | |
| 4/26/2017 | | | 0.00098 (J) | <0.01 | | |
| 8/10/2017 | | | 0.0025 | 0.00053 (J) | | |
| 3/29/2018 | | | 0.00085 (J) | <0.01 | | |
| 6/14/2018 | | | 0.0028 | 0.00088 (J) | | |
| 10/4/2018 | | | 0.0017 (J) | 0.00076 (J) | | |
| 2/27/2019 | | | <0.01 | | | |
| 2/28/2019 | | | | 0.0023 (J) | | |
| 4/3/2019 | | | 0.001 (J) | <0.01 | | |
| 9/19/2019 | | | <0.01 | 0.0018 (J) | | |
| 2/5/2020 | | | | 0.0022 (J) | | |
| 2/7/2020 | | | <0.01 | | | |
| 3/19/2020 | | | <0.01 | 0.0021 (J) | | |
| 9/22/2020 | | | <0.01 | | | |
| 9/23/2020 | | | | <0.01 | | |
| 2/3/2021 | | | <0.01 | | | |
| 2/4/2021 | | | | 0.0016 (J) | | |
| 3/11/2021 | | | <0.01 | | | |
| 3/12/2021 | | | | <0.01 | | |
| 8/26/2021 | 0.042 | 0.41 | <0.01 | <0.01 | | |
| 1/11/2022 | 0.029 | 0.38 | | | | |
| 3/3/2022 | 0.028 | | <0.01 | <0.01 | | |
| 3/4/2022 | | 0.38 | | | | |
| 6/6/2022 | 0.032 | | | | | |
| 6/7/2022 | | 0.34 | | | | |
| 8/16/2022 | | | 0.0014 (J) | | | |
| 8/17/2022 | | 0.31 | | <0.01 | | |
| 8/18/2022 | 0.041 | | | | | |
| 10/19/2022 | | | | | 0.0036 (J) | 0.0069 (J) |
| 2/15/2023 | 0.036 | 0.33 | | <0.01 | | |
| 2/16/2023 | | | 0.00093 (J) | | 0.0049 (J) | 0.0045 (J) |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | <0.0025 | <0.0025 | <0.0025 | | | | |
| 5/18/2016 | | | | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 7/19/2016 | <0.0025 | <0.0025 | <0.0025 | | | <0.0025 | <0.0025 |
| 7/20/2016 | | | | <0.0025 | <0.0025 | | |
| 9/13/2016 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | | <0.0025 |
| 9/14/2016 | | | | | | <0.0025 | |
| 11/9/2016 | <0.0025 | <0.0025 | <0.0025 | | | | <0.0025 |
| 11/10/2016 | | | | <0.0025 | <0.0025 | | |
| 1/17/2017 | <0.0025 | | <0.0025 | | | | |
| 1/18/2017 | | | | <0.0025 | <0.0025 | | <0.0025 |
| 1/19/2017 | | <0.0025 | | | | <0.0025 | |
| 3/13/2017 | <0.0025 | | <0.0025 | | | | |
| 3/14/2017 | | <0.0025 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 4/24/2017 | <0.0025 | | <0.0025 | | | | |
| 4/25/2017 | | <0.0025 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 8/8/2017 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | | | <0.0025 |
| 8/9/2017 | | | | | <0.0025 | <0.0025 | |
| 3/27/2018 | <0.0025 | | <0.0025 | | | | |
| 3/28/2018 | | <0.0025 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 6/13/2018 | <0.0025 | <0.0025 | | | | <0.0025 | <0.0025 |
| 6/14/2018 | | | <0.0025 | <0.0025 | <0.0025 | | |
| 9/24/2018 | | | <0.0025 | | | | |
| 9/27/2018 | <0.0025 | | | | | | |
| 9/28/2018 | | <0.0025 | | | | | |
| 10/2/2018 | | | | | | | <0.0025 |
| 10/3/2018 | | | | <0.0025 | <0.0025 | <0.0025 | |
| 2/25/2019 | <0.0025 | | <0.0025 | | | | |
| 2/26/2019 | | <0.0025 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 4/1/2019 | <0.0025 | | <0.0025 | | | | |
| 4/2/2019 | | <0.0025 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 9/16/2019 | 0.00032 (J) | | | | | 0.00036 (J) | 0.0011 |
| 9/17/2019 | | <0.0025 | 0.00019 (J) | | <0.0025 | | |
| 9/18/2019 | | | | <0.0025 | | | |
| 2/3/2020 | <0.0025 | | <0.0025 | | | | |
| 2/4/2020 | | | | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 2/5/2020 | | <0.0025 | | | | | |
| 3/16/2020 | 0.00071 (J) | | 0.00076 (J) | | | | |
| 3/17/2020 | | <0.0025 | | 0.00021 (J) | <0.0025 | <0.0025 | <0.0025 |
| 9/21/2020 | | | <0.0025 | <0.0025 | <0.0025 | | |
| 9/22/2020 | <0.0025 | <0.0025 | | | | <0.0025 | <0.0025 |
| 2/2/2021 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | | |
| 2/3/2021 | | | | | | <0.0025 | <0.0025 |
| 3/10/2021 | | <0.0025 | 0.00065 (J) | 0.00019 (J) | <0.0025 | <0.0025 | |
| 3/11/2021 | 0.00029 (J) | | | | | | <0.0025 |
| 8/23/2021 | | | <0.0025 | | | | |
| 8/24/2021 | <0.0025 | | | | <0.0025 | <0.0025 | <0.0025 |
| 8/25/2021 | | <0.0025 | | <0.0025 | | | |
| 2/28/2022 | | | | | <0.0025 | | |
| 3/1/2022 | <0.0025 | | <0.0025 | <0.0025 | | <0.0025 | <0.0025 |
| 3/3/2022 | | <0.0025 | | | | | |
| 8/15/2022 | <0.0025 | | <0.0025 | | | <0.0025 | <0.0025 |
| 8/16/2022 | | <0.0025 | | <0.0025 | <0.0025 | | |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|-----------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 2/14/2023 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | | <0.0025 | <0.0025 |
| 2/15/2023 | | | | | <0.0025 | | |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|---------|---------|---------|---------|-------------|---------|
| 5/18/2016 | <0.0025 | <0.0025 | | | | | <0.0025 |
| 5/19/2016 | | | <0.0025 | <0.0025 | <0.0025 | | |
| 7/19/2016 | <0.0025 | | | | | | <0.0025 |
| 7/20/2016 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | | |
| 9/13/2016 | <0.0025 | | | | | | |
| 9/14/2016 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | | <0.0025 |
| 11/10/2016 | <0.0025 | | | | <0.0025 | | <0.0025 |
| 11/11/2016 | | <0.0025 | <0.0025 | <0.0025 | | | |
| 1/18/2017 | <0.0025 | | | | | | |
| 1/24/2017 | | | | | | | <0.0025 |
| 1/27/2017 | | | <0.0025 | <0.0025 | <0.0025 | | |
| 2/6/2017 | | <0.0025 | | | | | |
| 2/8/2017 | | | | | | <0.0025 | |
| 2/23/2017 | | | | | | <0.0025 | |
| 3/14/2017 | <0.0025 | | | | | | <0.0025 |
| 3/15/2017 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | | |
| 3/17/2017 | | | | | | <0.0025 | |
| 4/11/2017 | | | | | | <0.0025 | |
| 4/25/2017 | <0.0025 | | | | | | <0.0025 |
| 4/26/2017 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | |
| 5/17/2017 | | | | | | <0.0025 | |
| 6/7/2017 | | | | | | <0.0025 | |
| 7/11/2017 | | | | | | <0.0025 | |
| 8/8/2017 | <0.0025 | | | | | | |
| 8/9/2017 | | | | | <0.0025 | | <0.0025 |
| 8/10/2017 | | <0.0025 | <0.0025 | <0.0025 | | | |
| 3/28/2018 | <0.0025 | | | | | | |
| 3/29/2018 | | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | |
| 3/30/2018 | | <0.0025 | | | | | <0.0025 |
| 6/14/2018 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 10/3/2018 | <0.0025 | | | | | | <0.0025 |
| 10/4/2018 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | |
| 2/26/2019 | <0.0025 | | | | | | |
| 2/27/2019 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | 0.00017 (J) | <0.0025 |
| 4/2/2019 | <0.0025 | | | | | | |
| 4/3/2019 | | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | |
| 4/4/2019 | | <0.0025 | | | | | <0.0025 |
| 9/18/2019 | <0.0025 | | | | <0.0025 | 0.00032 (J) | <0.0025 |
| 9/19/2019 | | <0.0025 | <0.0025 | <0.0025 | | | |
| 2/5/2020 | 0.00041 (J) | <0.0025 | <0.0025 | <0.0025 | <0.0025 | 0.00024 (J) | |
| 2/7/2020 | | | | | | | <0.0025 |
| 3/17/2020 | <0.0025 | | | | | | |
| 3/18/2020 | | <0.0025 | <0.0025 | <0.0025 | | | <0.0025 |
| 3/19/2020 | | | | | <0.0025 | 0.00025 (J) | |
| 9/22/2020 | <0.0025 | | | | | | |
| 9/23/2020 | | <0.0025 | | <0.0025 | | | <0.0025 |
| 9/24/2020 | | | <0.0025 | | <0.0025 | 0.00024 (J) | |
| 2/2/2021 | <0.0025 | | | | | | |
| 2/3/2021 | | | <0.0025 | <0.0025 | | | |
| 2/4/2021 | | <0.0025 | | | <0.0025 | 0.00026 (J) | <0.0025 |
| 3/10/2021 | <0.0025 | | | | | | |
| 3/11/2021 | | <0.0025 | | | <0.0025 | <0.0025 | |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|---------|---------|---------|---------|-------------|---------|
| 3/12/2021 | | | <0.0025 | <0.0025 | | | <0.0025 |
| 8/24/2021 | <0.0025 | | | | | | |
| 8/25/2021 | | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | |
| 8/26/2021 | | <0.0025 | | | | | <0.0025 |
| 3/3/2022 | <0.0025 | <0.0025 | <0.0025 | | <0.0025 | <0.0025 | <0.0025 |
| 3/4/2022 | | | | <0.0025 | | | |
| 8/16/2022 | <0.0025 | | <0.0025 | | | | |
| 8/17/2022 | | | | | | | <0.0025 |
| 8/18/2022 | | | | <0.0025 | <0.0025 | | |
| 8/19/2022 | | <0.0025 | | | | <0.0025 | |
| 2/14/2023 | <0.0025 | | | | | | |
| 2/15/2023 | | | | | | | <0.0025 |
| 2/16/2023 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | 0.00031 (J) | |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|-------------|---------|---------|---------|-------------|-------------|-------------|
| 5/18/2016 | <0.0025 | <0.0025 | | | | | |
| 7/19/2016 | <0.0025 | | | | | | |
| 7/20/2016 | | <0.0025 | | | | | |
| 9/14/2016 | <0.0025 | <0.0025 | | | | | |
| 11/10/2016 | <0.0025 | <0.0025 | | | | | |
| 11/11/2016 | | | <0.0025 | | | | |
| 1/20/2017 | | <0.0025 | | | | | |
| 1/24/2017 | <0.0025 | | | | | | |
| 2/6/2017 | | | <0.0025 | | | | |
| 3/14/2017 | | <0.0025 | | | | | |
| 3/15/2017 | <0.0025 | | <0.0025 | | | | |
| 4/11/2017 | | | <0.0025 | | | | |
| 4/25/2017 | <0.0025 | <0.0025 | | | | | |
| 4/26/2017 | | | <0.0025 | | | | |
| 6/7/2017 | | | <0.0025 | | | | |
| 7/11/2017 | | | <0.0025 | | | | |
| 8/9/2017 | <0.0025 | <0.0025 | | | | | |
| 8/10/2017 | | | <0.0025 | | | | |
| 3/29/2018 | <0.0025 | | <0.0025 | | | | |
| 3/30/2018 | | <0.0025 | | | | | |
| 6/14/2018 | <0.0025 | <0.0025 | <0.0025 | | | | |
| 10/4/2018 | <0.0025 | <0.0025 | <0.0025 | | | | |
| 2/26/2019 | | <0.0025 | | | | | |
| 2/27/2019 | 0.00022 (J) | | | | | | |
| 2/28/2019 | | | <0.0025 | | | | |
| 4/2/2019 | | | <0.0025 | | | | |
| 4/4/2019 | <0.0025 | <0.0025 | | | | | |
| 9/18/2019 | <0.0025 | <0.0025 | <0.0025 | | | | |
| 2/7/2020 | <0.0025 | <0.0025 | <0.0025 | | | | |
| 3/18/2020 | <0.0025 | <0.0025 | | | | | |
| 5/4/2020 | | | <0.0025 | | | | |
| 9/23/2020 | <0.0025 | <0.0025 | <0.0025 | | | | |
| 2/3/2021 | | | <0.0025 | | | | |
| 2/4/2021 | <0.0025 | <0.0025 | | | | | |
| 3/11/2021 | <0.0025 | <0.0025 | <0.0025 | | | | |
| 8/25/2021 | <0.0025 | <0.0025 | | | | | |
| 8/26/2021 | | | <0.0025 | 0.0081 | <0.0025 | 0.00053 (J) | 0.00089 (J) |
| 1/11/2022 | | | | | <0.0025 | 0.00057 (J) | 0.0012 (J) |
| 1/12/2022 | | | | 0.012 | | | |
| 3/3/2022 | <0.0025 | | <0.0025 | | <0.0025 | | |
| 3/4/2022 | | <0.0025 | | 0.01 | | 0.00066 (J) | 0.00097 (J) |
| 6/6/2022 | | | | | <0.0025 | | 0.0011 (J) |
| 6/7/2022 | | | | 0.0089 | | 0.00055 (J) | |
| 8/16/2022 | | <0.0025 | | | 0.00022 (J) | | |
| 8/17/2022 | <0.0025 | | <0.0025 | | | | 0.00078 (J) |
| 8/18/2022 | | | | 0.0081 | | | |
| 8/19/2022 | | | | | | 0.00063 (J) | |
| 2/15/2023 | <0.0025 | | | | | 0.00067 (J) | 0.0012 (J) |
| 2/16/2023 | | <0.0025 | <0.0025 | 0.011 | <0.0025 | | |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|---------|-------------|-------------|-------------|-------------|----------|
| 5/19/2016 | | | 0.00102 (J) | <0.0025 | | |
| 7/20/2016 | | | 0.0014 (J) | <0.0025 | | |
| 9/14/2016 | | | | <0.0025 | | |
| 9/15/2016 | | | 0.00093 (J) | | | |
| 11/14/2016 | | | 0.0014 (J) | | | |
| 2/6/2017 | | | 0.0017 (J) | | | |
| 2/9/2017 | | | | 0.00041 (J) | | |
| 3/15/2017 | | | 0.0016 (J) | <0.0025 | | |
| 4/11/2017 | | | | <0.0025 | | |
| 4/26/2017 | | | 0.0017 (J) | <0.0025 | | |
| 8/10/2017 | | | 0.0017 (J) | 0.00034 (J) | | |
| 3/29/2018 | | | 0.0018 (J) | <0.0025 | | |
| 6/14/2018 | | | 0.0015 (J) | <0.0025 | | |
| 10/4/2018 | | | 0.0019 (J) | 0.00036 (J) | | |
| 2/27/2019 | | | 0.0021 (J) | | | |
| 2/28/2019 | | | | 0.00031 (J) | | |
| 4/3/2019 | | | 0.0019 (J) | <0.0025 | | |
| 9/19/2019 | | | 0.0019 | 0.00041 (J) | | |
| 2/5/2020 | | | | 0.0004 (J) | | |
| 2/7/2020 | | | 0.0023 | | | |
| 3/19/2020 | | | 0.0028 | 0.00056 (J) | | |
| 9/22/2020 | | | 0.0025 | | | |
| 9/23/2020 | | | | 0.00034 (J) | | |
| 2/3/2021 | | | 0.0025 | | | |
| 2/4/2021 | | | | 0.00039 (J) | | |
| 3/11/2021 | | | 0.0022 (J) | | | |
| 3/12/2021 | | | | 0.00034 (J) | | |
| 8/26/2021 | 0.014 | 0.00028 (J) | 0.002 (J) | 0.00038 (J) | | |
| 1/11/2022 | 0.014 | 0.0002 (J) | | | | |
| 3/3/2022 | 0.01 | | 0.0027 | 0.00036 (J) | | |
| 3/4/2022 | | <0.0025 | | | | |
| 6/6/2022 | 0.0062 | | | | | |
| 6/7/2022 | | 0.0003 (J) | | | | |
| 8/16/2022 | | | 0.0018 (J) | | | |
| 8/17/2022 | | 0.00022 (J) | | 0.00033 (J) | | |
| 8/18/2022 | 0.0044 | | | | | |
| 10/19/2022 | | | | | 0.00054 (J) | 0.004 |
| 2/15/2023 | 0.0099 | 0.00026 (J) | | 0.00044 (J) | | |
| 2/16/2023 | | | 0.0025 | | 0.00046 (J) | 0.0079 |

Time Series

Constituent: Boron, total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | <0.08 | <0.08 | <0.08 | | | | |
| 5/18/2016 | | | | <0.08 | <0.08 | <0.08 | <0.08 |
| 7/19/2016 | <0.08 | <0.08 | <0.08 | | | <0.08 | <0.08 |
| 7/20/2016 | | | | <0.08 | <0.08 | | |
| 9/13/2016 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | | <0.08 |
| 9/14/2016 | | | | | | <0.08 | |
| 11/9/2016 | <0.08 | <0.08 | <0.08 | | | | <0.08 |
| 11/10/2016 | | | | <0.08 | <0.08 | | |
| 1/17/2017 | <0.08 | | <0.08 | | | | |
| 1/18/2017 | | | | <0.08 | <0.08 | | <0.08 |
| 1/19/2017 | | <0.08 | | | | <0.08 | |
| 3/13/2017 | <0.08 | | <0.08 | | | | |
| 3/14/2017 | | <0.08 | | <0.08 | <0.08 | <0.08 | <0.08 |
| 4/24/2017 | <0.08 | | <0.08 | | | | |
| 4/25/2017 | | <0.08 | | <0.08 | <0.08 | <0.08 | <0.08 |
| 8/8/2017 | <0.08 | <0.08 | <0.08 | <0.08 | | | <0.08 |
| 8/9/2017 | | | | | <0.08 | <0.08 | |
| 10/10/2017 | <0.08 | | <0.08 | | | | |
| 10/11/2017 | | <0.08 | | <0.08 | <0.08 | <0.08 | <0.08 |
| 6/13/2018 | <0.08 | <0.08 | | | | <0.08 | <0.08 |
| 6/14/2018 | | | <0.08 | <0.08 | <0.08 | | |
| 9/24/2018 | | | <0.08 | | | | |
| 9/27/2018 | <0.08 | | | | | | |
| 9/28/2018 | | <0.08 | | | | | |
| 10/2/2018 | | | | | | | <0.08 |
| 10/3/2018 | | | | <0.08 | <0.08 | <0.08 | |
| 4/1/2019 | <0.08 | | <0.08 | | | | |
| 4/2/2019 | | <0.08 | | <0.08 | <0.08 | <0.08 | <0.08 |
| 9/16/2019 | <0.08 | | | | | <0.08 | <0.08 |
| 9/17/2019 | | <0.08 | <0.08 | | <0.08 | | |
| 9/18/2019 | | | | <0.08 | | | |
| 3/16/2020 | <0.08 | | 0.048 (J) | | | | |
| 3/17/2020 | | <0.08 | | <0.08 | <0.08 | <0.08 | <0.08 |
| 9/21/2020 | | | <0.08 | <0.08 | <0.08 | | |
| 9/22/2020 | <0.08 | <0.08 | | | | <0.08 | <0.08 |
| 3/10/2021 | | <0.08 | 0.039 (J) | <0.08 | <0.08 | <0.08 | |
| 3/11/2021 | <0.08 | | | | | | <0.08 |
| 8/23/2021 | | | <0.08 | | | | |
| 8/24/2021 | <0.08 | | | | <0.08 | <0.08 | <0.08 |
| 8/25/2021 | | 0.1 | | <0.08 | | | |
| 2/28/2022 | | | | | <0.08 | | |
| 3/1/2022 | <0.08 | | <0.08 | <0.08 | | <0.08 | <0.08 |
| 3/3/2022 | | 0.1 | | | | | |
| 8/15/2022 | <0.08 | | 0.066 (J) | | | <0.08 | <0.08 |
| 8/16/2022 | | <0.08 | | <0.08 | <0.08 | | |
| 2/14/2023 | 0.026 (J) | <0.08 | 0.023 (J) | <0.08 | | 0.03 (J) | <0.08 |
| 2/15/2023 | | | | <0.08 | | | |

Time Series

Constituent: Boron, total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|-----------|-----------|-----------|------------|-----------|-----------|
| 5/18/2016 | <0.08 | <0.08 | | | | | <0.08 |
| 5/19/2016 | | | <0.08 | <0.08 | 0.0252 (J) | | |
| 7/19/2016 | <0.08 | | | | | | <0.08 |
| 7/20/2016 | | <0.08 | <0.08 | <0.08 | <0.08 | | |
| 9/13/2016 | <0.08 | | | | | | |
| 9/14/2016 | | <0.08 | <0.08 | <0.08 | <0.08 | | <0.08 |
| 11/10/2016 | <0.08 | | | | <0.08 | | <0.08 |
| 11/11/2016 | | <0.08 | <0.08 | <0.08 | | | |
| 1/18/2017 | <0.08 | | | | | | |
| 1/24/2017 | | | | | | | <0.08 |
| 1/27/2017 | | | 0.021 (J) | 0.047 (J) | 0.033 (J) | | |
| 2/6/2017 | | <0.08 | | | | | |
| 2/8/2017 | | | | | | <0.08 | |
| 2/23/2017 | | | | | | <0.08 | |
| 3/14/2017 | <0.08 | | | | | | <0.08 |
| 3/15/2017 | | 0.032 (J) | 0.058 | 0.024 (J) | <0.08 | | |
| 3/17/2017 | | | | | | <0.08 | |
| 4/11/2017 | | | | | | <0.08 | |
| 4/25/2017 | <0.08 | | | | | | <0.08 |
| 4/26/2017 | | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | |
| 5/17/2017 | | | | | | <0.08 | |
| 6/7/2017 | | | | | | <0.08 | |
| 7/11/2017 | | | | | | <0.08 | |
| 8/8/2017 | <0.08 | | | | | | |
| 8/9/2017 | | | | | <0.08 | | <0.08 |
| 8/10/2017 | | <0.08 | <0.08 | <0.08 | | | |
| 10/11/2017 | <0.08 | | | | | <0.08 | <0.08 |
| 10/12/2017 | | <0.08 | <0.08 | <0.08 | <0.08 | | |
| 6/14/2018 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 |
| 10/3/2018 | <0.08 | | | | | | <0.08 |
| 10/4/2018 | | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | |
| 4/2/2019 | <0.08 | | | | | | |
| 4/3/2019 | | | <0.08 | <0.08 | <0.08 | <0.08 | |
| 4/4/2019 | | 0.024 (J) | | | | | <0.08 |
| 9/18/2019 | <0.08 | | | | <0.08 | <0.08 | <0.08 |
| 9/19/2019 | | <0.08 | <0.08 | <0.08 | | | |
| 3/17/2020 | <0.08 | | | | | | |
| 3/18/2020 | | 0.049 (J) | <0.08 | 0.039 (J) | | | 0.071 (J) |
| 3/19/2020 | | | | | 0.053 (J) | 0.039 (J) | |
| 9/22/2020 | <0.08 | | | | | | |
| 9/23/2020 | | <0.08 | | <0.08 | | | <0.08 |
| 9/24/2020 | | | <0.08 | | <0.08 | <0.08 | |
| 3/10/2021 | <0.08 | | | | | | |
| 3/11/2021 | | <0.08 | | | <0.08 | <0.08 | |
| 3/12/2021 | | | <0.08 | <0.08 | | | <0.08 |
| 8/24/2021 | <0.08 | | | | | | |
| 8/25/2021 | | | <0.08 | <0.08 | 0.063 (J) | 0.043 (J) | |
| 8/26/2021 | | <0.08 | | | | | <0.08 |
| 3/3/2022 | <0.08 | <0.08 | <0.08 | | <0.08 | <0.08 | <0.08 |
| 3/4/2022 | | | | <0.08 | | | |
| 8/16/2022 | <0.08 | | <0.08 | | | | |
| 8/17/2022 | | | | | | | <0.08 |

Time Series

Constituent: Boron, total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|----------|---------|-----------|-----------|----------|---------|
| 8/18/2022 | | | | <0.08 | <0.08 | | |
| 8/19/2022 | | <0.08 | | | | <0.08 | |
| 2/14/2023 | 0.033 (J) | | | | | | |
| 2/15/2023 | | | | | | | <0.08 |
| 2/16/2023 | | 0.04 (J) | <0.08 | 0.024 (J) | 0.033 (J) | 0.03 (J) | |

Time Series

Constituent: Boron, total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|---------|-----------|-----------|---------|---------|---------|-----------|
| 5/18/2016 | 4.48 | <0.08 | | | | | |
| 7/19/2016 | 4.7 | | | | | | |
| 7/20/2016 | | <0.08 | | | | | |
| 9/14/2016 | 5.8 | <0.08 | | | | | |
| 11/10/2016 | 6.7 | <0.08 | | | | | |
| 11/11/2016 | | | <0.08 | | | | |
| 1/20/2017 | | <0.08 | | | | | |
| 1/24/2017 | 6.3 | | | | | | |
| 2/6/2017 | | | <0.08 | | | | |
| 3/14/2017 | | <0.08 | | | | | |
| 3/15/2017 | 5.9 | | 0.034 (J) | | | | |
| 4/11/2017 | | | <0.08 | | | | |
| 4/25/2017 | 6.2 | <0.08 | | | | | |
| 4/26/2017 | | | <0.08 | | | | |
| 6/7/2017 | | | <0.08 | | | | |
| 7/11/2017 | | | <0.08 | | | | |
| 8/9/2017 | 6.3 | <0.08 | | | | | |
| 8/10/2017 | | | <0.08 | | | | |
| 10/11/2017 | 6.8 | <0.08 | | | | | |
| 10/12/2017 | | | <0.08 | | | | |
| 6/14/2018 | 5.4 | <0.08 | <0.08 | | | | |
| 10/4/2018 | 5.5 | <0.08 | <0.08 | | | | |
| 4/2/2019 | | | <0.08 | | | | |
| 4/4/2019 | 3.2 | 0.049 (J) | | | | | |
| 9/18/2019 | 2.1 | <0.08 | <0.08 | | | | |
| 3/18/2020 | 2 | 0.049 (J) | | | | | |
| 5/4/2020 | | | <0.08 | | | | |
| 9/23/2020 | 1.5 | <0.08 | <0.08 | | | | |
| 3/8/2021 | | | | 1.3 | | | |
| 3/9/2021 | | | | | 0.19 | 0.33 | 0.073 (J) |
| 3/11/2021 | 1.1 | <0.08 | <0.08 | | | | |
| 4/7/2021 | | | | | 0.13 | | <0.08 |
| 4/8/2021 | | | | 0.98 | | 0.21 | |
| 8/25/2021 | 0.89 | <0.08 | | | | | |
| 8/26/2021 | | | <0.08 | 2.1 | 0.087 | 0.36 | 0.052 (J) |
| 1/11/2022 | | | | | 0.12 | 0.39 | 0.048 (J) |
| 1/12/2022 | | | | 4.9 | | | |
| 3/3/2022 | 0.79 | | <0.08 | | 0.12 | | |
| 3/4/2022 | | <0.08 | | 4.3 | | 0.41 | <0.08 |
| 6/6/2022 | | | | | 0.13 | | <0.08 |
| 6/7/2022 | | | | 2.8 | | 0.39 | |
| 8/16/2022 | | <0.08 | | | 0.099 | | |
| 8/17/2022 | 0.73 | | <0.08 | | | | <0.08 |
| 8/18/2022 | | | | 2.2 | | | |
| 8/19/2022 | | | | | | 0.33 | |
| 2/15/2023 | 0.86 | | | | | 0.39 | 0.049 (J) |
| 2/16/2023 | | <0.08 | <0.08 | 3.5 | 0.14 | | |

Time Series

Constituent: Boron, total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|---------|---------|--------|--------|---------|----------|
| 5/19/2016 | | | 1.42 | 0.314 | | |
| 7/20/2016 | | | 1.4 | 0.25 | | |
| 9/14/2016 | | | | 0.3 | | |
| 9/15/2016 | | | 1.2 | | | |
| 11/14/2016 | | | 1.3 | | | |
| 2/6/2017 | | | 1.8 | | | |
| 2/9/2017 | | | | 0.61 | | |
| 3/15/2017 | | | 1.7 | 0.42 | | |
| 4/11/2017 | | | | 0.37 | | |
| 4/26/2017 | | | 2 | 0.38 | | |
| 8/10/2017 | | | 1.8 | 0.29 | | |
| 10/12/2017 | | | 1.8 | 0.36 | | |
| 6/14/2018 | | | 1.7 | 0.39 | | |
| 10/4/2018 | | | 1.9 | 0.37 | | |
| 4/3/2019 | | | 1.7 | 0.35 | | |
| 9/19/2019 | | | 1.7 | 0.39 | | |
| 3/19/2020 | | | 2.2 | 0.55 | | |
| 9/22/2020 | | | 2.5 | | | |
| 9/23/2020 | | | | 0.68 | | |
| 3/8/2021 | | 0.48 | | | | |
| 3/9/2021 | 1.8 | | | | | |
| 3/11/2021 | | | 2.4 | | | |
| 3/12/2021 | | | | 0.64 | | |
| 4/7/2021 | 1.9 | | | | | |
| 4/8/2021 | | 0.43 | | | | |
| 8/26/2021 | 2.1 | 0.7 | 2.4 | 0.56 | | |
| 1/11/2022 | 1.7 | 0.87 | | | | |
| 3/3/2022 | 1.6 | | 2.7 | 0.62 | | |
| 3/4/2022 | | 0.72 | | | | |
| 6/6/2022 | 0.64 | | | | | |
| 6/7/2022 | | 0.78 | | | | |
| 8/16/2022 | | | 2.3 | | | |
| 8/17/2022 | | 0.82 | | 0.55 | | |
| 8/18/2022 | 0.44 | | | | | |
| 10/19/2022 | | | | | 0.098 | 2.9 |
| 2/15/2023 | 1.4 | 0.89 | | 0.69 | | |
| 2/16/2023 | | | 2.8 | | 0.22 | 3.9 |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | <0.0025 | <0.0025 | <0.0025 | | | | |
| 5/18/2016 | | | | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 7/19/2016 | <0.0025 | <0.0025 | <0.0025 | | | <0.0025 | <0.0025 |
| 7/20/2016 | | | | <0.0025 | <0.0025 | | |
| 9/13/2016 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | | <0.0025 |
| 9/14/2016 | | | | | | <0.0025 | |
| 11/9/2016 | <0.0025 | <0.0025 | <0.0025 | | | | <0.0025 |
| 11/10/2016 | | | | <0.0025 | <0.0025 | | |
| 1/17/2017 | <0.0025 | | <0.0025 | | | | |
| 1/18/2017 | | | | <0.0025 | <0.0025 | | <0.0025 |
| 1/19/2017 | | <0.0025 | | | | <0.0025 | |
| 3/13/2017 | <0.0025 | | <0.0025 | | | | |
| 3/14/2017 | | <0.0025 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 4/24/2017 | <0.0025 | | <0.0025 | | | | |
| 4/25/2017 | | <0.0025 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 8/8/2017 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | | | <0.0025 |
| 8/9/2017 | | | | | <0.0025 | <0.0025 | |
| 3/27/2018 | <0.0025 | | <0.0025 | | | | |
| 3/28/2018 | | <0.0025 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 6/13/2018 | <0.0025 | <0.0025 | | | | <0.0025 | <0.0025 |
| 6/14/2018 | | | <0.0025 | <0.0025 | <0.0025 | | |
| 9/24/2018 | | | <0.0025 | | | | |
| 9/27/2018 | <0.0025 | | | | | | |
| 9/28/2018 | | <0.0025 | | | | | |
| 10/2/2018 | | | | | | | <0.0025 |
| 10/3/2018 | | | | <0.0025 | <0.0025 | <0.0025 | |
| 2/25/2019 | <0.0025 | | <0.0025 | | | | |
| 2/26/2019 | | <0.0025 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 4/1/2019 | <0.0025 | | <0.0025 | | | | |
| 4/2/2019 | | <0.0025 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 9/16/2019 | <0.0025 | | | | | <0.0025 | <0.0025 |
| 9/17/2019 | | <0.0025 | <0.0025 | | <0.0025 | | |
| 9/18/2019 | | | | <0.0025 | | | |
| 2/3/2020 | <0.0025 | | <0.0025 | | | | |
| 2/4/2020 | | | | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 2/5/2020 | | <0.0025 | | | | | |
| 3/16/2020 | <0.0025 | | <0.0025 | | | | |
| 3/17/2020 | | <0.0025 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 9/21/2020 | | | <0.0025 | <0.0025 | <0.0025 | | |
| 9/22/2020 | <0.0025 | <0.0025 | | | | <0.0025 | <0.0025 |
| 2/2/2021 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | | |
| 2/3/2021 | | | | | | <0.0025 | <0.0025 |
| 2/28/2022 | | | | | <0.0025 | | |
| 3/1/2022 | <0.0025 | | <0.0025 | <0.0025 | | <0.0025 | <0.0025 |
| 3/3/2022 | | <0.0025 | | | | | |
| 8/15/2022 | <0.0025 | | <0.0025 | | | <0.0025 | <0.0025 |
| 8/16/2022 | | <0.0025 | | <0.0025 | <0.0025 | | |
| 2/14/2023 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | | <0.0025 | <0.0025 |
| 2/15/2023 | | | | | <0.0025 | | |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|-------------|---------|---------|---------|----------|---------|
| 5/18/2016 | <0.0025 | <0.0025 | | | | | <0.0025 |
| 5/19/2016 | | | <0.0025 | <0.0025 | <0.0025 | | |
| 7/19/2016 | <0.0025 | | | | | | <0.0025 |
| 7/20/2016 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | | |
| 9/13/2016 | <0.0025 | | | | | | |
| 9/14/2016 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | | <0.0025 |
| 11/10/2016 | <0.0025 | | | | <0.0025 | | <0.0025 |
| 11/11/2016 | | <0.0025 | <0.0025 | <0.0025 | | | |
| 1/18/2017 | <0.0025 | | | | | | |
| 1/24/2017 | | | | | | | <0.0025 |
| 1/27/2017 | | | <0.0025 | <0.0025 | <0.0025 | | |
| 2/6/2017 | | <0.0025 | | | | | |
| 2/8/2017 | | | | | | <0.0025 | |
| 2/23/2017 | | | | | | <0.0025 | |
| 3/14/2017 | <0.0025 | | | | | | <0.0025 |
| 3/15/2017 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | | |
| 3/17/2017 | | | | | | <0.0025 | |
| 4/11/2017 | | | | | | <0.0025 | |
| 4/25/2017 | <0.0025 | | | | | | <0.0025 |
| 4/26/2017 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | |
| 5/17/2017 | | | | | | <0.0025 | |
| 6/7/2017 | | | | | | <0.0025 | |
| 7/11/2017 | | | | | | <0.0025 | |
| 8/8/2017 | <0.0025 | | | | | | |
| 8/9/2017 | | | | | <0.0025 | | <0.0025 |
| 8/10/2017 | | <0.0025 | <0.0025 | <0.0025 | | | |
| 3/28/2018 | <0.0025 | | | | | | |
| 3/29/2018 | | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | |
| 3/30/2018 | | <0.0025 | | | | | <0.0025 |
| 6/14/2018 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 10/3/2018 | <0.0025 | | | | | | <0.0025 |
| 10/4/2018 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | |
| 2/26/2019 | <0.0025 | | | | | | |
| 2/27/2019 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 4/2/2019 | <0.0025 | | | | | | |
| 4/3/2019 | | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | |
| 4/4/2019 | | <0.0025 | | | | | <0.0025 |
| 9/18/2019 | <0.0025 | | | | <0.0025 | <0.0025 | <0.0025 |
| 9/19/2019 | | 0.00021 (J) | <0.0025 | <0.0025 | | | |
| 2/5/2020 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | |
| 2/7/2020 | | | | | | | <0.0025 |
| 3/17/2020 | <0.0025 | | | | | | |
| 3/18/2020 | | <0.0025 | <0.0025 | <0.0025 | | | <0.0025 |
| 3/19/2020 | | | | | <0.0025 | <0.0025 | |
| 9/22/2020 | <0.0025 | | | | | | |
| 9/23/2020 | | <0.0025 | | <0.0025 | | | <0.0025 |
| 9/24/2020 | | | <0.0025 | | <0.0025 | <0.0025 | |
| 2/2/2021 | <0.0025 | | | | | | |
| 2/3/2021 | | | <0.0025 | <0.0025 | | | |
| 2/4/2021 | | <0.0025 | | | <0.0025 | <0.0025 | <0.0025 |
| 3/3/2022 | <0.0025 | <0.0025 | <0.0025 | | <0.0025 | <0.0025 | <0.0025 |
| 3/4/2022 | | | | <0.0025 | | | |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|---------|---------|---------|---------|----------|---------|
| 8/16/2022 | <0.0025 | | <0.0025 | | | | |
| 8/17/2022 | | | | | | | <0.0025 |
| 8/18/2022 | | | | <0.0025 | <0.0025 | | |
| 8/19/2022 | | <0.0025 | | | | <0.0025 | |
| 2/14/2023 | <0.0025 | | | | | | |
| 2/15/2023 | | | | | | | <0.0025 |
| 2/16/2023 | | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|--------------|---------|---------|-------------|---------|-------------|---------|
| 5/18/2016 | 0.000362 (J) | <0.0025 | | | | | |
| 7/19/2016 | <0.0025 | | | | | | |
| 7/20/2016 | | <0.0025 | | | | | |
| 9/14/2016 | 0.00037 (J) | <0.0025 | | | | | |
| 11/10/2016 | <0.0025 | <0.0025 | | | | | |
| 11/11/2016 | | | <0.0025 | | | | |
| 1/20/2017 | | <0.0025 | | | | | |
| 1/24/2017 | 0.00055 (J) | | | | | | |
| 2/6/2017 | | | <0.0025 | | | | |
| 3/14/2017 | | <0.0025 | | | | | |
| 3/15/2017 | 0.00067 (J) | | <0.0025 | | | | |
| 4/11/2017 | | | <0.0025 | | | | |
| 4/25/2017 | 0.00058 (J) | <0.0025 | | | | | |
| 4/26/2017 | | | <0.0025 | | | | |
| 6/7/2017 | | | <0.0025 | | | | |
| 7/11/2017 | | | <0.0025 | | | | |
| 8/9/2017 | 0.00054 (J) | <0.0025 | | | | | |
| 8/10/2017 | | | <0.0025 | | | | |
| 3/29/2018 | 0.00082 (J) | | <0.0025 | | | | |
| 3/30/2018 | | <0.0025 | | | | | |
| 6/14/2018 | 0.0007 (J) | <0.0025 | <0.0025 | | | | |
| 10/4/2018 | 0.00065 (J) | <0.0025 | <0.0025 | | | | |
| 2/26/2019 | | <0.0025 | | | | | |
| 2/27/2019 | 0.00055 (J) | | | | | | |
| 2/28/2019 | | | <0.0025 | | | | |
| 4/2/2019 | | | <0.0025 | | | | |
| 4/4/2019 | 0.00047 (J) | <0.0025 | | | | | |
| 9/18/2019 | 0.00017 (J) | <0.0025 | <0.0025 | | | | |
| 2/7/2020 | <0.0025 | <0.0025 | <0.0025 | | | | |
| 3/18/2020 | 0.00022 (J) | <0.0025 | | | | | |
| 5/4/2020 | | | <0.0025 | | | | |
| 9/23/2020 | <0.0025 | <0.0025 | <0.0025 | | | | |
| 2/3/2021 | | | <0.0025 | | | | |
| 2/4/2021 | <0.0025 | <0.0025 | | | | | |
| 8/26/2021 | | | | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| 1/11/2022 | | | | | <0.0025 | <0.0025 | <0.0025 |
| 1/12/2022 | | | | 0.00026 (J) | | | |
| 3/3/2022 | <0.0025 | | <0.0025 | | <0.0025 | | |
| 3/4/2022 | | <0.0025 | | <0.0025 | | 0.00025 (J) | <0.0025 |
| 6/6/2022 | | | | | <0.0025 | | <0.0025 |
| 6/7/2022 | | | | <0.0025 | | <0.0025 | |
| 8/16/2022 | | <0.0025 | | | <0.0025 | | |
| 8/17/2022 | <0.0025 | | <0.0025 | | | | <0.0025 |
| 8/18/2022 | | | | <0.0025 | | | |
| 8/19/2022 | | | | | | 9E-05 (J) | |
| 2/15/2023 | 8.5E-05 (J) | | | | | 0.00028 (J) | <0.0025 |
| 2/16/2023 | | <0.0025 | <0.0025 | 0.00057 (J) | <0.0025 | | |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|-------------|-------------|-------------|---------|-----------|-------------|
| 5/19/2016 | | | <0.0025 | <0.0025 | | |
| 7/20/2016 | | | <0.0025 | <0.0025 | | |
| 9/14/2016 | | | | <0.0025 | | |
| 9/15/2016 | | | <0.0025 | | | |
| 11/14/2016 | | | <0.0025 | | | |
| 2/6/2017 | | | <0.0025 | | | |
| 2/9/2017 | | | | <0.0025 | | |
| 3/15/2017 | | | <0.0025 | <0.0025 | | |
| 4/11/2017 | | | | <0.0025 | | |
| 4/26/2017 | | | <0.0025 | <0.0025 | | |
| 8/10/2017 | | | <0.0025 | <0.0025 | | |
| 3/29/2018 | | | <0.0025 | <0.0025 | | |
| 6/14/2018 | | | <0.0025 | <0.0025 | | |
| 10/4/2018 | | | <0.0025 | <0.0025 | | |
| 2/27/2019 | | | <0.0025 | | | |
| 2/28/2019 | | | | <0.0025 | | |
| 4/3/2019 | | | <0.0025 | <0.0025 | | |
| 9/19/2019 | | | <0.0025 | <0.0025 | | |
| 2/5/2020 | | | | <0.0025 | | |
| 2/7/2020 | | | <0.0025 | | | |
| 3/19/2020 | | | <0.0025 | <0.0025 | | |
| 9/22/2020 | | | <0.0025 | | | |
| 9/23/2020 | | | | <0.0025 | | |
| 2/3/2021 | | | <0.0025 | | | |
| 2/4/2021 | | | | <0.0025 | | |
| 8/26/2021 | 0.00061 (J) | <0.0025 | | | | |
| 1/11/2022 | 0.0004 (J) | <0.0025 | | | | |
| 3/3/2022 | 0.0003 (J) | | <0.0025 | <0.0025 | | |
| 3/4/2022 | | <0.0025 | | | | |
| 6/6/2022 | 0.0003 (J) | | | | | |
| 6/7/2022 | | <0.0025 | | | | |
| 8/16/2022 | | | <0.0025 | | | |
| 8/17/2022 | | 0.00012 (J) | | <0.0025 | | |
| 8/18/2022 | 0.00015 (J) | | | | | |
| 10/19/2022 | | | | | <0.0025 | 0.00014 (J) |
| 2/15/2023 | 0.00057 (J) | 0.0001 (J) | | <0.0025 | | |
| 2/16/2023 | | | 0.00065 (J) | | 8E-05 (J) | 0.00018 (J) |

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | 0.927 | 23.7 | 12.2 | | | | |
| 5/18/2016 | | | | 2.1 | 17.9 | 1.7 | 27 |
| 7/19/2016 | 1 | 23 | 13 | | | 1.5 | 23 |
| 7/20/2016 | | | | 1.7 | 15 | | |
| 9/13/2016 | 0.44 | 23 | 13 | 1.3 | 16 | | 25 |
| 9/14/2016 | | | | | | 52 | |
| 11/9/2016 | 1.1 | 6.7 | 19 | | | | 25 |
| 11/10/2016 | | | | 1.6 | 15 | | |
| 1/17/2017 | 1.4 | | 28 | | | | |
| 1/18/2017 | | | | 1.7 | 17 | | 26 |
| 1/19/2017 | | 8.5 | | | | 13 | |
| 3/13/2017 | 1.1 | | 14 | | | | |
| 3/14/2017 | | 13 | | 1.8 | 17 | 1.6 | 20 |
| 4/24/2017 | 1.1 | | 12 | | | | |
| 4/25/2017 | | 23 | | 2 | 17 | 1.5 | 28 |
| 8/8/2017 | 1.1 | 24 | 18 | 2 | | | 26 |
| 8/9/2017 | | | | | 15 | 1.3 | |
| 10/10/2017 | 1.2 | | 21 | | | | |
| 10/11/2017 | | 23 | | 2.1 | 17 | 1.5 | 29 |
| 6/13/2018 | 1.1 | 11 | | | | 1.2 | 25 |
| 6/14/2018 | | | 12 | 2 | 15 | | |
| 9/24/2018 | | | 11 | | | | |
| 9/27/2018 | 1.2 | | | | | | |
| 9/28/2018 | | 11 | | | | | |
| 10/2/2018 | | | | | | | 26 |
| 10/3/2018 | | | | 1.8 | 16 | 1.4 | |
| 4/1/2019 | 1 | | 12 | | | | |
| 4/2/2019 | | 20 | | 1.8 | 15 | 1.1 | 25 |
| 9/16/2019 | 1.3 | | | | | 36 | 25 |
| 9/17/2019 | | 10 | 13 | | 16 | | |
| 9/18/2019 | | | | 1.6 | | | |
| 3/16/2020 | 1.1 | | 10 | | | | |
| 3/17/2020 | | 10 | | 1.7 | 15 | 1.4 | 26 |
| 9/21/2020 | | | 13 | 1.8 | 16 | | |
| 9/22/2020 | 1.2 | 19 | | | | 58 | 25 |
| 3/10/2021 | | 7.7 | 11 | 1.9 | 16 | 1.3 | |
| 3/11/2021 | 1.3 | | | | | | 26 |
| 8/23/2021 | | | 13 | | | | |
| 8/24/2021 | 1.2 | | | | 15 | 47 | 26 |
| 8/25/2021 | | 16 | | 1.7 | | | |
| 2/28/2022 | | | | | 14 | | |
| 3/1/2022 | 1.1 | | 13 | 1.6 | | 2.1 | 22 |
| 3/3/2022 | | 6.1 | | | | | |
| 8/15/2022 | 1.2 | | 12 | | | 51 | 24 |
| 8/16/2022 | | 8.8 | | 1.8 | 16 | | |
| 2/14/2023 | 1.4 | 5.7 | 12 | 2 | | 1.3 | 29 |
| 2/15/2023 | | | | | 18 | | |

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|---------|---------|---------|---------|----------|---------|
| 5/18/2016 | 1.36 | 7.17 | | | | | 32.5 |
| 5/19/2016 | | | 1.95 | 15.8 | 11.4 | | |
| 7/19/2016 | 0.88 | | | | | | 30 |
| 7/20/2016 | | 7 | 1.5 | 14 | 7.1 | | |
| 9/13/2016 | 0.93 | | | | | | |
| 9/14/2016 | | 7.7 | 1.8 | 16 | 7.4 | | 37 |
| 11/10/2016 | 6.1 | | | | 6.4 | | 29 |
| 11/11/2016 | | 8.2 | 1.7 | 15 | | | |
| 1/18/2017 | 10 | | | | | | |
| 1/24/2017 | | | | | | | 28 |
| 1/27/2017 | | | 3.5 | 16 | 6.2 | | |
| 2/6/2017 | | 9.1 | | | | | |
| 2/8/2017 | | | | | | 3.2 | |
| 2/23/2017 | | | | | | 4.1 | |
| 3/14/2017 | 1.3 | | | | | | 29 |
| 3/15/2017 | | 9 | 3.8 | 16 | 6.7 | | |
| 3/17/2017 | | | | | | 2.4 | |
| 4/11/2017 | | | | | | 4.1 | |
| 4/25/2017 | 1.9 | | | | | | 32 |
| 4/26/2017 | | 8.1 | 4 | 3 | 6.5 | 2.5 | |
| 5/17/2017 | | | | | | 5.2 | |
| 6/7/2017 | | | | | | 5.2 | |
| 7/11/2017 | | | | | | 2.3 | |
| 8/8/2017 | 4.8 | | | | | | |
| 8/9/2017 | | | | | 7 | | 30 |
| 8/10/2017 | | 8.1 | 3.5 | 15 | | | |
| 10/11/2017 | 0.93 | | | | | 3.8 | 31 |
| 10/12/2017 | | 8.6 | 2.7 | 16 | 7 | | |
| 6/14/2018 | 0.94 | 7.7 | 2.2 | 13 | 5.5 | 1.1 | 29 |
| 10/3/2018 | 1.2 | | | | | | 31 |
| 10/4/2018 | | 8.5 | 2 | 15 | 5.9 | 2 | |
| 4/2/2019 | 1.1 | | | | | | |
| 4/3/2019 | | | 1.7 | 14 | 4.7 | 0.84 | |
| 4/4/2019 | | 7.9 | | | | | 30 |
| 9/18/2019 | 1.5 | | | | 4.9 | 0.85 | 31 |
| 9/19/2019 | | 7.5 | 1.4 | 14 | | | |
| 3/17/2020 | 0.82 | | | | | | |
| 3/18/2020 | | 7.5 | 1.6 | 14 | | | 30 |
| 3/19/2020 | | | | | 5 | 0.89 | |
| 9/22/2020 | 0.89 | | | | | | |
| 9/23/2020 | | 7.7 | | 13 | | | 32 |
| 9/24/2020 | | | 5.2 | | 1.4 | 0.99 | |
| 3/10/2021 | 0.89 | | | | | | |
| 3/11/2021 | | 7.9 | | | 4 | 0.79 | |
| 3/12/2021 | | | 1.6 | 15 | | | 31 |
| 8/24/2021 | 1.7 | | | | | | |
| 8/25/2021 | | | 1.5 | 14 | 4 | 0.7 | |
| 8/26/2021 | | 7.6 | | | | | 31 |
| 3/3/2022 | 1.4 | 7.1 | 1.3 | | 3.4 | 0.65 | 28 |
| 3/4/2022 | | | | 12 | | | |
| 8/16/2022 | 0.94 | | 1.6 | | | | |
| 8/17/2022 | | | | | | | 29 |

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|---------|---------|---------|---------|----------|---------|
| 8/18/2022 | | | | 13 | 3.5 | | |
| 8/19/2022 | | 7.3 | | | | 0.64 | |
| 2/14/2023 | 1.3 | | | | | | |
| 2/15/2023 | | | | | | | 31 |
| 2/16/2023 | | 6.9 | 1.7 | 12 | 3.8 | 0.69 | |

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|---------|---------|---------|---------|---------|---------|---------|
| 5/18/2016 | 168 | 8.24 | | | | | |
| 7/19/2016 | 190 | | | | | | |
| 7/20/2016 | | 11 | | | | | |
| 9/14/2016 | 230 | 12 | | | | | |
| 11/10/2016 | 240 | 11 | | | | | |
| 11/11/2016 | | | 12 | | | | |
| 1/20/2017 | | 10 | | | | | |
| 1/24/2017 | 280 | | | | | | |
| 2/6/2017 | | | 11 | | | | |
| 3/14/2017 | | 8.8 | | | | | |
| 3/15/2017 | 260 | | 10 | | | | |
| 4/11/2017 | | | 11 | | | | |
| 4/25/2017 | 300 | 12 | | | | | |
| 4/26/2017 | | | 8.4 | | | | |
| 6/7/2017 | | | 9 | | | | |
| 7/11/2017 | | | 9.5 | | | | |
| 8/9/2017 | 350 | 11 | | | | | |
| 8/10/2017 | | | 8.8 | | | | |
| 10/11/2017 | 360 | 10 | | | | | |
| 10/12/2017 | | | 9.5 | | | | |
| 6/14/2018 | 260 | 6.2 | 8.9 | | | | |
| 10/4/2018 | 250 | 6.4 | 10 | | | | |
| 4/2/2019 | | | 11 | | | | |
| 4/4/2019 | 110 | 5.6 | | | | | |
| 9/18/2019 | 62 | 5.5 | 8.8 | | | | |
| 3/18/2020 | 66 | 6.3 | | | | | |
| 5/4/2020 | | | 15 | | | | |
| 9/23/2020 | 43 | 5.9 | 13 | | | | |
| 3/8/2021 | | | | 90 | | | |
| 3/9/2021 | | | | | 66 | 15 | 3.2 |
| 3/11/2021 | 32 | 5.7 | 15 | | | | |
| 4/7/2021 | | | | | 67 | | 2.7 |
| 4/8/2021 | | | | 88 | | 14 | |
| 8/25/2021 | 27 | 6 | | | | | |
| 8/26/2021 | | | 10 | 120 | 51 | 24 | 4.6 |
| 1/11/2022 | | | | | 57 | 32 | 3.1 |
| 1/12/2022 | | | | 220 | | | |
| 3/3/2022 | 24 | | 12 | | 54 | | |
| 3/4/2022 | | 5.3 | | 200 | | 31 | 4 |
| 6/6/2022 | | | | | 58 | | 4.5 |
| 6/7/2022 | | | | 140 | | 19 | |
| 8/16/2022 | | 5.6 | | | 55 | | |
| 8/17/2022 | 20 | | 9.8 | | | | 4.6 |
| 8/18/2022 | | | | 110 | | | |
| 8/19/2022 | | | | | | 18 | |
| 2/15/2023 | 26 | | | | | 26 | 2.4 |
| 2/16/2023 | | 6 | 13 | 190 | 68 | | |

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|---------|---------|--------|--------|---------|----------|
| 5/19/2016 | | | 31.4 | 8.53 | | |
| 7/20/2016 | | | 28 | 8.2 | | |
| 9/14/2016 | | | | 8.8 | | |
| 9/15/2016 | | | 27 | | | |
| 11/14/2016 | | | 32 | | | |
| 2/6/2017 | | | 41 | | | |
| 2/9/2017 | | | | 10 | | |
| 3/15/2017 | | | 38 | 8.6 | | |
| 4/11/2017 | | | | 8.6 | | |
| 4/26/2017 | | | 39 | 7.1 | | |
| 8/10/2017 | | | 53 | 7.5 | | |
| 10/12/2017 | | | 60 | 8.2 | | |
| 6/14/2018 | | | 52 | 7.5 | | |
| 10/4/2018 | | | 65 | 8 | | |
| 4/3/2019 | | | 61 | 7.2 | | |
| 9/19/2019 | | | 57 | 8.1 | | |
| 3/19/2020 | | | 79 | 9.3 | | |
| 9/22/2020 | | | 81 | | | |
| 9/23/2020 | | | | 10 | | |
| 3/8/2021 | | 14 | | | | |
| 3/9/2021 | 65 | | | | | |
| 3/11/2021 | | | 83 | | | |
| 3/12/2021 | | | | 11 | | |
| 4/7/2021 | 71 | | | | | |
| 4/8/2021 | | 16 | | | | |
| 8/26/2021 | 69 | 16 | 85 | 9.3 | | |
| 1/11/2022 | 51 | 16 | | | | |
| 3/3/2022 | 42 | | 88 | 8.6 | | |
| 3/4/2022 | | 16 | | | | |
| 6/6/2022 | 22 | | | | | |
| 6/7/2022 | | 15 | | | | |
| 8/16/2022 | | | 83 | | | |
| 8/17/2022 | | 15 | | 9 | | |
| 8/18/2022 | 16 | | | | | |
| 10/19/2022 | | | | | 5.9 | 130 |
| 2/15/2023 | 39 | 18 | | 11 | | |
| 2/16/2023 | | | 92 | | 19 | 180 |

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | 3.8 | 6.05 | 2.5 | | | | |
| 5/18/2016 | | | | 1.92 | 1.45 | 2.14 | 1.58 |
| 7/19/2016 | 3.9 | 4 | 2.6 | | | 2.4 | 1.6 |
| 7/20/2016 | | | | 1.8 | 1.4 | | |
| 9/13/2016 | 3.6 | 3.1 | 2.4 | 1.7 | 1.4 | | 1.4 |
| 9/14/2016 | | | | | | 2.1 | |
| 11/9/2016 | 3.9 | 2.3 | 2.3 | | | | 1.5 |
| 11/10/2016 | | | | 1.6 | 1.3 | | |
| 1/17/2017 | 3.8 | | 2.3 | | | | |
| 1/18/2017 | | | | 1.7 | 1.3 | | 1.5 |
| 1/19/2017 | | 2 | | | | 1.8 | |
| 3/13/2017 | 3.4 | | 2.2 | | | | |
| 3/14/2017 | | 1.9 | | 1.6 | 1.2 | 2 | 2.5 |
| 4/24/2017 | 3.4 | | 2.2 | | | | |
| 4/25/2017 | | 1.9 | | 1.6 | 1.2 | 1.8 | 1.3 |
| 8/8/2017 | 3.6 | 2 | 2.3 | 1.7 | | | 1.4 |
| 8/9/2017 | | | | | 1.2 | 1.9 | |
| 10/10/2017 | 3.6 | | 2.5 | | | | |
| 10/11/2017 | | 1.9 | | 1.6 | 1.2 | 2.1 | 1.3 |
| 6/13/2018 | 3.8 | 2 | | | | 1.7 | 1.4 |
| 6/14/2018 | | | 2.3 | 1.6 | 1.2 | | |
| 9/24/2018 | | | 2.4 | | | | |
| 9/27/2018 | 4 | | | | | | |
| 9/28/2018 | | 2.1 | | | | | |
| 10/2/2018 | | | | | | | 1.4 |
| 10/3/2018 | | | | 1.6 | 1.2 | 1.8 | |
| 4/1/2019 | 4 | | 2.4 | | | | |
| 4/2/2019 | | 2.6 | | 1.7 | 1.2 | 1.7 | 1.5 |
| 9/16/2019 | 4 | | | | | 1.8 | 1.5 |
| 9/17/2019 | | 2 | 2.4 | | 1.2 | | |
| 9/18/2019 | | | | 1.7 | | | |
| 3/16/2020 | 4.3 | | 2.7 | | | | |
| 3/17/2020 | | 2.3 | | 1.8 | 1.4 | 1.6 | 1.7 |
| 9/21/2020 | | | 2.5 | 1.5 | 1.2 | | |
| 9/22/2020 | 4 | 2.1 | | | | 1.5 | 1.4 |
| 3/10/2021 | | 1.9 | 2.6 | 1.8 | 1.2 | 1.8 | |
| 3/11/2021 | 4.5 | | | | | | 1.5 |
| 8/23/2021 | | | 3.3 | | | | |
| 8/24/2021 | 5.1 | | | | 1.5 | 2.1 | 1.8 |
| 8/25/2021 | | 2.3 | | 1.9 | | | |
| 2/28/2022 | | | | | 1.2 | | |
| 3/1/2022 | 4.1 | | 2.7 | 1.8 | | 1.5 | 1.5 |
| 3/3/2022 | | 2 | | | | | |
| 8/15/2022 | 4 | | 2.7 | | | 1.5 | 1.5 |
| 8/16/2022 | | 1.9 | | 1.6 | 1.2 | | |
| 2/14/2023 | 3.9 | 1.9 | 2.6 | 1.6 | | 1.3 | 1.5 |
| 2/15/2023 | | | | | 1.2 | | |

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|---------|---------|---------|---------|----------|---------|
| 5/18/2016 | 2.06 | 1.45 | | | | | 4.59 |
| 5/19/2016 | | | 3.21 | 3.8 | 2.26 | | |
| 7/19/2016 | 2.1 | | | | | | 5.9 |
| 7/20/2016 | | 1.6 | 3.4 | 3.8 | 1.9 | | |
| 9/13/2016 | 2 | | | | | | |
| 9/14/2016 | | 1.5 | 3.1 | 3.7 | 1.6 | | 7.9 |
| 11/10/2016 | 1.8 | | | | 1.4 | | 6.5 |
| 11/11/2016 | | 1.5 | 3.2 | 3.5 | | | |
| 1/18/2017 | 1.8 | | | | | | |
| 1/24/2017 | | | | | | | 4.1 |
| 1/27/2017 | | | 3.4 | 3.1 | 1.4 | | |
| 2/6/2017 | | 1.4 | | | | | |
| 2/8/2017 | | | | | | 2.5 | |
| 2/23/2017 | | | | | | 4.3 | |
| 3/14/2017 | 1.8 | | | | | | 4.4 |
| 3/15/2017 | | 1.4 | 3.1 | 3.2 | 1.4 | | |
| 3/17/2017 | | | | | | 4.8 | |
| 4/11/2017 | | | | | | 3.8 | |
| 4/25/2017 | 1.8 | | | | | | 4 |
| 4/26/2017 | | 1.3 | 3.1 | 3.2 | 1.3 | 4.8 | |
| 5/17/2017 | | | | | | 3.9 | |
| 6/7/2017 | | | | | | 3.2 | |
| 7/11/2017 | | | | | | 4.1 | |
| 8/8/2017 | 1.9 | | | | | | |
| 8/9/2017 | | | | | 1.4 | | 3.6 |
| 8/10/2017 | | 1.4 | 3.1 | 3.4 | | | |
| 10/11/2017 | 1.8 | | | | | 2.2 | 5 |
| 10/12/2017 | | 1.3 | 3 | 3.1 | 1.2 | | |
| 6/14/2018 | 1.7 | 1.3 | 3 | 3 | 1.2 | 2.8 | 4.3 |
| 10/3/2018 | 1.8 | | | | | | 4.8 |
| 10/4/2018 | | 1.3 | 3.1 | 3.1 | 1.2 | 2.2 | |
| 4/2/2019 | 1.9 | | | | | | |
| 4/3/2019 | | | 3.3 | 3 | 1.2 | 2.4 | |
| 4/4/2019 | | 1.4 | | | | | 3.7 |
| 9/18/2019 | 2 | | | | 1.2 | 2.2 | 3.2 |
| 9/19/2019 | | 1.5 | 3.2 | 3.2 | | | |
| 3/17/2020 | 2.2 | | | | | | |
| 3/18/2020 | | 1.5 | 3.2 | 3.2 | | | 1.7 |
| 3/19/2020 | | | | | 1.3 | 1.9 | |
| 9/22/2020 | 1.8 | | | | | | |
| 9/23/2020 | | 1.3 | | 2.8 | | | 1.5 |
| 9/24/2020 | | | 1 | | 1.6 | 3.1 | |
| 3/10/2021 | 1.9 | | | | | | |
| 3/11/2021 | | 1.7 | | | 1.2 | 2.6 | |
| 3/12/2021 | | | 3.6 | 3.5 | | | 1.6 |
| 8/24/2021 | 1.9 | | | | | | |
| 8/25/2021 | | | 3.5 | 3.7 | 1.2 | 2.8 | |
| 8/26/2021 | | 1.6 | | | | | 1.4 |
| 3/3/2022 | 2.1 | 1.6 | 3.6 | | 1 | 2.4 | 1.4 |
| 3/4/2022 | | | | 3.2 | | | |
| 8/16/2022 | 1.9 | | 3.5 | | | | |
| 8/17/2022 | | | | | | | 1.2 |

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|---------|---------|---------|----------|----------|---------|
| 8/18/2022 | | | | 3 | 0.98 (J) | | |
| 8/19/2022 | | 1.4 | | | | 2.1 | |
| 2/14/2023 | 1.8 | | | | | | |
| 2/15/2023 | | | | | | | 1 |
| 2/16/2023 | | 1.3 | 3.3 | 2.9 | 0.97 (J) | 1.9 | |

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|---------|---------|---------|---------|---------|---------|---------|
| 5/18/2016 | 217 | 2.72 | | | | | |
| 7/19/2016 | 250 | | | | | | |
| 7/20/2016 | | 1.9 | | | | | |
| 9/14/2016 | 260 | 1.6 | | | | | |
| 11/10/2016 | 290 | 1.6 | | | | | |
| 11/11/2016 | | | 2.6 | | | | |
| 1/20/2017 | | 1.5 | | | | | |
| 1/24/2017 | 310 | | | | | | |
| 2/6/2017 | | | 2.6 | | | | |
| 3/14/2017 | | 1.5 | | | | | |
| 3/15/2017 | 330 | | 2.4 | | | | |
| 4/11/2017 | | | 2.3 | | | | |
| 4/25/2017 | 330 | 1.8 | | | | | |
| 4/26/2017 | | | 2.3 | | | | |
| 6/7/2017 | | | 2.5 | | | | |
| 7/11/2017 | | | 2.3 | | | | |
| 8/9/2017 | 330 | 1.4 | | | | | |
| 8/10/2017 | | | 2.5 | | | | |
| 10/11/2017 | 320 | 1.5 | | | | | |
| 10/12/2017 | | | 2.3 | | | | |
| 6/14/2018 | 290 | 1.5 | 2.4 | | | | |
| 10/4/2018 | 290 | 1.5 | 2.6 | | | | |
| 4/2/2019 | | | 2.5 | | | | |
| 4/4/2019 | 170 | 1.4 | | | | | |
| 9/18/2019 | 100 | 1.5 | 2.7 | | | | |
| 3/18/2020 | 93 | 1.5 | | | | | |
| 5/4/2020 | | | 2.8 | | | | |
| 9/23/2020 | 58 | 1.2 | 2.6 | | | | |
| 3/8/2021 | | | | 70 | | | |
| 3/9/2021 | | | | | 58 | 2.9 | 3.5 |
| 3/11/2021 | 49 | 1.3 | 2.9 | | | | |
| 4/7/2021 | | | | | 50 | | 3.7 |
| 4/8/2021 | | | | 57 | | 2.4 | |
| 8/25/2021 | 45 | 1.6 | | | | | |
| 8/26/2021 | | | 3.3 | 130 | 47 | 4.2 | 3.3 |
| 1/11/2022 | | | | | 44 | 5.1 | 2.9 |
| 1/12/2022 | | | | 350 | | | |
| 3/3/2022 | 42 | | 3.2 | | 45 | | |
| 3/4/2022 | | 1.3 | | 330 | | 5.3 | 2.9 |
| 6/6/2022 | | | | | 48 | | 3.1 |
| 6/7/2022 | | | | 180 | | 4.3 | |
| 8/16/2022 | | 1.3 | | | 41 | | |
| 8/17/2022 | 35 | | 2.8 | | | | 3.2 |
| 8/18/2022 | | | | 140 | | | |
| 8/19/2022 | | | | | | 4.2 | |
| 2/15/2023 | 42 | | | | | 4.6 | 2.9 |
| 2/16/2023 | | 1.2 | 2.6 | 230 | 51 | | |

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|---------|---------|--------|--------|---------|----------|
| 5/19/2016 | | | 17.5 | 1.46 | | |
| 7/20/2016 | | | 19 | 1.5 | | |
| 9/14/2016 | | | | 1.4 | | |
| 9/15/2016 | | | 19 | | | |
| 11/14/2016 | | | 25 | | | |
| 2/6/2017 | | | 33 | | | |
| 2/9/2017 | | | | 1.5 | | |
| 3/15/2017 | | | 38 | 1.3 | | |
| 4/11/2017 | | | | 1.2 | | |
| 4/26/2017 | | | 42 | 1.2 | | |
| 8/10/2017 | | | 48 | 1.3 | | |
| 10/12/2017 | | | 60 | 1.4 | | |
| 6/14/2018 | | | 58 | 1.2 | | |
| 10/4/2018 | | | 300 | 1.2 | | |
| 4/3/2019 | | | 70 | 2 | | |
| 9/19/2019 | | | 70 | 1.5 | | |
| 3/19/2020 | | | 98 | 2.1 | | |
| 9/22/2020 | | | 100 | | | |
| 9/23/2020 | | | | 2.4 | | |
| 3/8/2021 | | 74 | | | | |
| 3/9/2021 | 110 | | | | | |
| 3/11/2021 | | | 110 | | | |
| 3/12/2021 | | | | 3.4 | | |
| 4/7/2021 | 110 | | | | | |
| 4/8/2021 | | 77 | | | | |
| 8/26/2021 | 100 | 79 | 110 | 3.1 | | |
| 1/11/2022 | 60 | 75 | | | | |
| 3/3/2022 | 50 | | 130 | 3.5 | | |
| 3/4/2022 | | 79 | | | | |
| 6/6/2022 | 41 | | | | | |
| 6/7/2022 | | 79 | | | | |
| 8/16/2022 | | | 110 | | | |
| 8/17/2022 | | 77 | | 3.2 | | |
| 8/18/2022 | 27 | | | | | |
| 10/19/2022 | | | | | 5 | 200 |
| 2/15/2023 | 39 | 79 | | 3.9 | | |
| 2/16/2023 | | | 120 | | 22 | 280 |

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | <0.002 | <0.002 | <0.002 | | | | |
| 5/18/2016 | | | | <0.002 | <0.002 | <0.002 | <0.002 |
| 7/19/2016 | <0.002 | <0.002 | <0.002 | | | <0.002 | <0.002 |
| 7/20/2016 | | | | <0.002 | <0.002 | | |
| 9/13/2016 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | <0.002 |
| 9/14/2016 | | | | | | 0.0031 | |
| 11/9/2016 | <0.002 | <0.002 | <0.002 | | | | <0.002 |
| 11/10/2016 | | | | <0.002 | <0.002 | | |
| 1/17/2017 | <0.002 | | <0.002 | | | | |
| 1/18/2017 | | | | <0.002 | <0.002 | | <0.002 |
| 1/19/2017 | | <0.002 | | | | <0.002 | |
| 3/13/2017 | <0.002 | | <0.002 | | | | |
| 3/14/2017 | | <0.002 | | <0.002 | <0.002 | <0.002 | <0.002 |
| 4/24/2017 | <0.002 | | <0.002 | | | | |
| 4/25/2017 | | <0.002 | | <0.002 | <0.002 | <0.002 | <0.002 |
| 8/8/2017 | <0.002 | <0.002 | <0.002 | <0.002 | | | <0.002 |
| 8/9/2017 | | | | | <0.002 | <0.002 | |
| 3/27/2018 | <0.002 | | <0.002 | | | | |
| 3/28/2018 | | 0.0049 | | <0.002 | <0.002 | <0.002 | <0.002 |
| 6/13/2018 | <0.002 | <0.002 | | | | <0.002 | <0.002 |
| 6/14/2018 | | | <0.002 | <0.002 | <0.002 | | |
| 9/24/2018 | | | <0.002 | | | | |
| 9/27/2018 | <0.002 | | | | | | |
| 9/28/2018 | | <0.002 | | | | | |
| 10/2/2018 | | | | | | | <0.002 |
| 10/3/2018 | | | | <0.002 | <0.002 | <0.002 | |
| 2/25/2019 | 0.0016 (J) | | <0.002 | | | | |
| 2/26/2019 | | 0.0016 (J) | | <0.002 | 0.0021 (J) | <0.002 | 0.0023 (J) |
| 4/1/2019 | <0.002 | | <0.002 | | | | |
| 4/2/2019 | | <0.002 | | <0.002 | <0.002 | <0.002 | <0.002 |
| 9/16/2019 | 0.0016 (J) | | | | | <0.002 | <0.002 |
| 9/17/2019 | | <0.002 | 0.0017 (J) | | <0.002 | | |
| 9/18/2019 | | | | <0.002 | | | |
| 2/3/2020 | <0.002 | | <0.002 | | | | |
| 2/4/2020 | | | | <0.002 | <0.002 | <0.002 | <0.002 |
| 2/5/2020 | | <0.002 | | | | | |
| 3/16/2020 | <0.002 | | <0.002 | | | | |
| 3/17/2020 | | <0.002 | | <0.002 | <0.002 | <0.002 | <0.002 |
| 9/21/2020 | | | <0.002 | <0.002 | <0.002 | | |
| 9/22/2020 | <0.002 | <0.002 | | | | <0.002 | <0.002 |
| 2/2/2021 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| 2/3/2021 | | | | | | <0.002 | <0.002 |
| 3/10/2021 | | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | |
| 3/11/2021 | <0.002 | | | | | | <0.002 |
| 8/23/2021 | | | <0.002 | | | | |
| 8/24/2021 | <0.002 | | | | <0.002 | <0.002 | <0.002 |
| 8/25/2021 | | <0.002 | | <0.002 | | | |
| 2/28/2022 | | | | | <0.002 | | |
| 3/1/2022 | <0.002 | | <0.002 | <0.002 | | <0.002 | <0.002 |
| 3/3/2022 | | <0.002 | | | | | |
| 8/15/2022 | 0.0063 | | <0.002 | | | <0.002 | <0.002 |
| 8/16/2022 | | <0.002 | | <0.002 | <0.002 | | |

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|-----------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 2/14/2023 | <0.002 | <0.002 | <0.002 | <0.002 | | <0.002 | <0.002 |
| 2/15/2023 | | | | | <0.002 | | |

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|------------|------------|---------|------------|------------|------------|
| 5/18/2016 | <0.002 | <0.002 | | | | | <0.002 |
| 5/19/2016 | | | <0.002 | <0.002 | <0.002 | | |
| 7/19/2016 | <0.002 | | | | | | <0.002 |
| 7/20/2016 | | 0.0012 (J) | <0.002 | <0.002 | <0.002 | | |
| 9/13/2016 | <0.002 | | | | | | |
| 9/14/2016 | | <0.002 | <0.002 | <0.002 | <0.002 | | <0.002 |
| 11/10/2016 | <0.002 | | | | <0.002 | | <0.002 |
| 11/11/2016 | | 0.0015 (J) | <0.002 | <0.002 | | | |
| 1/18/2017 | <0.002 | | | | | | |
| 1/24/2017 | | | | | | | <0.002 |
| 1/27/2017 | | | <0.002 | <0.002 | <0.002 | | |
| 2/6/2017 | | 0.0011 (J) | | | | | |
| 2/8/2017 | | | | | | <0.002 | |
| 2/23/2017 | | | | | | <0.002 | |
| 3/14/2017 | <0.002 | | | | | | <0.002 |
| 3/15/2017 | | 0.0015 (J) | <0.002 | <0.002 | <0.002 | | |
| 3/17/2017 | | | | | | <0.002 | |
| 4/11/2017 | | | | | | <0.002 | |
| 4/25/2017 | <0.002 | | | | | | <0.002 |
| 4/26/2017 | | 0.0013 (J) | 0.0011 (J) | <0.002 | <0.002 | <0.002 | |
| 5/17/2017 | | | | | | <0.002 | |
| 6/7/2017 | | | | | | <0.002 | |
| 7/11/2017 | | | | | | <0.002 | |
| 8/8/2017 | <0.002 | | | | | | |
| 8/9/2017 | | | | | <0.002 | | <0.002 |
| 8/10/2017 | | 0.0016 (J) | <0.002 | <0.002 | | | |
| 3/28/2018 | <0.002 | | | | | | |
| 3/29/2018 | | | 0.0012 (J) | <0.002 | <0.002 | <0.002 | |
| 3/30/2018 | | 0.0027 | | | | | <0.002 |
| 6/14/2018 | <0.002 | 0.0023 (J) | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 |
| 10/3/2018 | <0.002 | | | | | | <0.002 |
| 10/4/2018 | | 0.0031 | <0.002 | <0.002 | <0.002 | <0.002 | |
| 2/26/2019 | <0.002 | | | | | | |
| 2/27/2019 | | 0.0031 | 0.0021 (J) | <0.002 | 0.0018 (J) | <0.002 | 0.0015 (J) |
| 4/2/2019 | <0.002 | | | | | | |
| 4/3/2019 | | | <0.002 | <0.002 | <0.002 | <0.002 | |
| 4/4/2019 | | 0.0021 (J) | | | | | <0.002 |
| 9/18/2019 | <0.002 | | | | <0.002 | <0.002 | <0.002 |
| 9/19/2019 | | 0.0022 | <0.002 | <0.002 | | | |
| 2/5/2020 | <0.002 | 0.0022 | <0.002 | <0.002 | <0.002 | 0.0017 (J) | |
| 2/7/2020 | | | | | | | <0.002 |
| 3/17/2020 | <0.002 | | | | | | |
| 3/18/2020 | | <0.002 | <0.002 | <0.002 | | | <0.002 |
| 3/19/2020 | | | | | <0.002 | <0.002 | |
| 9/22/2020 | <0.002 | | | | | | |
| 9/23/2020 | | 0.0018 (J) | | <0.002 | | | <0.002 |
| 9/24/2020 | | | <0.002 | | <0.002 | <0.002 | |
| 2/2/2021 | <0.002 | | | | | | |
| 2/3/2021 | | | <0.002 | <0.002 | | | |
| 2/4/2021 | | 0.0018 (J) | | | <0.002 | <0.002 | <0.002 |
| 3/10/2021 | <0.002 | | | | | | |
| 3/11/2021 | | 0.0023 | | | 0.0019 (J) | <0.002 | |

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|------------|------------|---------|------------|----------|---------|
| 3/12/2021 | | | 0.0017 (J) | <0.002 | | | <0.002 |
| 8/24/2021 | <0.002 | | | | | | |
| 8/25/2021 | | | <0.002 | <0.002 | 0.0017 (J) | <0.002 | |
| 8/26/2021 | | 0.0024 | | | | | <0.002 |
| 3/3/2022 | <0.002 | 0.0023 | <0.002 | | <0.002 | <0.002 | <0.002 |
| 3/4/2022 | | | | <0.002 | | | |
| 8/16/2022 | <0.002 | | <0.002 | | | | |
| 8/17/2022 | | | | | | | <0.002 |
| 8/18/2022 | | | | <0.002 | <0.002 | | |
| 8/19/2022 | | 0.0024 | | | | <0.002 | |
| 2/14/2023 | <0.002 | | | | | | |
| 2/15/2023 | | | | | | | <0.002 |
| 2/16/2023 | | 0.0014 (J) | <0.002 | <0.002 | <0.002 | <0.002 | |

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|---------|---------|---------|---------|------------|---------|---------|
| 5/18/2016 | <0.002 | <0.002 | | | | | |
| 7/19/2016 | <0.002 | | | | | | |
| 7/20/2016 | | <0.002 | | | | | |
| 9/14/2016 | <0.002 | <0.002 | | | | | |
| 11/10/2016 | <0.002 | <0.002 | | | | | |
| 11/11/2016 | | | <0.002 | | | | |
| 1/20/2017 | | <0.002 | | | | | |
| 1/24/2017 | <0.002 | | | | | | |
| 2/6/2017 | | | <0.002 | | | | |
| 3/14/2017 | | <0.002 | | | | | |
| 3/15/2017 | <0.002 | | <0.002 | | | | |
| 4/11/2017 | | | <0.002 | | | | |
| 4/25/2017 | <0.002 | <0.002 | | | | | |
| 4/26/2017 | | | <0.002 | | | | |
| 6/7/2017 | | | <0.002 | | | | |
| 7/11/2017 | | | <0.002 | | | | |
| 8/9/2017 | <0.002 | <0.002 | | | | | |
| 8/10/2017 | | | <0.002 | | | | |
| 3/29/2018 | <0.002 | | <0.002 | | | | |
| 3/30/2018 | | <0.002 | | | | | |
| 6/14/2018 | <0.002 | <0.002 | <0.002 | | | | |
| 10/4/2018 | <0.002 | <0.002 | <0.002 | | | | |
| 2/26/2019 | | <0.002 | | | | | |
| 2/27/2019 | <0.002 | | | | | | |
| 2/28/2019 | | | <0.002 | | | | |
| 4/2/2019 | | | <0.002 | | | | |
| 4/4/2019 | <0.002 | <0.002 | | | | | |
| 9/18/2019 | <0.002 | <0.002 | <0.002 | | | | |
| 2/7/2020 | <0.002 | <0.002 | <0.002 | | | | |
| 3/18/2020 | <0.002 | <0.002 | | | | | |
| 5/4/2020 | | | <0.002 | | | | |
| 9/23/2020 | <0.002 | <0.002 | <0.002 | | | | |
| 2/3/2021 | | | <0.002 | | | | |
| 2/4/2021 | <0.002 | <0.002 | | | | | |
| 3/11/2021 | <0.002 | <0.002 | <0.002 | | | | |
| 8/25/2021 | <0.002 | <0.002 | | | | | |
| 8/26/2021 | | | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 |
| 1/11/2022 | | | | | <0.002 | <0.002 | <0.002 |
| 1/12/2022 | | | | <0.002 | | | |
| 3/3/2022 | <0.002 | | <0.002 | | <0.002 | | |
| 3/4/2022 | | <0.002 | | <0.002 | | <0.002 | <0.002 |
| 6/6/2022 | | | | | <0.002 | | <0.002 |
| 6/7/2022 | | | | <0.002 | | <0.002 | |
| 8/16/2022 | | <0.002 | | | <0.002 | | |
| 8/17/2022 | <0.002 | | <0.002 | | | | <0.002 |
| 8/18/2022 | | | | <0.002 | | | |
| 8/19/2022 | | | | | | <0.002 | |
| 2/15/2023 | <0.002 | | | | | <0.002 | <0.002 |
| 2/16/2023 | | <0.002 | <0.002 | <0.002 | 0.0015 (J) | | |

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|---------|---------|--------|--------|---------|----------|
| 5/19/2016 | | | <0.002 | <0.002 | | |
| 7/20/2016 | | | <0.002 | <0.002 | | |
| 9/14/2016 | | | | <0.002 | | |
| 9/15/2016 | | | <0.002 | | | |
| 11/14/2016 | | | <0.002 | | | |
| 2/6/2017 | | | <0.002 | | | |
| 2/9/2017 | | | | <0.002 | | |
| 3/15/2017 | | | <0.002 | <0.002 | | |
| 4/11/2017 | | | | <0.002 | | |
| 4/26/2017 | | | <0.002 | <0.002 | | |
| 8/10/2017 | | | <0.002 | <0.002 | | |
| 3/29/2018 | | | <0.002 | <0.002 | | |
| 6/14/2018 | | | <0.002 | <0.002 | | |
| 10/4/2018 | | | <0.002 | <0.002 | | |
| 2/27/2019 | | | <0.002 | | | |
| 2/28/2019 | | | | 0.0025 | | |
| 4/3/2019 | | | <0.002 | <0.002 | | |
| 9/19/2019 | | | <0.002 | <0.002 | | |
| 2/5/2020 | | | | <0.002 | | |
| 2/7/2020 | | | <0.002 | | | |
| 3/19/2020 | | | <0.002 | <0.002 | | |
| 9/22/2020 | | | <0.002 | | | |
| 9/23/2020 | | | | <0.002 | | |
| 2/3/2021 | | | <0.002 | | | |
| 2/4/2021 | | | | <0.002 | | |
| 3/11/2021 | | | <0.002 | | | |
| 3/12/2021 | | | | <0.002 | | |
| 8/26/2021 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| 1/11/2022 | <0.002 | <0.002 | | | | |
| 3/3/2022 | <0.002 | | <0.002 | <0.002 | | |
| 3/4/2022 | | <0.002 | | | | |
| 6/6/2022 | <0.002 | | | | | |
| 6/7/2022 | | <0.002 | | | | |
| 8/16/2022 | | | <0.002 | | | |
| 8/17/2022 | | <0.002 | | <0.002 | | |
| 8/18/2022 | <0.002 | | | | | |
| 10/19/2022 | | | | | <0.002 | 0.0024 |
| 2/15/2023 | <0.002 | <0.002 | | <0.002 | | |
| 2/16/2023 | | | <0.002 | | <0.002 | <0.002 |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | <0.01 | <0.0025 | <0.0025 | | | | |
| 5/18/2016 | | | | <0.0025 | <0.0025 | <0.01 | <0.0025 |
| 7/19/2016 | 0.0014 (J) | 0.0019 (J) | 0.00086 (J) | | | 0.0014 (J) | <0.0025 |
| 7/20/2016 | | | | <0.0025 | <0.0025 | | |
| 9/13/2016 | 0.0015 (J) | 0.0032 | 0.00095 (J) | <0.0025 | <0.0025 | | <0.0025 |
| 9/14/2016 | | | | | | 0.013 | |
| 11/9/2016 | 0.0012 (J) | 0.0039 | 0.0011 (J) | | | | <0.0025 |
| 11/10/2016 | | | | <0.0025 | <0.0025 | | |
| 1/17/2017 | 0.001 (J) | | <0.0025 | | | | |
| 1/18/2017 | | | | <0.0025 | <0.0025 | | <0.0025 |
| 1/19/2017 | | 0.0032 | | | | 0.064 (O) | |
| 3/13/2017 | 0.0011 (J) | | 0.00087 (J) | | | | |
| 3/14/2017 | | 0.0045 | | <0.0025 | <0.0025 | 0.0066 | 0.0018 (J) |
| 4/24/2017 | 0.001 (J) | | 0.0014 (J) | | | | |
| 4/25/2017 | | 0.002 (J) | | <0.0025 | <0.0025 | 0.0026 | <0.0025 |
| 8/8/2017 | 0.0011 (J) | 0.0031 | 0.0012 (J) | <0.0025 | | | <0.0025 |
| 8/9/2017 | | | | | <0.0025 | 0.0025 | |
| 3/27/2018 | 0.00091 (J) | | 0.0012 (J) | | | | |
| 3/28/2018 | | 0.0013 (J) | | <0.0025 | <0.0025 | 0.0015 (J) | <0.0025 |
| 6/13/2018 | 0.00094 (J) | 0.0021 (J) | | | | 0.0011 (J) | <0.0025 |
| 6/14/2018 | | | 0.00085 (J) | <0.0025 | <0.0025 | | |
| 9/24/2018 | | | 0.00085 (J) | | | | |
| 9/27/2018 | 0.00085 (J) | | | | | | |
| 9/28/2018 | | 0.0024 (J) | | | | | |
| 10/2/2018 | | | | | | | <0.0025 |
| 10/3/2018 | | | | <0.0025 | <0.0025 | 0.0013 (J) | |
| 2/25/2019 | 0.00085 (J) | | 0.00083 (J) | | | | |
| 2/26/2019 | | 0.00026 (J) | | <0.0025 | 0.00029 (J) | 0.0006 (J) | 0.00031 (J) |
| 4/1/2019 | 0.00079 (J) | | 0.00082 (J) | | | | |
| 4/2/2019 | | <0.0025 | | <0.0025 | <0.0025 | 0.00046 (J) | <0.0025 |
| 9/16/2019 | 0.00082 | | | | | 0.0035 | 9.1E-05 (J) |
| 9/17/2019 | | 0.0012 | 0.00063 | | <0.0025 | | |
| 9/18/2019 | | | | <0.0025 | | | |
| 2/3/2020 | 0.00062 | | 0.00068 | | | | |
| 2/4/2020 | | | | <0.0025 | <0.0025 | 0.00082 | <0.0025 |
| 2/5/2020 | | 0.0027 | | | | | |
| 3/16/2020 | 0.00092 (J) | | 0.00066 (J) | | | | |
| 3/17/2020 | | 0.0017 (J) | | <0.0025 | <0.0025 | 0.00066 (J) | 0.00014 (J) |
| 9/21/2020 | | | 0.00054 (J) | <0.0025 | <0.0025 | | |
| 9/22/2020 | 0.00072 (J) | 0.00033 (J) | | | | 0.0065 | <0.0025 |
| 2/2/2021 | 0.00082 (J) | 0.0018 (J) | 0.00069 (J) | <0.0025 | <0.0025 | | |
| 2/3/2021 | | | | | | 0.0015 (J) | <0.0025 |
| 3/10/2021 | | 0.0015 (J) | 0.00073 (J) | <0.0025 | <0.0025 | 0.0011 (J) | |
| 3/11/2021 | 0.00081 (J) | | | | | | <0.0025 |
| 8/23/2021 | | | 0.00049 (J) | | | | |
| 8/24/2021 | 0.0016 (J) | | | | <0.0025 | 0.00079 (J) | <0.0025 |
| 8/25/2021 | | 0.00084 (J) | | <0.0025 | | | |
| 2/28/2022 | | | | | <0.0025 | | |
| 3/1/2022 | 0.00073 (J) | | 0.00038 (J) | <0.0025 | | 0.0014 (J) | <0.0025 |
| 3/3/2022 | | 0.0014 (J) | | | | | |
| 8/15/2022 | 0.0007 (J) | | 0.00045 (J) | | | 0.00063 (J) | <0.0025 |
| 8/16/2022 | | 0.00075 (J) | | <0.0025 | <0.0025 | | |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|-----------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 2/14/2023 | 0.00073 (J) | 0.001 (J) | 0.00052 (J) | <0.0025 | | 0.0011 (J) | <0.0025 |
| 2/15/2023 | | | | | <0.0025 | | |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|-------------|-------------|-------------|-------------|----------|-------------|
| 5/18/2016 | <0.0025 | 0.00201 (J) | | | | | <0.0025 |
| 5/19/2016 | | | <0.0025 | <0.01 | <0.0025 | | |
| 7/19/2016 | <0.0025 | | | | | | <0.0025 |
| 7/20/2016 | | 0.00066 (J) | 0.0025 | 0.0013 (J) | <0.0025 | | |
| 9/13/2016 | <0.0025 | | | | | | |
| 9/14/2016 | | 0.00095 (J) | <0.0025 | 0.00098 (J) | <0.0025 | | <0.0025 |
| 11/10/2016 | 0.00055 (J) | | | | <0.0025 | | <0.0025 |
| 11/11/2016 | | 0.001 (J) | 0.00052 (J) | 0.0017 (J) | | | |
| 1/18/2017 | 0.00097 (J) | | | | | | |
| 1/24/2017 | | | | | | | <0.0025 |
| 1/27/2017 | | | 0.00049 (J) | 0.0022 (J) | <0.0025 | | |
| 2/6/2017 | | 0.00072 (J) | | | | | |
| 2/8/2017 | | | | | | 0.0051 | |
| 2/23/2017 | | | | | | 0.014 | |
| 3/14/2017 | <0.0025 | | | | | | <0.0025 |
| 3/15/2017 | | 0.00062 (J) | 0.00064 (J) | 0.0016 (J) | <0.0025 | | |
| 3/17/2017 | | | | | | 0.013 | |
| 4/11/2017 | | | | | | 0.016 | |
| 4/25/2017 | <0.0025 | | | | | | <0.0025 |
| 4/26/2017 | | 0.0014 (J) | 0.001 (J) | 0.00026 (J) | <0.0025 | 0.01 | |
| 5/17/2017 | | | | | | 0.011 | |
| 6/7/2017 | | | | | | 0.01 | |
| 7/11/2017 | | | | | | 0.0085 | |
| 8/8/2017 | <0.0025 | | | | | | |
| 8/9/2017 | | | | | 0.0004 (J) | | <0.0025 |
| 8/10/2017 | | <0.0025 | 0.0011 (J) | 0.00049 (J) | | | |
| 3/28/2018 | <0.0025 | | | | | | |
| 3/29/2018 | | | <0.0025 | 0.0008 (J) | 0.0008 (J) | 0.015 | |
| 3/30/2018 | | 0.0035 | | | | | <0.0025 |
| 6/14/2018 | <0.0025 | 0.0012 (J) | <0.0025 | 0.00067 (J) | 0.00054 (J) | 0.011 | <0.0025 |
| 10/3/2018 | <0.0025 | | | | | | <0.0025 |
| 10/4/2018 | | 0.00086 (J) | <0.0025 | 0.00079 (J) | <0.0025 | 0.0055 | |
| 2/26/2019 | 0.00017 (J) | | | | | | |
| 2/27/2019 | | 0.0005 (J) | 0.0022 (J) | 0.0006 (J) | 0.00013 (J) | 0.0049 | <0.0025 |
| 4/2/2019 | <0.0025 | | | | | | |
| 4/3/2019 | | | 0.00081 (J) | 0.00043 (J) | <0.0025 | 0.0056 | |
| 4/4/2019 | | 0.0017 (J) | | | | | <0.0025 |
| 9/18/2019 | 0.0002 (J) | | | | <0.0025 | 0.005 | <0.0025 |
| 9/19/2019 | | 0.0023 | <0.0025 | 0.00028 (J) | | | |
| 2/5/2020 | 0.00021 (J) | 0.0013 | 0.00026 (J) | 0.00058 | <0.0025 | 0.0044 | |
| 2/7/2020 | | | | | | | <0.0025 |
| 3/17/2020 | 0.00065 (J) | | | | | | |
| 3/18/2020 | | 0.0012 (J) | 0.00069 (J) | 0.00071 (J) | | | <0.0025 |
| 3/19/2020 | | | | | <0.0025 | 0.0039 | |
| 9/22/2020 | 0.00015 (J) | | | | | | |
| 9/23/2020 | | 0.00062 (J) | | 0.00039 (J) | | | <0.0025 |
| 9/24/2020 | | | <0.0025 | | 0.00032 (J) | 0.0035 | |
| 2/2/2021 | <0.0025 | | | | | | |
| 2/3/2021 | | | 0.00072 (J) | 0.00017 (J) | | | |
| 2/4/2021 | | 0.00059 (J) | | | <0.0025 | 0.0041 | 0.00015 (J) |
| 3/10/2021 | <0.0025 | | | | | | |
| 3/11/2021 | | 0.00058 (J) | | | <0.0025 | 0.0037 | |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|-------------|-------------|-------------|---------|------------|---------|
| 3/12/2021 | | | 0.0022 (J) | 0.00042 (J) | | | <0.0025 |
| 8/24/2021 | 0.00017 (J) | | | | | | |
| 8/25/2021 | | | 0.00045 (J) | 0.0005 (J) | <0.0025 | 0.0029 | |
| 8/26/2021 | | 0.00044 (J) | | | | | <0.0025 |
| 3/3/2022 | <0.0025 | 0.00045 (J) | 0.00026 (J) | | <0.0025 | 0.0024 (J) | <0.0025 |
| 3/4/2022 | | | | 0.00056 (J) | | | |
| 8/16/2022 | <0.0025 | | <0.0025 | | | | |
| 8/17/2022 | | | | | | | <0.0025 |
| 8/18/2022 | | | | 0.00034 (J) | <0.0025 | | |
| 8/19/2022 | | 0.0014 (J) | | | | 0.002 (J) | |
| 2/14/2023 | <0.0025 | | | | | | |
| 2/15/2023 | | | | | | | <0.0025 |
| 2/16/2023 | | <0.0025 | <0.0025 | 0.0004 (J) | <0.0025 | 0.0022 (J) | |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 5/18/2016 | 0.0069 | 0.00245 (J) | | | | | |
| 7/19/2016 | 0.012 | | | | | | |
| 7/20/2016 | | 0.0018 (J) | | | | | |
| 9/14/2016 | 0.013 | 0.0014 (J) | | | | | |
| 11/10/2016 | 0.016 | 0.0016 (J) | | | | | |
| 11/11/2016 | | | <0.0025 | | | | |
| 1/20/2017 | | 0.0014 (J) | | | | | |
| 1/24/2017 | 0.015 | | | | | | |
| 2/6/2017 | | | 0.00058 (J) | | | | |
| 3/14/2017 | | 0.0023 (J) | | | | | |
| 3/15/2017 | 0.014 | | 0.00045 (J) | | | | |
| 4/11/2017 | | | <0.0025 | | | | |
| 4/25/2017 | 0.014 | 0.0023 (J) | | | | | |
| 4/26/2017 | | | <0.0025 | | | | |
| 6/7/2017 | | | <0.0025 | | | | |
| 7/11/2017 | | | <0.0025 | | | | |
| 8/9/2017 | 0.016 | 0.0011 (J) | | | | | |
| 8/10/2017 | | | 0.00049 (J) | | | | |
| 3/29/2018 | 0.0092 | | <0.0025 | | | | |
| 3/30/2018 | | 0.0016 (J) | | | | | |
| 6/14/2018 | 0.0035 | 0.00055 (J) | <0.0025 | | | | |
| 10/4/2018 | 0.0078 | 0.00041 (J) | <0.0025 | | | | |
| 2/26/2019 | | 0.00086 (J) | | | | | |
| 2/27/2019 | 0.00084 (J) | | | | | | |
| 2/28/2019 | | | 0.00019 (J) | | | | |
| 4/2/2019 | | | <0.0025 | | | | |
| 4/4/2019 | 0.00077 (J) | <0.0025 | | | | | |
| 9/18/2019 | 0.00011 (J) | 0.00018 (J) | 0.00045 (J) | | | | |
| 2/7/2020 | 0.00016 (J) | 0.00077 | 0.00024 (J) | | | | |
| 3/18/2020 | 0.00016 (J) | 0.00052 (J) | | | | | |
| 5/4/2020 | | | 0.00018 (J) | | | | |
| 9/23/2020 | <0.0025 | 0.0009 (J) | 0.00024 (J) | | | | |
| 2/3/2021 | | | 0.00025 (J) | | | | |
| 2/4/2021 | 0.00026 (J) | 0.00042 (J) | | | | | |
| 3/11/2021 | 0.00013 (J) | 0.00035 (J) | 0.00022 (J) | | | | |
| 8/25/2021 | <0.0025 | 0.00042 (J) | | | | | |
| 8/26/2021 | | | 0.00022 (J) | 0.00046 (J) | 0.00042 (J) | 0.00038 (J) | 0.00017 (J) |
| 1/11/2022 | | | | | 0.00032 (J) | 0.00025 (J) | 0.00016 (J) |
| 1/12/2022 | | | | 0.00037 (J) | | | |
| 3/3/2022 | <0.0025 | | 0.00034 (J) | | 0.00042 (J) | | |
| 3/4/2022 | | 0.00026 (J) | | <0.0025 | | 0.00034 (J) | <0.0025 |
| 6/6/2022 | | | | | 0.001 (J) | | <0.0025 |
| 6/7/2022 | | | | <0.0025 | | <0.0025 | |
| 8/16/2022 | | <0.0025 | | | 0.00039 (J) | | |
| 8/17/2022 | <0.0025 | | <0.0025 | | | | <0.0025 |
| 8/18/2022 | | | | <0.0025 | | | |
| 8/19/2022 | | | | | | <0.0025 | |
| 2/15/2023 | <0.0025 | | | | | <0.0025 | <0.0025 |
| 2/16/2023 | | <0.0025 | 0.00053 (J) | <0.0025 | <0.0025 | | |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|---------|---------|-------------|-------------|------------|------------|
| 5/19/2016 | | | <0.0025 | <0.0025 | | |
| 7/20/2016 | | | <0.0025 | <0.0025 | | |
| 9/14/2016 | | | | <0.0025 | | |
| 9/15/2016 | | | <0.0025 | | | |
| 11/14/2016 | | | <0.0025 | | | |
| 2/6/2017 | | | <0.0025 | | | |
| 2/9/2017 | | | | 0.00073 (J) | | |
| 3/15/2017 | | | <0.0025 | <0.0025 | | |
| 4/11/2017 | | | | <0.0025 | | |
| 4/26/2017 | | | <0.0025 | <0.0025 | | |
| 8/10/2017 | | | <0.0025 | <0.0025 | | |
| 3/29/2018 | | | 0.00066 (J) | <0.0025 | | |
| 6/14/2018 | | | 0.0011 (J) | <0.0025 | | |
| 10/4/2018 | | | <0.0025 | <0.0025 | | |
| 2/27/2019 | | | 0.0019 (J) | | | |
| 2/28/2019 | | | | <0.0025 | | |
| 4/3/2019 | | | 0.0037 | <0.0025 | | |
| 9/19/2019 | | | 0.0028 | <0.0025 | | |
| 2/5/2020 | | | | <0.0025 | | |
| 2/7/2020 | | | 0.0011 | | | |
| 3/19/2020 | | | 0.00092 (J) | <0.0025 | | |
| 9/22/2020 | | | 0.00065 (J) | | | |
| 9/23/2020 | | | | <0.0025 | | |
| 2/3/2021 | | | 0.00014 (J) | | | |
| 2/4/2021 | | | | <0.0025 | | |
| 3/11/2021 | | | 0.00043 (J) | | | |
| 3/12/2021 | | | | <0.0025 | | |
| 8/26/2021 | 0.13 | 0.005 | 0.0005 (J) | <0.0025 | | |
| 1/11/2022 | 0.11 | 0.0048 | | | | |
| 3/3/2022 | 0.086 | | 0.0003 (J) | <0.0025 | | |
| 3/4/2022 | | 0.004 | | | | |
| 6/6/2022 | 0.042 | | | | | |
| 6/7/2022 | | 0.0043 | | | | |
| 8/16/2022 | | | 0.00075 (J) | | | |
| 8/17/2022 | | 0.0037 | | <0.0025 | | |
| 8/18/2022 | 0.031 | | | | | |
| 10/19/2022 | | | | | 0.002 (J) | 0.0016 (J) |
| 2/15/2023 | 0.084 | 0.0049 | | <0.0025 | | |
| 2/16/2023 | | | <0.0025 | | 0.0013 (J) | 0.0014 (J) |

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | 0.0525 (U) | 0.184 (U) | 0.13 (U) | | | | |
| 5/18/2016 | | | | 0.025 (U) | 1.04 | 0.325 (U) | 8 |
| 7/19/2016 | 7.25 (O) | 0.27 (U) | 0.121 (U) | | | 0.433 (U) | 7.69 |
| 7/20/2016 | | | | 0.398 (U) | 0.812 | | |
| 9/13/2016 | 0.592 (U) | 0.194 (U) | 0.372 (U) | 0.215 (U) | 0.958 | | 6.98 |
| 11/9/2016 | 0.221 (U) | 0.219 (U) | 0.217 (U) | | | | 8.78 |
| 11/10/2016 | | | | 0.421 | 1.13 | | |
| 1/17/2017 | 0.295 (U) | | 0.595 | | | | |
| 1/18/2017 | | | | 0.434 (U) | 1.76 | | 10.4 |
| 1/19/2017 | | 0.0745 (U) | | | | 0.216 (U) | |
| 3/13/2017 | -0.13 (U) | | -0.147 (U) | | | | |
| 3/14/2017 | | 0.194 (U) | | 0.167 (U) | 0.788 | 0.119 (U) | 0.589 (O) |
| 4/24/2017 | 0.36 (U) | | 0.367 | | | | |
| 4/25/2017 | | 0.109 (U) | | 0.224 (U) | 1.13 | 0.105 (U) | 8.22 |
| 8/8/2017 | 0.382 | 0.0842 (U) | 0.402 | 0.127 (U) | | | 7.21 |
| 8/9/2017 | | | | | 1.31 | 0.385 (U) | |
| 3/27/2018 | 0.475 | | 0.453 | | | | |
| 3/28/2018 | | 0.424 | | 0.15 (U) | 1.32 | 0.492 | 7.52 |
| 6/13/2018 | -0.0181 (U) | 0.401 | | | | 0.275 (U) | 8.77 |
| 6/14/2018 | | | 0.402 | 0.258 (U) | 0.857 | | |
| 9/24/2018 | | | 0.318 | | | | |
| 9/27/2018 | 0.342 | | | | | | |
| 9/28/2018 | | 0.381 | | | | | |
| 10/2/2018 | | | | | | | 8.72 |
| 10/3/2018 | | | | 0.178 (U) | 0.943 | 0.72 | |
| 2/25/2019 | 0.394 | | 0.44 | | | | |
| 2/26/2019 | | 0.307 (U) | | 0.179 (U) | 0.65 | 0.113 (U) | 8.93 |
| 4/1/2019 | 0.169 (U) | | -0.00216 (U) | | | | |
| 4/2/2019 | | 0.0436 (U) | | 0.361 | 0.602 | 0.255 (U) | 7.8 |
| 9/16/2019 | 0.31 (U) | | | | | 0.318 (U) | 8.55 |
| 9/17/2019 | | 0.263 (U) | 0.165 (U) | | 0.788 | | |
| 9/18/2019 | | | | 0.189 (U) | | | |
| 2/3/2020 | 0.283 (U) | | 0.0879 (U) | | | | |
| 2/4/2020 | | | | -0.107 (U) | 1.49 | 0.198 (U) | 8.3 |
| 2/5/2020 | | 0.327 (U) | | | | | |
| 3/16/2020 | 0.394 (U) | | 0.289 (U) | | | | |
| 3/17/2020 | | 0.6 (U) | | -0.139 (U) | 0.964 | 0.207 (U) | 8.88 |
| 9/21/2020 | | | 0.418 (U) | 0.0688 (U) | 1.07 | | |
| 9/22/2020 | 0.729 | 0.557 (U) | | | | 0.954 | 7.65 |
| 2/2/2021 | 0.243 (U) | 0.354 (U) | 0.202 (U) | 0.182 (U) | 1.05 | | |
| 2/3/2021 | | | | | | -0.314 (U) | 9.99 |
| 3/10/2021 | | 0.218 (U) | 0.378 (U) | -0.177 (U) | 1.47 | 0.144 (U) | |
| 3/11/2021 | 0.046 (U) | | | | | | 9.2 |
| 8/23/2021 | | | 0.632 | | | | |
| 8/24/2021 | 0.598 | | | | 1.61 | 0.226 (U) | 9.78 |
| 8/25/2021 | | 0.645 | | -0.121 (U) | | | |
| 2/28/2022 | | | | | 1.3 | | |
| 3/1/2022 | -0.0398 (U) | | -0.141 (U) | 0.238 (U) | | 0.428 (U) | 9.86 |
| 3/3/2022 | | 0.474 | | | | | |
| 8/15/2022 | 0.559 | | 0.725 | | | 2.38 | 9.58 |
| 8/16/2022 | | 1.18 | | 0.628 | 2.02 | | |
| 2/14/2023 | 0.827 | 0.753 | 0.421 (U) | 0.605 | | 0.741 | 8.54 |

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|-----------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 2/15/2023 | | | | | 1.59 | | |

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|------------|------------|-------------|-----------|-----------|------------|
| 5/18/2016 | 0.268 (U) | 0.182 (U) | | | | | 0.569 |
| 5/19/2016 | | | 0.431 (U) | 0.0698 (U) | 0.219 (U) | | |
| 7/19/2016 | 0.369 (U) | | | | | | 0.29 (U) |
| 7/20/2016 | | -0.135 (U) | -0.263 (U) | -0.0646 (U) | 0.404 (U) | | |
| 9/13/2016 | 0.527 (U) | | | | | | |
| 9/14/2016 | | 0.311 (U) | 0.13 (U) | 0.199 (U) | 0.692 | | 0.412 (U) |
| 11/10/2016 | 0.871 | | | | 1 | | 0.709 |
| 11/11/2016 | | 0.542 | 0.0257 (U) | 0.467 | | | |
| 1/18/2017 | 0.213 (U) | | | | | | |
| 1/24/2017 | | | | | | | 0.779 |
| 1/27/2017 | | | 0.898 | 0.836 | 0.668 | | |
| 2/6/2017 | | 0.104 (U) | | | | | |
| 2/8/2017 | | | | | | 0.958 | |
| 2/23/2017 | | | | | | 0.771 | |
| 3/14/2017 | 0.0192 (U) | | | | | | 0.247 (U) |
| 3/15/2017 | | 0.523 | 0.121 (U) | 0.254 (U) | 0.847 | | |
| 3/17/2017 | | | | | | 1.7 | |
| 4/11/2017 | | | | | | 0.901 | |
| 4/25/2017 | 0.0872 (U) | | | | | | 0.515 |
| 4/26/2017 | | 0.069 (U) | 0.0309 (U) | 0.267 (U) | 0.408 (U) | 0.434 | |
| 5/17/2017 | | | | | | 0.632 | |
| 6/7/2017 | | | | | | 1.06 | |
| 7/11/2017 | | | | | | 0.716 | |
| 8/8/2017 | 0.219 (U) | | | | | | |
| 8/9/2017 | | | | | 0.816 | | 1.7 |
| 8/10/2017 | | 0.189 (U) | 0.326 (U) | 0.912 | | | |
| 3/28/2018 | 0.315 (U) | | | | | | |
| 3/29/2018 | | | 0.461 | 0.419 | 0.51 | 0.58 | |
| 3/30/2018 | | 0.575 | | | | | 0.0985 (U) |
| 6/14/2018 | 0.41 | 0.523 | 0.275 (U) | -0.263 (U) | 0.463 | 0.55 | 0.171 (U) |
| 10/3/2018 | 0.65 | | | | | | 0.766 |
| 10/4/2018 | | 0.84 | 1.18 | 1.29 | 0.99 | 0.563 | |
| 2/26/2019 | 0.395 | | | | | | |
| 2/27/2019 | | 0.236 (U) | 0.374 | 0.415 | 1.08 | 0.538 | 0.363 (U) |
| 4/2/2019 | 0.182 (U) | | | | | | |
| 4/3/2019 | | | 0.187 (U) | 0.264 (U) | 0.446 | 0.497 | |
| 4/4/2019 | | 0.233 (U) | | | | | 0.418 |
| 9/18/2019 | 0.299 (U) | | | | 0.392 | 0.376 (U) | 0.484 |
| 9/19/2019 | | 0.124 (U) | 0.338 (U) | 0.329 (U) | | | |
| 2/5/2020 | -0.0263 (U) | 0.0961 (U) | 0.163 (U) | 0.225 (U) | 0.609 | 0.5 | |
| 2/7/2020 | | | | | | | 0.125 (U) |
| 3/17/2020 | 0.258 (U) | | | | | | |
| 3/18/2020 | | 0.461 (U) | 0.866 | -0.0262 (U) | | | 0.303 (U) |
| 3/19/2020 | | | | | 0.47 | 0.376 (U) | |
| 9/22/2020 | 0.0523 (U) | | | | | | |
| 9/23/2020 | | 0.442 (U) | | 0.785 | | | 0.448 (U) |
| 9/24/2020 | | | 1.2 | | 1.02 | 0.796 | |
| 2/2/2021 | 0.167 (U) | | | | | | |
| 2/3/2021 | | | 0.718 | 0.322 (U) | | | |
| 2/4/2021 | | 0.0332 (U) | | | 0.139 (U) | 0.564 | 0.488 (U) |
| 3/10/2021 | 0.224 (U) | | | | | | |
| 3/11/2021 | | 0.42 (U) | | | 0.473 | 0.764 | |

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|-----------|------------|-----------|---------|-----------|------------|
| 3/12/2021 | | | 0.0729 (U) | 0.633 | | | 0.591 |
| 8/24/2021 | 0.465 (U) | | | | | | |
| 8/25/2021 | | | 0.401 | 0.443 (U) | 0.913 | 0.705 | |
| 8/26/2021 | | 0.321 (U) | | | | | 0.678 |
| 3/3/2022 | 0.415 | 0.587 | 0.622 | | 0.621 | 0.956 | 0.358 (U) |
| 3/4/2022 | | | | 0.408 | | | |
| 8/16/2022 | 0.653 | | 0.5 | | | | |
| 8/17/2022 | | | | | | | 0.563 |
| 8/18/2022 | | | | 0.279 (U) | 0.719 | | |
| 8/19/2022 | | 0.497 (U) | | | | 0.932 | |
| 2/14/2023 | -0.0224 (U) | | | | | | |
| 2/15/2023 | | | | | | | 0.0878 (U) |
| 2/16/2023 | | 0.326 (U) | 0.417 (U) | 0.388 (U) | 0.2 (U) | 0.455 (U) | |

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|-----------|-------------|------------|---------|---------|---------|-----------|
| 5/18/2016 | 1.03 | 0.116 (U) | | | | | |
| 7/19/2016 | 2.39 | | | | | | |
| 7/20/2016 | | 0.247 (U) | | | | | |
| 9/14/2016 | 3.05 | 0.594 | | | | | |
| 11/10/2016 | 2.87 | 0.431 | | | | | |
| 11/11/2016 | | | -0.11 (U) | | | | |
| 1/20/2017 | | 1.35 | | | | | |
| 1/24/2017 | 2.68 | | | | | | |
| 2/6/2017 | | | 0.471 | | | | |
| 3/14/2017 | | -0.107 (U) | | | | | |
| 3/15/2017 | 1.64 | | 0.255 (U) | | | | |
| 4/11/2017 | | | 0.19 (U) | | | | |
| 4/25/2017 | 0.878 | 0.228 (U) | | | | | |
| 4/26/2017 | | | 0.22 (U) | | | | |
| 6/7/2017 | | | 0.126 (U) | | | | |
| 7/11/2017 | | | 0.511 | | | | |
| 8/9/2017 | 2.5 | -0.0246 (U) | | | | | |
| 8/10/2017 | | | 0.882 | | | | |
| 3/29/2018 | 1.6 | | 0.252 (U) | | | | |
| 3/30/2018 | | 0.135 (U) | | | | | |
| 6/14/2018 | 1.09 | -0.373 (U) | 0.0458 (U) | | | | |
| 10/4/2018 | 1.99 | 0.775 | 0.381 | | | | |
| 2/26/2019 | | 0.431 | | | | | |
| 2/27/2019 | 0.721 | | | | | | |
| 2/28/2019 | | | 0.254 (U) | | | | |
| 4/2/2019 | | | 0.209 (U) | | | | |
| 4/4/2019 | 0.632 | 0.386 | | | | | |
| 9/18/2019 | 0.278 (U) | 0.167 (U) | 0.403 (U) | | | | |
| 2/7/2020 | 0.797 | 0.244 (U) | 0.2 (U) | | | | |
| 3/18/2020 | 0.437 | 0.0655 (U) | | | | | |
| 5/4/2020 | | | 0.0697 (U) | | | | |
| 9/23/2020 | 0.276 (U) | 0.643 | 1.18 | | | | |
| 2/3/2021 | | | 0.684 | | | | |
| 2/4/2021 | 0.727 | 0.438 (U) | | | | | |
| 3/11/2021 | 0.942 | 0.247 (U) | 0.286 (U) | | | | |
| 8/25/2021 | 0.518 | 0.565 | | | | | |
| 8/26/2021 | | | 0.796 | 1.6 | 1.17 | 3.54 | 0.703 |
| 1/11/2022 | | | | | 0.919 | 6.91 | 0.218 (U) |
| 1/12/2022 | | | | 1.09 | | | |
| 3/3/2022 | 0.573 | | 0.909 | | 1.31 | | |
| 3/4/2022 | | 0.573 | | 0.925 | | 7.57 | 0.437 (U) |
| 6/6/2022 | | | | | 2.61 | | 1.45 |
| 6/7/2022 | | | | 0.67 | | 4.67 | |
| 8/16/2022 | | 0.668 | | | 1.35 | | |
| 8/17/2022 | 0.946 | | 0.155 (U) | | | | 0.976 |
| 8/18/2022 | | | | 0.994 | | | |
| 8/19/2022 | | | | | | 3.07 | |
| 2/15/2023 | 0.734 | | | | | 5.98 | 0.985 |
| 2/16/2023 | | 0.121 (U) | 0.248 (U) | 0.853 | 0.617 | | |

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|---------|---------|-----------|------------|-----------|----------|
| 5/19/2016 | | | 0.711 (U) | 0.209 (U) | | |
| 7/20/2016 | | | 1.14 | -0.084 (U) | | |
| 9/14/2016 | | | | 0.42 (U) | | |
| 9/15/2016 | | | 1.26 | | | |
| 11/14/2016 | | | 0.749 | | | |
| 2/6/2017 | | | 1.05 | | | |
| 2/9/2017 | | | | 0.393 | | |
| 3/15/2017 | | | 1.32 | 0.271 (U) | | |
| 4/11/2017 | | | | 0.488 (U) | | |
| 4/26/2017 | | | 1.07 | 0.14 (U) | | |
| 8/10/2017 | | | 1.88 | 0.379 | | |
| 3/29/2018 | | | 2.31 | 0.278 (U) | | |
| 6/14/2018 | | | 1.86 | 0.157 (U) | | |
| 10/4/2018 | | | 2.44 | 0.48 | | |
| 2/27/2019 | | | 2.42 | | | |
| 2/28/2019 | | | | 0.271 (U) | | |
| 4/3/2019 | | | 1.55 | 0.0621 (U) | | |
| 9/19/2019 | | | 2.06 | 0.537 | | |
| 2/5/2020 | | | | -0.137 (U) | | |
| 2/7/2020 | | | 1.66 | | | |
| 3/19/2020 | | | 1.21 | 0.23 (U) | | |
| 9/22/2020 | | | 1.75 | | | |
| 9/23/2020 | | | | 0.0587 (U) | | |
| 2/3/2021 | | | 2 | | | |
| 2/4/2021 | | | | 0.353 (U) | | |
| 3/11/2021 | | | 2.38 | | | |
| 3/12/2021 | | | | 0.831 | | |
| 8/26/2021 | 1.63 | 1.12 | 2.87 | 0.681 | | |
| 1/11/2022 | 0.749 | 0.606 | | | | |
| 3/3/2022 | 0.893 | | 3.18 | 0.431 (U) | | |
| 3/4/2022 | | 0.818 | | | | |
| 6/6/2022 | 0.845 | | | | | |
| 6/7/2022 | | 0.5 | | | | |
| 8/16/2022 | | | 2.4 | | | |
| 8/17/2022 | | 0.763 | | 0.139 (U) | | |
| 8/18/2022 | 1.03 | | | | | |
| 10/19/2022 | | | | | 0.185 (U) | 3.77 |
| 2/15/2023 | 0.974 | 0.873 | | 0.0109 (U) | | |
| 2/16/2023 | | | 3.04 | | 2.16 | 5.49 |

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | 0.0131 (J) | 0.284 (J) | 0.0538 (J) | | | | |
| 5/18/2016 | | | | 0.029 (J) | 0.164 (J) | 0.014 (J) | 0.106 (J) |
| 7/19/2016 | <0.1 | 0.21 | <0.2 | | | <0.1 | 0.11 (J) |
| 7/20/2016 | | | | <0.1 | 0.17 (J) | | |
| 9/13/2016 | <0.1 | 0.15 (J) | <0.2 | <0.1 | 0.15 (J) | | 0.11 (J) |
| 9/14/2016 | | | | | | 0.095 (J) | |
| 11/9/2016 | <0.1 | <0.1 | 0.085 (J) | | | | 0.1 (J) |
| 11/10/2016 | | | | <0.1 | 0.12 (J) | | |
| 1/17/2017 | <0.1 | | <0.2 | | | | |
| 1/18/2017 | | | | <0.1 | 0.15 (J) | | 0.11 (J) |
| 1/19/2017 | | 0.087 (J) | | | | <0.1 | |
| 3/13/2017 | <0.1 | | <0.2 | | | | |
| 3/14/2017 | | <0.1 | | <0.1 | 0.13 (J) | <0.1 | <0.2 |
| 4/24/2017 | <0.1 | | <0.2 | | | | |
| 4/25/2017 | | <0.1 | | <0.1 | 0.12 (J) | <0.1 | <0.2 |
| 8/8/2017 | <0.1 | 0.087 (J) | <0.2 | <0.1 | | | 0.099 (J) |
| 8/9/2017 | | | | | 0.14 (J) | <0.1 | |
| 10/10/2017 | <0.1 | | 0.18 (J) | | | | |
| 10/11/2017 | | 0.09 (J) | | <0.1 | 0.14 (J) | <0.1 | 0.098 (J) |
| 3/27/2018 | <0.1 | | <0.2 | | | | |
| 3/28/2018 | | 0.11 (J) | | <0.1 | 0.12 (J) | <0.1 | 0.088 (J) |
| 6/13/2018 | <0.1 | 0.085 (J) | | | | <0.1 | 0.093 (J) |
| 6/14/2018 | | | <0.2 | <0.1 | 0.12 (J) | | |
| 9/24/2018 | | | <0.2 | | | | |
| 9/27/2018 | <0.1 | | | | | | |
| 9/28/2018 | | 0.082 (J) | | | | | |
| 10/2/2018 | | | | | | | 0.13 (J) |
| 10/3/2018 | | | | <0.1 | 0.13 (J) | <0.1 | |
| 2/25/2019 | <0.1 | | 0.032 (J) | | | | |
| 2/26/2019 | | 0.23 | | <0.1 | 0.14 (J) | <0.1 | 0.074 (J) |
| 4/1/2019 | <0.1 | | 0.061 (J) | | | | |
| 4/2/2019 | | 0.21 | | 0.039 (J) | 0.14 (J) | <0.1 | 0.09 (J) |
| 9/16/2019 | 0.03 (J) | | | | | <0.1 | 0.1 (J) |
| 9/17/2019 | | 0.079 (J) | 0.061 (J) | | 0.14 (J) | | |
| 9/18/2019 | | | | 0.033 (J) | | | |
| 2/3/2020 | 0.032 (J) | | 0.061 (J) | | | | |
| 2/4/2020 | | | | 0.031 (J) | 0.13 | <0.1 | 0.13 |
| 2/5/2020 | | 0.12 | | | | | |
| 3/16/2020 | 0.042 (J) | | 0.052 (J) | | | | |
| 3/17/2020 | | <0.1 | | 0.04 (J) | 0.11 | <0.1 | 0.037 (J) |
| 9/21/2020 | | | 0.037 (J) | <0.1 | 0.091 (J) | | |
| 9/22/2020 | <0.1 | 0.1 | | | | <0.1 | 0.068 (J) |
| 2/2/2021 | 0.028 (J) | 0.071 (J) | 0.065 (J) | 0.035 (J) | 0.15 | | |
| 2/3/2021 | | | | | | <0.1 | 0.088 (J) |
| 3/10/2021 | | 0.046 (J) | 0.045 (J) | <0.1 | 0.12 | <0.1 | |
| 3/11/2021 | <0.1 | | | | | | 0.092 (J) |
| 8/23/2021 | | | 0.097 (J) | | | | |
| 8/24/2021 | 0.062 (J) | | | | 0.17 | 0.073 (J) | 0.16 |
| 8/25/2021 | | 0.13 | | 0.077 (J) | | | |
| 2/28/2022 | | | | | 0.083 (J) | | |
| 3/1/2022 | <0.1 | | 0.058 (J) | <0.1 | | <0.1 | 0.063 (J) |
| 3/3/2022 | | 0.078 (J) | | | | | |

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|-----------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 8/15/2022 | <0.1 | | 0.057 (J) | | | <0.1 | 0.093 (J) |
| 8/16/2022 | | 0.06 (J) | | <0.1 | 0.12 | | |
| 2/14/2023 | <0.1 | 0.053 (J) | 0.07 (J) | 0.041 (J) | | <0.1 | 0.11 |
| 2/15/2023 | | | | | 0.14 | | |

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|-----------|-----------|-----------|---------|-----------|---------|
| 5/18/2016 | 0.018 (J) | 0.206 | | | | | 0.779 |
| 5/19/2016 | | | 0.039 (J) | 0.12 (J) | 0.384 | | |
| 7/19/2016 | <0.1 | | | | | | 0.97 |
| 7/20/2016 | | 0.23 | <0.1 | 0.11 (J) | 0.34 | | |
| 9/13/2016 | <0.1 | | | | | | |
| 9/14/2016 | | 0.17 (J) | <0.1 | 0.095 (J) | 0.31 | | 0.89 |
| 11/10/2016 | <0.1 | | | | 0.26 | | 0.88 |
| 11/11/2016 | | 0.14 (J) | <0.1 | <0.2 | | | |
| 1/18/2017 | <0.1 | | | | | | |
| 1/24/2017 | | | | | | | 0.92 |
| 1/27/2017 | | | <0.1 | <0.2 | 0.28 | | |
| 2/6/2017 | | 0.15 (J) | | | | | |
| 2/8/2017 | | | | | | <0.1 | |
| 2/23/2017 | | | | | | <0.1 | |
| 3/14/2017 | <0.1 | | | | | | 0.77 |
| 3/15/2017 | | 0.16 (J) | <0.1 | <0.2 | 0.3 | | |
| 3/17/2017 | | | | | | <0.1 | |
| 4/11/2017 | | | | | | <0.1 | |
| 4/25/2017 | <0.1 | | | | | | 0.95 |
| 4/26/2017 | | 0.17 (J) | <0.1 | <0.2 | 0.33 | <0.1 | |
| 5/17/2017 | | | | | | <0.1 | |
| 6/7/2017 | | | | | | <0.1 | |
| 7/11/2017 | | | | | | <0.1 | |
| 8/8/2017 | <0.1 | | | | | | |
| 8/9/2017 | | | | | 0.32 | | 0.91 |
| 8/10/2017 | | 0.2 | <0.1 | 0.11 (J) | | | |
| 10/11/2017 | <0.1 | | | | | <0.1 | 0.88 |
| 10/12/2017 | | 0.14 (J) | <0.1 | 0.091 (J) | 0.28 | | |
| 3/28/2018 | <0.1 | | | | | | |
| 3/29/2018 | | | <0.1 | 0.089 (J) | 0.27 | <0.1 | |
| 3/30/2018 | | 0.13 (J) | | | | | 0.79 |
| 6/14/2018 | <0.1 | 0.15 (J) | <0.1 | 0.1 (J) | 0.27 | <0.1 | 0.79 |
| 10/3/2018 | <0.1 | | | | | | 0.79 |
| 10/4/2018 | | 0.18 (J) | <0.1 | 0.12 (J) | 0.23 | <0.1 | |
| 2/26/2019 | <0.1 | | | | | | |
| 2/27/2019 | | 0.21 | 0.047 (J) | 0.06 (J) | 0.25 | <0.1 | 0.81 |
| 4/2/2019 | <0.1 | | | | | | |
| 4/3/2019 | | | 0.048 (J) | 0.084 (J) | 0.24 | 0.048 (J) | |
| 4/4/2019 | | 0.13 (J) | | | | | 0.78 |
| 9/18/2019 | 0.027 (J) | | | | 0.22 | 0.035 (J) | 0.81 |
| 9/19/2019 | | 0.13 (J) | 0.037 (J) | 0.093 (J) | | | |
| 2/5/2020 | 0.026 (J) | 0.14 | 0.045 (J) | 0.098 (J) | 0.2 | 0.04 (J) | |
| 2/7/2020 | | | | | | | 0.79 |
| 3/17/2020 | 0.044 (J) | | | | | | |
| 3/18/2020 | | 0.052 (J) | <0.1 | 0.033 (J) | | | 0.71 |
| 3/19/2020 | | | | | 0.15 | <0.1 | |
| 9/22/2020 | <0.1 | | | | | | |
| 9/23/2020 | | 0.09 (J) | | 0.064 (J) | | | 0.63 |
| 9/24/2020 | | | 0.18 | | <0.1 | 0.028 (J) | |
| 2/2/2021 | <0.1 | | | | | | |
| 2/3/2021 | | | 0.027 (J) | 0.082 (J) | | | |
| 2/4/2021 | | 0.12 | | | 0.16 | 0.033 (J) | 0.69 |

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|-----------|-----------|-----------|---------|-----------|---------|
| 3/10/2021 | <0.1 | | | | | | |
| 3/11/2021 | | 0.15 | | | 0.18 | 0.04 (J) | |
| 3/12/2021 | | | 0.044 (J) | 0.096 (J) | | | 0.88 |
| 8/24/2021 | 0.054 (J) | | | | | | |
| 8/25/2021 | | | 0.056 (J) | 0.14 | 0.2 | 0.071 (J) | |
| 8/26/2021 | | 0.16 | | | | | 0.77 |
| 3/3/2022 | 0.038 (J) | 0.067 (J) | 0.055 (J) | | 0.21 | 0.057 (J) | 0.88 |
| 3/4/2022 | | | | 0.068 (J) | | | |
| 8/16/2022 | <0.1 | | <0.1 | | | | |
| 8/17/2022 | | | | | | | 0.68 |
| 8/18/2022 | | | | 0.073 (J) | 0.14 | | |
| 8/19/2022 | | 0.1 | | | | <0.1 | |
| 2/14/2023 | <0.1 | | | | | | |
| 2/15/2023 | | | | | | | 0.73 |
| 2/16/2023 | | 0.11 | 0.041 (J) | 0.089 (J) | 0.15 | <0.1 | |

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|-----------|-----------|---------|---------|---------|---------|-----------|
| 5/18/2016 | 0.1 (J) | 0.121 (J) | | | | | |
| 7/19/2016 | 0.14 (J) | | | | | | |
| 7/20/2016 | | 0.16 (J) | | | | | |
| 9/14/2016 | 0.18 (J) | 0.19 (J) | | | | | |
| 11/10/2016 | 0.11 (J) | 0.15 (J) | | | | | |
| 11/11/2016 | | | 0.32 | | | | |
| 1/20/2017 | | 0.18 (J) | | | | | |
| 1/24/2017 | 0.15 (J) | | | | | | |
| 2/6/2017 | | | 0.45 | | | | |
| 3/14/2017 | | 0.11 (J) | | | | | |
| 3/15/2017 | 0.1 (J) | | 0.37 | | | | |
| 4/11/2017 | | | 0.37 | | | | |
| 4/25/2017 | 0.13 (J) | 0.13 (J) | | | | | |
| 4/26/2017 | | | 0.4 | | | | |
| 6/7/2017 | | | 0.35 | | | | |
| 7/11/2017 | | | 0.39 | | | | |
| 8/9/2017 | 0.18 (J) | 0.19 (J) | | | | | |
| 8/10/2017 | | | 0.42 | | | | |
| 10/11/2017 | <2 | 0.14 (J) | | | | | |
| 10/12/2017 | | | 0.36 | | | | |
| 3/29/2018 | 0.13 (J) | | 0.34 | | | | |
| 3/30/2018 | | 0.095 (J) | | | | | |
| 6/14/2018 | <2 | 0.11 (J) | 0.35 | | | | |
| 10/4/2018 | 0.85 (J) | 0.11 (J) | 0.35 | | | | |
| 2/26/2019 | | 0.068 (J) | | | | | |
| 2/27/2019 | 0.47 | | | | | | |
| 2/28/2019 | | | 0.28 | | | | |
| 4/2/2019 | | | 0.33 | | | | |
| 4/4/2019 | 0.08 (J) | 0.087 (J) | | | | | |
| 9/18/2019 | 0.058 (J) | 0.066 (J) | 0.32 | | | | |
| 2/7/2020 | 0.072 (J) | 0.079 (J) | 0.35 | | | | |
| 3/18/2020 | 0.084 (J) | <0.1 | | | | | |
| 5/4/2020 | | | 0.36 | | | | |
| 9/23/2020 | 0.049 (J) | 0.05 (J) | 0.25 | | | | |
| 2/3/2021 | | | 0.3 | | | | |
| 2/4/2021 | 0.052 (J) | 0.064 (J) | | | | | |
| 3/8/2021 | | | | 1.8 | | | |
| 3/9/2021 | | | | | 1.7 | 1.1 | 0.092 (J) |
| 3/11/2021 | 0.061 (J) | 0.05 (J) | 0.31 | | | | |
| 4/7/2021 | | | | | 1.6 | | 0.093 (J) |
| 4/8/2021 | | | | 1.7 | | 1.4 | |
| 8/25/2021 | 0.099 (J) | 0.093 (J) | | | | | |
| 8/26/2021 | | | 0.38 | 2 | 2 | 0.51 | 0.081 (J) |
| 1/11/2022 | | | | | 1.9 | 0.45 | 0.045 (J) |
| 1/12/2022 | | | | 1.8 | | | |
| 3/3/2022 | 0.067 (J) | | 0.4 | | 1.8 | | |
| 3/4/2022 | | 0.06 (J) | | 2 | | 0.42 | 0.045 (J) |
| 6/6/2022 | | | | | 1.9 | | 0.028 (J) |
| 6/7/2022 | | | | 2.5 | | 0.37 | |
| 8/16/2022 | | 0.06 (J) | | | 1.8 | | |
| 8/17/2022 | 0.062 (J) | | 0.28 | | | | 0.043 (J) |
| 8/18/2022 | | | | 2 | | | |

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|-----------|-----------|-----------|---------|---------|---------|---------|-----------|
| 8/19/2022 | | | | | | 0.31 | |
| 2/15/2023 | 0.076 (J) | | | | | 0.31 | 0.048 (J) |
| 2/16/2023 | | 0.069 (J) | 0.33 | 1.9 | 1.9 | | |

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|---------|-----------|-----------|--------|---------|----------|
| 5/19/2016 | | | 0.304 | 1.58 | | |
| 7/20/2016 | | | 0.27 | 2 | | |
| 9/14/2016 | | | | 1.8 | | |
| 9/15/2016 | | | 0.24 | | | |
| 11/14/2016 | | | 0.2 | | | |
| 2/6/2017 | | | 0.27 | | | |
| 2/9/2017 | | | | 1.3 | | |
| 3/15/2017 | | | 0.25 | 1.3 | | |
| 4/11/2017 | | | | 1.4 | | |
| 4/26/2017 | | | 0.31 | 1.5 | | |
| 8/10/2017 | | | 0.37 | 1.6 | | |
| 10/12/2017 | | | 0.35 | 1.5 | | |
| 3/29/2018 | | | 0.36 | 1.4 | | |
| 6/14/2018 | | | 0.56 | 1.4 | | |
| 10/4/2018 | | | 0.27 | 1.4 | | |
| 2/27/2019 | | | 0.054 (J) | | | |
| 2/28/2019 | | | | 1.4 | | |
| 4/3/2019 | | | 0.5 | 1.3 | | |
| 9/19/2019 | | | 0.42 | 1.3 | | |
| 2/5/2020 | | | | 1.3 | | |
| 2/7/2020 | | | 0.25 | | | |
| 3/19/2020 | | | 0.057 (J) | 1 | | |
| 9/22/2020 | | | 0.14 | | | |
| 9/23/2020 | | | | 0.82 | | |
| 2/3/2021 | | | 0.15 | | | |
| 2/4/2021 | | | | 0.91 | | |
| 3/8/2021 | | <0.1 | | | | |
| 3/9/2021 | 1 | | | | | |
| 3/11/2021 | | | 0.16 | | | |
| 3/12/2021 | | | | 0.98 | | |
| 4/7/2021 | 1.1 | | | | | |
| 4/8/2021 | | 0.028 (J) | | | | |
| 8/26/2021 | 1.2 | 0.047 (J) | 0.21 | 1 | | |
| 1/11/2022 | 1 | 0.028 (J) | | | | |
| 3/3/2022 | 0.71 | | 0.19 | 1 | | |
| 3/4/2022 | | 0.038 (J) | | | | |
| 6/6/2022 | 0.43 | | | | | |
| 6/7/2022 | | <0.1 | | | | |
| 8/16/2022 | | | 0.21 | | | |
| 8/17/2022 | | <0.1 | | 0.9 | | |
| 8/18/2022 | 0.24 | | | | | |
| 10/19/2022 | | | | | 0.52 | 1.8 |
| 2/15/2023 | 0.63 | <0.1 | | 0.85 | | |
| 2/16/2023 | | | 0.14 | | 0.92 | 1.7 |

Time Series

Constituent: Lead (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | <0.001 | <0.001 | <0.001 | | | | |
| 5/18/2016 | | | | <0.001 | <0.001 | <0.001 | <0.001 |
| 7/19/2016 | <0.001 | <0.001 | <0.001 | | | <0.001 | <0.001 |
| 7/20/2016 | | | | <0.001 | <0.001 | | |
| 9/13/2016 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | | <0.001 |
| 9/14/2016 | | | | | | <0.001 | |
| 11/9/2016 | <0.001 | <0.001 | <0.001 | | | | <0.001 |
| 11/10/2016 | | | | <0.001 | <0.001 | | |
| 1/17/2017 | <0.001 | | <0.001 | | | | |
| 1/18/2017 | | | | <0.001 | <0.001 | | <0.001 |
| 1/19/2017 | | <0.001 | | | | <0.001 | |
| 3/13/2017 | <0.001 | | <0.001 | | | | |
| 3/14/2017 | | <0.001 | | <0.001 | <0.001 | <0.001 | <0.001 |
| 4/24/2017 | <0.001 | | <0.001 | | | | |
| 4/25/2017 | | <0.001 | | <0.001 | <0.001 | <0.001 | <0.001 |
| 8/8/2017 | <0.001 | <0.001 | <0.001 | <0.001 | | | <0.001 |
| 8/9/2017 | | | | | <0.001 | <0.001 | |
| 3/27/2018 | <0.001 | | <0.001 | | | | |
| 3/28/2018 | | <0.001 | | <0.001 | <0.001 | <0.001 | <0.001 |
| 2/25/2019 | <0.001 | | 0.00019 (J) | | | | |
| 2/26/2019 | | <0.001 | | <0.001 | 0.00046 (J) | 0.00028 (J) | 0.00037 (J) |
| 4/1/2019 | <0.001 | | <0.001 | | | | |
| 4/2/2019 | | <0.001 | | <0.001 | <0.001 | <0.001 | <0.001 |
| 9/16/2019 | <0.001 | | | | | <0.001 | <0.001 |
| 9/17/2019 | | <0.001 | <0.001 | | <0.001 | | |
| 9/18/2019 | | | | <0.001 | | | |
| 2/3/2020 | <0.001 | | 0.00013 (J) | | | | |
| 2/4/2020 | | | | 0.00013 (J) | 0.00019 (J) | 0.00024 (J) | <0.001 |
| 2/5/2020 | | <0.001 | | | | | |
| 3/16/2020 | 0.00021 (J) | | 0.00018 (J) | | | | |
| 3/17/2020 | | <0.001 | | 0.00019 (J) | 0.00016 (J) | <0.001 | 0.00017 (J) |
| 9/21/2020 | | | <0.001 | <0.001 | <0.001 | | |
| 9/22/2020 | <0.001 | <0.001 | | | | <0.001 | <0.001 |
| 2/2/2021 | 0.00015 (J) | <0.001 | 0.00015 (J) | <0.001 | <0.001 | | |
| 2/3/2021 | | | | | | 0.00019 (J) | <0.001 |
| 3/10/2021 | | <0.001 | 0.00019 (J) | <0.001 | <0.001 | <0.001 | |
| 3/11/2021 | <0.001 | | | | | | <0.001 |
| 8/23/2021 | | | 0.00023 (J) | | | | |
| 8/24/2021 | <0.001 | | | | <0.001 | <0.001 | <0.001 |
| 8/25/2021 | | <0.001 | | <0.001 | | | |
| 2/28/2022 | | | | | <0.001 | | |
| 3/1/2022 | <0.001 | | <0.001 | <0.001 | | <0.001 | <0.001 |
| 3/3/2022 | | <0.001 | | | | | |
| 8/15/2022 | <0.001 | | <0.001 | | | <0.001 | 0.00019 (J) |
| 8/16/2022 | | <0.001 | | <0.001 | <0.001 | | |
| 2/14/2023 | <0.001 | <0.001 | <0.001 | <0.001 | | <0.001 | <0.001 |
| 2/15/2023 | | | | | <0.001 | | |

Time Series

Constituent: Lead (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|-------------|-------------|---------|-------------|-------------|------------|
| 5/18/2016 | <0.001 | <0.001 | | | | | <0.001 |
| 5/19/2016 | | | <0.001 | <0.001 | <0.001 | | |
| 7/19/2016 | <0.001 | | | | | | <0.001 |
| 7/20/2016 | | <0.001 | <0.001 | <0.001 | <0.001 | | |
| 9/13/2016 | <0.001 | | | | | | |
| 9/14/2016 | | <0.001 | <0.001 | <0.001 | 0.00055 (J) | | <0.001 |
| 11/10/2016 | <0.001 | | | | 0.00047 (J) | | <0.001 |
| 11/11/2016 | | <0.001 | <0.001 | <0.001 | | | |
| 1/18/2017 | <0.001 | | | | | | |
| 1/24/2017 | | | | | | | <0.001 |
| 1/27/2017 | | | <0.001 | <0.001 | <0.001 | | |
| 2/6/2017 | | <0.001 | | | | | |
| 2/8/2017 | | | | | | <0.001 | |
| 2/23/2017 | | | | | | <0.001 | |
| 3/14/2017 | <0.001 | | | | | | <0.001 |
| 3/15/2017 | | <0.001 | <0.001 | <0.001 | <0.001 | | |
| 3/17/2017 | | | | | | <0.001 | |
| 4/11/2017 | | | | | | <0.001 | |
| 4/25/2017 | <0.001 | | | | | | <0.001 |
| 4/26/2017 | | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | |
| 5/17/2017 | | | | | | <0.001 | |
| 6/7/2017 | | | | | | <0.001 | |
| 7/11/2017 | | | | | | <0.001 | |
| 8/8/2017 | <0.001 | | | | | | |
| 8/9/2017 | | | | | <0.001 | | <0.001 |
| 8/10/2017 | | <0.001 | <0.001 | <0.001 | | | |
| 3/28/2018 | <0.001 | | | | | | |
| 3/29/2018 | | | <0.001 | <0.001 | <0.001 | <0.001 | |
| 3/30/2018 | | <0.001 | | | | | <0.001 |
| 2/26/2019 | <0.001 | | | | | | |
| 2/27/2019 | | 0.00023 (J) | 0.00058 (J) | <0.001 | 0.00068 (J) | <0.001 | <0.001 |
| 4/2/2019 | <0.001 | | | | | | |
| 4/3/2019 | | | <0.001 | <0.001 | 0.00047 (J) | <0.001 | |
| 4/4/2019 | | <0.001 | | | | | <0.001 |
| 9/18/2019 | <0.001 | | | | 0.00045 (J) | <0.001 | <0.001 |
| 9/19/2019 | | 0.00041 (J) | <0.001 | <0.001 | | | |
| 2/5/2020 | <0.001 | 0.00016 (J) | <0.001 | <0.001 | 0.00045 (J) | <0.001 | |
| 2/7/2020 | | | | | | | <0.001 |
| 3/17/2020 | <0.001 | | | | | | |
| 3/18/2020 | | 0.00021 (J) | <0.001 | <0.001 | | | <0.001 |
| 3/19/2020 | | | | | 0.0006 (J) | 0.00017 (J) | |
| 9/22/2020 | <0.001 | | | | | | |
| 9/23/2020 | | 0.00013 (J) | | <0.001 | | | <0.001 |
| 9/24/2020 | | | 0.00037 (J) | | <0.001 | 0.00018 (J) | |
| 2/2/2021 | <0.001 | | | | | | |
| 2/3/2021 | | | <0.001 | <0.001 | | | |
| 2/4/2021 | | 0.00019 (J) | | | 0.00038 (J) | 0.00013 (J) | 0.0003 (J) |
| 3/10/2021 | <0.001 | | | | | | |
| 3/11/2021 | | 0.00032 (J) | | | 0.00075 (J) | 0.00031 (J) | |
| 3/12/2021 | | | 0.00038 (J) | <0.001 | | | <0.001 |
| 8/24/2021 | <0.001 | | | | | | |
| 8/25/2021 | | | 0.00023 (J) | <0.001 | 0.00025 (J) | 0.00041 (J) | |

Time Series

Constituent: Lead (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|-------------|---------|-------------|-------------|-------------|---------|
| 8/26/2021 | | 0.00026 (J) | | | | | <0.001 |
| 3/3/2022 | <0.001 | 0.00025 (J) | <0.001 | | 0.00023 (J) | 0.00057 (J) | <0.001 |
| 3/4/2022 | | | | 0.00033 (J) | | | |
| 8/16/2022 | <0.001 | | <0.001 | | | | |
| 8/17/2022 | | | | | | | <0.001 |
| 8/18/2022 | | | | <0.001 | 0.0011 | | |
| 8/19/2022 | | 0.0003 (J) | | | | 0.00036 (J) | |
| 2/14/2023 | <0.001 | | | | | | |
| 2/15/2023 | | | | | | | <0.001 |
| 2/16/2023 | | <0.001 | <0.001 | <0.001 | 0.00027 (J) | 0.00024 (J) | |

Time Series

Constituent: Lead (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|-------------|-------------|------------|---------|---------|-------------|---------|
| 5/18/2016 | <0.001 | <0.001 | | | | | |
| 7/19/2016 | <0.001 | | | | | | |
| 7/20/2016 | | <0.001 | | | | | |
| 9/14/2016 | <0.001 | <0.001 | | | | | |
| 11/10/2016 | <0.001 | <0.001 | | | | | |
| 11/11/2016 | | | <0.001 | | | | |
| 1/20/2017 | | <0.001 | | | | | |
| 1/24/2017 | <0.001 | | | | | | |
| 2/6/2017 | | | <0.001 | | | | |
| 3/14/2017 | | <0.001 | | | | | |
| 3/15/2017 | <0.001 | | <0.001 | | | | |
| 4/11/2017 | | | <0.001 | | | | |
| 4/25/2017 | <0.001 | <0.001 | | | | | |
| 4/26/2017 | | | <0.001 | | | | |
| 6/7/2017 | | | <0.001 | | | | |
| 7/11/2017 | | | <0.001 | | | | |
| 8/9/2017 | <0.001 | <0.001 | | | | | |
| 8/10/2017 | | | <0.001 | | | | |
| 3/29/2018 | <0.001 | | <0.001 | | | | |
| 3/30/2018 | | <0.001 | | | | | |
| 2/26/2019 | | 0.00033 (J) | | | | | |
| 2/27/2019 | 0.00014 (J) | | | | | | |
| 2/28/2019 | | | <0.001 | | | | |
| 4/2/2019 | | | <0.001 | | | | |
| 4/4/2019 | <0.001 | <0.001 | | | | | |
| 9/18/2019 | <0.001 | <0.001 | <0.001 | | | | |
| 2/7/2020 | <0.001 | <0.001 | <0.001 | | | | |
| 3/18/2020 | <0.001 | 0.0002 (J) | | | | | |
| 5/4/2020 | | | <0.001 | | | | |
| 9/23/2020 | <0.001 | <0.001 | <0.001 | | | | |
| 2/3/2021 | | | <0.001 | | | | |
| 2/4/2021 | 0.00013 (J) | <0.001 | | | | | |
| 3/11/2021 | <0.001 | <0.001 | <0.001 | | | | |
| 8/25/2021 | <0.001 | <0.001 | | | | | |
| 8/26/2021 | | | <0.001 | <0.001 | <0.001 | 0.00022 (J) | <0.001 |
| 1/11/2022 | | | | | <0.001 | 0.00023 (J) | <0.001 |
| 1/12/2022 | | | | <0.001 | | | |
| 3/3/2022 | <0.001 | | 0.0003 (J) | | <0.001 | | |
| 3/4/2022 | | <0.001 | | <0.001 | | 0.00036 (J) | <0.001 |
| 6/6/2022 | | | | | <0.001 | | <0.001 |
| 6/7/2022 | | | | <0.001 | | <0.001 | |
| 8/16/2022 | | <0.001 | | | <0.001 | | |
| 8/17/2022 | <0.001 | | <0.001 | | | | <0.001 |
| 8/18/2022 | | | | <0.001 | | | |
| 8/19/2022 | | | | | | 0.00037 (J) | |
| 2/15/2023 | <0.001 | | | | | 0.00023 (J) | 0.0046 |
| 2/16/2023 | | <0.001 | <0.001 | <0.001 | <0.001 | | |

Time Series

Constituent: Lead (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|-------------|---------|-------------|-------------|---------|----------|
| 5/19/2016 | | | <0.001 | <0.001 | | |
| 7/20/2016 | | | <0.001 | <0.001 | | |
| 9/14/2016 | | | | <0.001 | | |
| 9/15/2016 | | | <0.001 | | | |
| 11/14/2016 | | | <0.001 | | | |
| 2/6/2017 | | | <0.001 | | | |
| 2/9/2017 | | | | <0.001 | | |
| 3/15/2017 | | | <0.001 | <0.001 | | |
| 4/11/2017 | | | | <0.001 | | |
| 4/26/2017 | | | <0.001 | <0.001 | | |
| 8/10/2017 | | | <0.001 | <0.001 | | |
| 3/29/2018 | | | <0.001 | <0.001 | | |
| 2/27/2019 | | | 0.00017 (J) | | | |
| 2/28/2019 | | | | 0.00014 (J) | | |
| 4/3/2019 | | | <0.001 | <0.001 | | |
| 9/19/2019 | | | <0.001 | <0.001 | | |
| 2/5/2020 | | | | <0.001 | | |
| 2/7/2020 | | | <0.001 | | | |
| 3/19/2020 | | | 0.00016 (J) | <0.001 | | |
| 9/22/2020 | | | 0.00013 (J) | | | |
| 9/23/2020 | | | | <0.001 | | |
| 2/3/2021 | | | 0.00013 (J) | | | |
| 2/4/2021 | | | | <0.001 | | |
| 3/11/2021 | | | <0.001 | | | |
| 3/12/2021 | | | | <0.001 | | |
| 8/26/2021 | 0.0012 | <0.001 | 0.00014 (J) | <0.001 | | |
| 1/11/2022 | 0.00082 (J) | <0.001 | | | | |
| 3/3/2022 | 0.00076 (J) | | 0.00052 (J) | <0.001 | | |
| 3/4/2022 | | <0.001 | | | | |
| 6/6/2022 | 0.00047 (J) | | | | | |
| 6/7/2022 | | <0.001 | | | | |
| 8/16/2022 | | | 0.00041 (J) | | | |
| 8/17/2022 | | <0.001 | | <0.001 | | |
| 8/18/2022 | 0.00032 (J) | | | | | |
| 10/19/2022 | | | | | <0.001 | <0.001 |
| 2/15/2023 | 0.00056 (J) | <0.001 | | <0.001 | | |
| 2/16/2023 | | | 0.00029 (J) | | <0.001 | <0.001 |

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | <0.05 (O) | <0.05 (O) | <0.05 (O) | | | | |
| 5/18/2016 | | | | <0.05 (O) | <0.05 (O) | <0.05 (O) | <0.05 (O) |
| 7/19/2016 | <0.005 | <0.005 | 0.005 | | | <0.005 | 0.0043 (J) |
| 7/20/2016 | | | | <0.005 | 0.0041 (J) | | |
| 9/13/2016 | <0.005 | <0.005 | 0.0075 | <0.005 | 0.0042 (J) | | 0.0045 (J) |
| 9/14/2016 | | | | | | <0.005 | |
| 11/9/2016 | 0.0032 (J) | <0.005 | 0.0078 | | | | 0.0036 (J) |
| 11/10/2016 | | | | <0.005 | 0.0048 (J) | | |
| 1/17/2017 | <0.005 | | 0.009 | | | | |
| 1/18/2017 | | | | <0.005 | 0.0033 (J) | | 0.0046 (J) |
| 1/19/2017 | | <0.005 | | | | <0.005 | |
| 3/13/2017 | <0.005 | | 0.0069 | | | | |
| 3/14/2017 | | <0.005 | | <0.005 | 0.0033 (J) | <0.005 | 0.0038 (J) |
| 4/24/2017 | <0.005 | | 0.0049 (J) | | | | |
| 4/25/2017 | | <0.005 | | <0.005 | 0.0037 (J) | <0.005 | <0.005 |
| 8/8/2017 | 0.0032 (J) | <0.005 | 0.0075 | <0.005 | | | 0.0043 (J) |
| 8/9/2017 | | | | | 0.0042 (J) | <0.005 | |
| 3/27/2018 | 0.0045 (J) | | 0.0081 | | | | |
| 3/28/2018 | | 0.0012 (J) | | 0.0013 (J) | 0.0056 | <0.005 | 0.0064 |
| 6/13/2018 | 0.0033 (J) | <0.005 | | | | <0.005 | 0.0041 (J) |
| 6/14/2018 | | | 0.0072 | 0.0012 (J) | 0.0045 (J) | | |
| 9/24/2018 | | | 0.0082 | | | | |
| 9/27/2018 | 0.0042 (J) | | | | | | |
| 9/28/2018 | | 0.0013 (J) | | | | | |
| 10/2/2018 | | | | | | | 0.0038 (J) |
| 10/3/2018 | | | | 0.0012 (J) | 0.005 | <0.005 | |
| 2/25/2019 | 0.0049 (J) | | 0.0072 | | | | |
| 2/26/2019 | | <0.005 | | <0.005 | 0.0069 | <0.005 | 0.0068 |
| 4/1/2019 | 0.0044 (J) | | 0.0055 | | | | |
| 4/2/2019 | | 0.0012 (J) | | <0.005 | 0.0036 (J) | 0.0016 (J) | 0.0052 |
| 9/16/2019 | 0.004 (J) | | | | | 0.028 (O) | 0.032 (O) |
| 9/17/2019 | | <0.005 | 0.0083 | | 0.0049 (J) | | |
| 9/18/2019 | | | | <0.005 | | | |
| 2/3/2020 | <0.005 | | 0.0085 | | | | |
| 2/4/2020 | | | | <0.005 | 0.0055 | <0.005 | 0.0053 |
| 2/5/2020 | | <0.005 | | | | | |
| 3/16/2020 | 0.0053 | | 0.0083 | | | | |
| 3/17/2020 | | <0.005 | | <0.005 | 0.0059 | <0.005 | 0.0055 |
| 9/21/2020 | | | 0.0075 | <0.005 | 0.005 | | |
| 9/22/2020 | 0.0036 (J) | <0.005 | | | | <0.005 | 0.0049 (J) |
| 2/2/2021 | <0.005 | <0.005 | 0.0065 | <0.005 | 0.0039 (J) | | |
| 2/3/2021 | | | | | | <0.005 | 0.0047 (J) |
| 3/10/2021 | | <0.005 | 0.0075 | <0.005 | 0.0049 (J) | <0.005 | |
| 3/11/2021 | 0.0039 (J) | | | | | | 0.005 |
| 8/23/2021 | | | 0.0066 | | | | |
| 8/24/2021 | <0.005 | | | | 0.0036 (J) | <0.005 | 0.0041 (J) |
| 8/25/2021 | | <0.005 | | <0.005 | | | |
| 2/28/2022 | | | | | 0.005 | | |
| 3/1/2022 | 0.0029 (J) | | 0.0085 | <0.005 | | <0.005 | 0.006 |
| 3/3/2022 | | <0.005 | | | | | |
| 8/15/2022 | 0.0032 (J) | | 0.007 | | | <0.005 | 0.0047 (J) |
| 8/16/2022 | | <0.005 | | <0.005 | 0.0043 (J) | | |

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|-----------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 2/14/2023 | 0.0029 (J) | <0.005 | 0.006 | <0.005 | | <0.005 | 0.0045 (J) |
| 2/15/2023 | | | | | 0.0041 (J) | | |

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|------------|------------|---------|------------|------------|------------|
| 5/18/2016 | <0.05 (O) | 0.032 | | | | | <0.005 |
| 5/19/2016 | | | <0.005 | <0.05 | <0.005 | | |
| 7/19/2016 | <0.005 | | | | | | 0.0036 (J) |
| 7/20/2016 | | 0.021 | <0.005 | 0.0057 | <0.005 | | |
| 9/13/2016 | <0.005 | | | | | | |
| 9/14/2016 | | 0.02 | <0.005 | 0.0077 | <0.005 | | <0.005 |
| 11/10/2016 | <0.005 | | | | 0.0038 (J) | | 0.0064 |
| 11/11/2016 | | 0.017 | <0.005 | 0.007 | | | |
| 1/18/2017 | <0.005 | | | | | | |
| 1/24/2017 | | | | | | | 0.0075 |
| 1/27/2017 | | | <0.005 | 0.0074 | <0.005 | | |
| 2/6/2017 | | 0.016 | | | | | |
| 2/8/2017 | | | | | | 0.0039 (J) | |
| 2/23/2017 | | | | | | <0.005 | |
| 3/14/2017 | <0.005 | | | | | | 0.0057 |
| 3/15/2017 | | 0.014 | <0.005 | 0.0077 | <0.005 | | |
| 3/17/2017 | | | | | | <0.005 | |
| 4/11/2017 | | | | | | <0.005 | |
| 4/25/2017 | <0.005 | | | | | | 0.0059 |
| 4/26/2017 | | 0.011 | <0.005 | 0.0011 | <0.005 | <0.005 | |
| 5/17/2017 | | | | | | 0.0033 (J) | |
| 6/7/2017 | | | | | | <0.005 | |
| 7/11/2017 | | | | | | <0.005 | |
| 8/8/2017 | <0.005 | | | | | | |
| 8/9/2017 | | | | | <0.005 | | 0.0068 |
| 8/10/2017 | | 0.011 | <0.005 | 0.0064 | | | |
| 3/28/2018 | 0.0014 (J) | | | | | | |
| 3/29/2018 | | | 0.0018 (J) | 0.01 | 0.0022 (J) | 0.0025 (J) | |
| 3/30/2018 | | 0.016 | | | | | 0.0077 |
| 6/14/2018 | <0.005 | 0.0084 | 0.0011 (J) | 0.0062 | 0.0018 (J) | 0.0018 (J) | 0.0052 |
| 10/3/2018 | <0.005 | | | | | | 0.006 |
| 10/4/2018 | | 0.0085 | 0.0014 (J) | 0.0066 | 0.0025 (J) | 0.0016 (J) | |
| 2/26/2019 | <0.005 | | | | | | |
| 2/27/2019 | | 0.0068 | <0.005 | 0.0068 | <0.005 | <0.005 | 0.0055 |
| 4/2/2019 | <0.005 | | | | | | |
| 4/3/2019 | | | <0.005 | 0.0075 | <0.005 | 0.0015 (J) | |
| 4/4/2019 | | 0.0059 | | | | | 0.0054 |
| 9/18/2019 | <0.005 | | | | <0.005 | <0.005 | 0.0054 |
| 9/19/2019 | | 0.0075 | <0.005 | 0.0067 | | | |
| 2/5/2020 | <0.005 | 0.0061 | <0.005 | 0.0063 | <0.005 | <0.005 | |
| 2/7/2020 | | | | | | | 0.0068 |
| 3/17/2020 | <0.005 | | | | | | |
| 3/18/2020 | | 0.0071 | <0.005 | 0.0081 | | | 0.0086 |
| 3/19/2020 | | | | | <0.005 | <0.005 | |
| 9/22/2020 | <0.005 | | | | | | |
| 9/23/2020 | | 0.0054 | | 0.007 | | | 0.0071 |
| 9/24/2020 | | | <0.005 | | <0.005 | <0.005 | |
| 2/2/2021 | <0.005 | | | | | | |
| 2/3/2021 | | | <0.005 | 0.0075 | | | |
| 2/4/2021 | | 0.0049 (J) | | | <0.005 | <0.005 | 0.0086 |
| 3/10/2021 | <0.005 | | | | | | |
| 3/11/2021 | | 0.0051 | | | 0.0037 (J) | 0.0035 (J) | |

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|------------|-------------|------------|------------|------------|---------|
| 3/12/2021 | | | <0.005 | 0.0089 | | | 0.0096 |
| 8/24/2021 | <0.005 | | | | | | |
| 8/25/2021 | | | <0.005 | 0.0061 | <0.005 | <0.005 | |
| 8/26/2021 | | 0.0044 (J) | | | | | 0.0059 |
| 3/3/2022 | <0.005 | 0.0038 (J) | <0.005 | | 0.0018 (J) | 0.0019 (J) | 0.0068 |
| 3/4/2022 | | | | 0.0061 | | | |
| 8/16/2022 | <0.005 | | 0.00092 (J) | | | | |
| 8/17/2022 | | | | | | | 0.0073 |
| 8/18/2022 | | | | 0.0063 | 0.0024 (J) | | |
| 8/19/2022 | | 0.0049 (J) | | | | 0.0021 (J) | |
| 2/14/2023 | <0.005 | | | | | | |
| 2/15/2023 | | | | | | | 0.0062 |
| 2/16/2023 | | 0.0025 (J) | <0.005 | 0.0036 (J) | <0.005 | <0.005 | |

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|------------|------------|---------|---------|---------|---------|------------|
| 5/18/2016 | <0.05 | <0.05 | | | | | |
| 7/19/2016 | 0.0091 | | | | | | |
| 7/20/2016 | | 0.0042 (J) | | | | | |
| 9/14/2016 | 0.012 | 0.0058 | | | | | |
| 11/10/2016 | 0.013 | 0.0066 | | | | | |
| 11/11/2016 | | | 0.045 | | | | |
| 1/20/2017 | | 0.0044 (J) | | | | | |
| 1/24/2017 | 0.011 | | | | | | |
| 2/6/2017 | | | 0.05 | | | | |
| 3/14/2017 | | 0.0048 (J) | | | | | |
| 3/15/2017 | 0.01 | | 0.052 | | | | |
| 4/11/2017 | | | 0.048 | | | | |
| 4/25/2017 | 0.0081 | 0.0049 (J) | | | | | |
| 4/26/2017 | | | 0.044 | | | | |
| 6/7/2017 | | | 0.047 | | | | |
| 7/11/2017 | | | 0.045 | | | | |
| 8/9/2017 | 0.013 | 0.0067 | | | | | |
| 8/10/2017 | | | 0.056 | | | | |
| 3/29/2018 | 0.015 | | 0.072 | | | | |
| 3/30/2018 | | 0.0067 | | | | | |
| 6/14/2018 | 0.009 | 0.0046 (J) | 0.048 | | | | |
| 10/4/2018 | 0.012 | 0.005 | 0.062 | | | | |
| 2/26/2019 | | 0.0063 | | | | | |
| 2/27/2019 | 0.0075 | | | | | | |
| 2/28/2019 | | | 0.045 | | | | |
| 4/2/2019 | | | 0.052 | | | | |
| 4/4/2019 | 0.0077 | 0.0042 (J) | | | | | |
| 9/18/2019 | 0.0056 | 0.0047 (J) | 0.052 | | | | |
| 2/7/2020 | 0.0053 | 0.0045 (J) | 0.044 | | | | |
| 3/18/2020 | 0.0057 | 0.0054 | | | | | |
| 5/4/2020 | | | 0.049 | | | | |
| 9/23/2020 | 0.0059 | 0.0056 | 0.056 | | | | |
| 2/3/2021 | | | 0.06 | | | | |
| 2/4/2021 | 0.0051 | 0.0047 (J) | | | | | |
| 3/8/2021 | | | | 0.11 | | | |
| 3/9/2021 | | | | | 0.022 | 0.011 | <0.005 |
| 3/11/2021 | 0.005 | 0.0049 (J) | 0.051 | | | | |
| 4/7/2021 | | | | | 0.031 | | <0.005 |
| 4/8/2021 | | | | 0.11 | | 0.0081 | |
| 8/25/2021 | 0.0046 (J) | 0.0048 (J) | | | | | |
| 8/26/2021 | | | 0.057 | 0.11 | 0.032 | 0.011 | <0.005 |
| 1/11/2022 | | | | | 0.038 | 0.011 | <0.005 |
| 1/12/2022 | | | | 0.15 | | | |
| 3/3/2022 | 0.0041 (J) | | 0.057 | | 0.044 | | |
| 3/4/2022 | | 0.0042 (J) | | 0.14 | | 0.011 | 0.0015 (J) |
| 6/6/2022 | | | | | 0.051 | | 0.002 (J) |
| 6/7/2022 | | | | 0.12 | | 0.0093 | |
| 8/16/2022 | | 0.0053 | | | 0.059 | | |
| 8/17/2022 | 0.0042 (J) | | 0.056 | | | | 0.0017 (J) |
| 8/18/2022 | | | | 0.11 | | | |
| 8/19/2022 | | | | | | 0.01 | |
| 2/15/2023 | 0.0044 (J) | | | | | 0.009 | <0.005 |

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|-----------|---------|------------|---------|---------|---------|---------|---------|
| 2/16/2023 | | 0.0026 (J) | 0.053 | 0.14 | 0.053 | | |

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|------------|------------|--------|--------|---------|----------|
| 5/19/2016 | | | 0.0215 | 0.0335 | | |
| 7/20/2016 | | | 0.026 | 0.024 | | |
| 9/14/2016 | | | | 0.039 | | |
| 9/15/2016 | | | 0.057 | | | |
| 11/14/2016 | | | 0.017 | | | |
| 2/6/2017 | | | 0.012 | | | |
| 2/9/2017 | | | | 0.04 | | |
| 3/15/2017 | | | 0.014 | 0.035 | | |
| 4/11/2017 | | | | 0.034 | | |
| 4/26/2017 | | | 0.0091 | 0.029 | | |
| 8/10/2017 | | | 0.013 | 0.038 | | |
| 3/29/2018 | | | 0.018 | 0.048 | | |
| 6/14/2018 | | | 0.015 | 0.034 | | |
| 10/4/2018 | | | 0.013 | 0.039 | | |
| 2/27/2019 | | | 0.014 | | | |
| 2/28/2019 | | | | 0.037 | | |
| 4/3/2019 | | | 0.015 | 0.035 | | |
| 9/19/2019 | | | 0.014 | 0.036 | | |
| 2/5/2020 | | | | 0.034 | | |
| 2/7/2020 | | | 0.014 | | | |
| 3/19/2020 | | | 0.015 | 0.039 | | |
| 9/22/2020 | | | 0.013 | | | |
| 9/23/2020 | | | | 0.033 | | |
| 2/3/2021 | | | 0.014 | | | |
| 2/4/2021 | | | | 0.035 | | |
| 3/8/2021 | | 0.0046 (J) | | | | |
| 3/9/2021 | 0.0084 | | | | | |
| 3/11/2021 | | | 0.013 | | | |
| 3/12/2021 | | | | 0.034 | | |
| 4/7/2021 | 0.0077 | | | | | |
| 4/8/2021 | | 0.0044 (J) | | | | |
| 8/26/2021 | 0.0076 | 0.0044 (J) | 0.013 | 0.03 | | |
| 1/11/2022 | 0.0091 | 0.0043 (J) | | | | |
| 3/3/2022 | 0.0066 | | 0.014 | 0.03 | | |
| 3/4/2022 | | 0.0035 (J) | | | | |
| 6/6/2022 | 0.0044 (J) | | | | | |
| 6/7/2022 | | 0.004 (J) | | | | |
| 8/16/2022 | | | 0.014 | | | |
| 8/17/2022 | | 0.0036 (J) | | 0.028 | | |
| 8/18/2022 | 0.0036 (J) | | | | | |
| 10/19/2022 | | | | | 0.0072 | 0.16 |
| 2/15/2023 | 0.0068 | 0.0031 (J) | | 0.033 | | |
| 2/16/2023 | | | 0.01 | | 0.024 | 0.17 |

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | <0.0002 | <0.0002 | <0.0002 | | | | |
| 5/18/2016 | | | | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| 7/19/2016 | <0.0002 | 8.2E-05 (J) | 8.1E-05 (J) | | | 8.5E-05 (J) | 8.4E-05 (J) |
| 7/20/2016 | | | | 7.7E-05 (J) | 8.1E-05 (J) | | |
| 9/13/2016 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | | <0.0002 |
| 9/14/2016 | | | | | | <0.0002 | |
| 11/9/2016 | <0.0002 | <0.0002 | <0.0002 | | | | <0.0002 |
| 11/10/2016 | | | | 0.00015 (J) | 0.00016 (J) | | |
| 1/17/2017 | <0.0002 | | <0.0002 | | | | |
| 1/18/2017 | | | | <0.0002 | <0.0002 | | <0.0002 |
| 1/19/2017 | | <0.0002 | | | | <0.0002 | |
| 3/13/2017 | <0.0002 | | <0.0002 | | | | |
| 3/14/2017 | | 7.1E-05 (J) | | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| 4/24/2017 | <0.0002 | | <0.0002 | | | | |
| 4/25/2017 | | <0.0002 | | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| 8/8/2017 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | | | <0.0002 |
| 8/9/2017 | | | | | <0.0002 | <0.0002 | |
| 3/27/2018 | <0.0002 | | <0.0002 | | | | |
| 3/28/2018 | | <0.0002 | | <0.0002 | <0.0002 | 8.9E-05 (J) | <0.0002 |
| 6/13/2018 | <0.0002 | <0.0002 | | | | <0.0002 | <0.0002 |
| 6/14/2018 | | | <0.0002 | <0.0002 | <0.0002 | | |
| 9/24/2018 | | | <0.0002 | | | | |
| 9/27/2018 | <0.0002 | | | | | | |
| 9/28/2018 | | <0.0002 | | | | | |
| 10/2/2018 | | | | | | | <0.0002 |
| 10/3/2018 | | | | <0.0002 | <0.0002 | <0.0002 | |
| 2/25/2019 | <0.0002 | | <0.0002 | | | | |
| 2/26/2019 | | <0.0002 | | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| 2/3/2020 | <0.0002 | | <0.0002 | | | | |
| 2/4/2020 | | | | 0.00016 (J) | 0.00011 (J) | <0.0002 | <0.0002 |
| 2/5/2020 | | <0.0002 | | | | | |
| 3/16/2020 | <0.0002 | | <0.0002 | | | | |
| 3/17/2020 | | <0.0002 | | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| 9/21/2020 | | | <0.0002 | <0.0002 | <0.0002 | | |
| 9/22/2020 | <0.0002 | <0.0002 | | | | <0.0002 | <0.0002 |
| 2/2/2021 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | | |
| 2/3/2021 | | | | | | <0.0002 | <0.0002 |
| 2/28/2022 | | | | | <0.0002 | | |
| 3/1/2022 | <0.0002 | | <0.0002 | <0.0002 | | <0.0002 | <0.0002 |
| 3/3/2022 | | <0.0002 | | | | | |
| 8/15/2022 | <0.0002 | | <0.0002 | | | <0.0002 | <0.0002 |
| 8/16/2022 | | <0.0002 | | <0.0002 | <0.0002 | | |
| 2/14/2023 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | | <0.0002 | <0.0002 |
| 2/15/2023 | | | | | <0.0002 | | |

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 5/18/2016 | <0.0002 | <0.0002 | | | | | <0.0002 |
| 5/19/2016 | | | <0.0002 | <0.0002 | <0.0002 | | |
| 7/19/2016 | 7.2E-05 (J) | | | | | | 9.3E-05 (J) |
| 7/20/2016 | | 8.2E-05 (J) | 8.2E-05 (J) | 0.00011 (J) | 8.1E-05 (J) | | |
| 9/13/2016 | <0.0002 | | | | | | |
| 9/14/2016 | | <0.0002 | <0.0002 | <0.0002 | <0.0002 | | <0.0002 |
| 11/10/2016 | 8.7E-05 (J) | | | | 8.3E-05 (J) | | 8.5E-05 (J) |
| 11/11/2016 | | 8.5E-05 (J) | 0.00011 (J) | 7.9E-05 (J) | | | |
| 1/18/2017 | <0.0002 | | | | | | |
| 1/24/2017 | | | | | | | <0.0002 |
| 1/27/2017 | | | <0.0002 | <0.0002 | <0.0002 | | |
| 2/6/2017 | | 8.3E-05 (J) | | | | | |
| 2/8/2017 | | | | | | <0.0002 | |
| 2/23/2017 | | | | | | <0.0002 | |
| 3/14/2017 | <0.0002 | | | | | | 7.1E-05 (J) |
| 3/15/2017 | | 0.00013 (J) | <0.0002 | 0.00018 (J) | <0.0002 | | |
| 3/17/2017 | | | | | | 0.00013 (J) | |
| 4/11/2017 | | | | | | <0.0002 | |
| 4/25/2017 | <0.0002 | | | | | | <0.0002 |
| 4/26/2017 | | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | |
| 5/17/2017 | | | | | | <0.0002 | |
| 6/7/2017 | | | | | | <0.0002 | |
| 7/11/2017 | | | | | | <0.0002 | |
| 8/8/2017 | <0.0002 | | | | | | |
| 8/9/2017 | | | | | <0.0002 | | <0.0002 |
| 8/10/2017 | | <0.0002 | <0.0002 | <0.0002 | | | |
| 3/28/2018 | <0.0002 | | | | | | |
| 3/29/2018 | | | <0.0002 | 0.00011 (J) | <0.0002 | <0.0002 | |
| 3/30/2018 | | <0.0002 | | | | | 8.6E-05 (J) |
| 6/14/2018 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| 10/3/2018 | <0.0002 | | | | | | <0.0002 |
| 10/4/2018 | | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | |
| 2/26/2019 | <0.0002 | | | | | | |
| 2/27/2019 | | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| 2/5/2020 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | |
| 2/7/2020 | | | | | | | <0.0002 |
| 3/17/2020 | <0.0002 | | | | | | |
| 3/18/2020 | | <0.0002 | <0.0002 | <0.0002 | | | <0.0002 |
| 3/19/2020 | | | | | <0.0002 | <0.0002 | |
| 9/22/2020 | <0.0002 | | | | | | |
| 9/23/2020 | | <0.0002 | | <0.0002 | | | <0.0002 |
| 9/24/2020 | | | <0.0002 | | <0.0002 | <0.0002 | |
| 2/2/2021 | <0.0002 | | | | | | |
| 2/3/2021 | | | <0.0002 | <0.0002 | | | |
| 2/4/2021 | | <0.0002 | | | <0.0002 | <0.0002 | <0.0002 |
| 3/3/2022 | <0.0002 | <0.0002 | <0.0002 | | <0.0002 | <0.0002 | <0.0002 |
| 3/4/2022 | | | | <0.0002 | | | |
| 8/16/2022 | <0.0002 | | <0.0002 | | | | |
| 8/17/2022 | | | | | | | <0.0002 |
| 8/18/2022 | | | | <0.0002 | <0.0002 | | |
| 8/19/2022 | | <0.0002 | | | | <0.0002 | |
| 2/14/2023 | <0.0002 | | | | | | |

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|---------|---------|---------|---------|----------|---------|
| 2/15/2023 | | | | | | | <0.0002 |
| 2/16/2023 | | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | |

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|-------------|-------------|-------------|---------|---------|-------------|---------|
| 5/18/2016 | <0.0002 | <0.0002 | | | | | |
| 7/19/2016 | <0.0002 | | | | | | |
| 7/20/2016 | | 7.4E-05 (J) | | | | | |
| 9/14/2016 | <0.0002 | <0.0002 | | | | | |
| 11/10/2016 | 0.00012 (J) | <0.0002 | | | | | |
| 11/11/2016 | | | 7.6E-05 (J) | | | | |
| 1/20/2017 | | <0.0002 | | | | | |
| 1/24/2017 | 7E-05 (J) | | | | | | |
| 2/6/2017 | | | 0.00012 (J) | | | | |
| 3/14/2017 | | <0.0002 | | | | | |
| 3/15/2017 | <0.0002 | | <0.0002 | | | | |
| 4/11/2017 | | | <0.0002 | | | | |
| 4/25/2017 | 0.00019 (J) | <0.0002 | | | | | |
| 4/26/2017 | | | <0.0002 | | | | |
| 6/7/2017 | | | <0.0002 | | | | |
| 7/11/2017 | | | <0.0002 | | | | |
| 8/9/2017 | <0.0002 | <0.0002 | | | | | |
| 8/10/2017 | | | <0.0002 | | | | |
| 3/29/2018 | <0.0002 | | <0.0002 | | | | |
| 3/30/2018 | | <0.0002 | | | | | |
| 6/14/2018 | <0.0002 | <0.0002 | <0.0002 | | | | |
| 10/4/2018 | <0.0002 | <0.0002 | <0.0002 | | | | |
| 2/26/2019 | | <0.0002 | | | | | |
| 2/27/2019 | <0.0002 | | | | | | |
| 2/28/2019 | | | <0.0002 | | | | |
| 2/7/2020 | <0.0002 | <0.0002 | <0.0002 | | | | |
| 3/18/2020 | <0.0002 | <0.0002 | | | | | |
| 5/4/2020 | | | <0.0002 | | | | |
| 9/23/2020 | <0.0002 | <0.0002 | <0.0002 | | | | |
| 2/3/2021 | | | <0.0002 | | | | |
| 2/4/2021 | <0.0002 | <0.0002 | | | | | |
| 8/26/2021 | | | | 0.00033 | 0.0002 | 0.00018 (J) | 0.00022 |
| 1/11/2022 | | | | | <0.0002 | <0.0002 | <0.0002 |
| 1/12/2022 | | | | <0.0002 | | | |
| 3/3/2022 | <0.0002 | | <0.0002 | | <0.0002 | | |
| 3/4/2022 | | <0.0002 | | <0.0002 | | <0.0002 | <0.0002 |
| 6/6/2022 | | | | | <0.0002 | | <0.0002 |
| 6/7/2022 | | | | <0.0002 | | <0.0002 | |
| 8/16/2022 | | <0.0002 | | | <0.0002 | | |
| 8/17/2022 | <0.0002 | | <0.0002 | | | | <0.0002 |
| 8/18/2022 | | | | <0.0002 | | | |
| 8/19/2022 | | | | | | <0.0002 | |
| 2/15/2023 | <0.0002 | | | | | <0.0002 | <0.0002 |
| 2/16/2023 | | <0.0002 | <0.0002 | <0.0002 | <0.0002 | | |

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|---------|---------|-------------|-------------|---------|----------|
| 5/19/2016 | | | <0.0002 | <0.0002 | | |
| 7/20/2016 | | | <0.0002 | <0.0002 | | |
| 9/14/2016 | | | | <0.0002 | | |
| 9/15/2016 | | | 0.00011 (J) | | | |
| 11/14/2016 | | | <0.0002 | | | |
| 2/6/2017 | | | 7.8E-05 (J) | | | |
| 2/9/2017 | | | | <0.0002 | | |
| 3/15/2017 | | | 0.00013 (J) | 0.00013 (J) | | |
| 4/11/2017 | | | | <0.0002 | | |
| 4/26/2017 | | | <0.0002 | <0.0002 | | |
| 8/10/2017 | | | <0.0002 | <0.0002 | | |
| 3/29/2018 | | | <0.0002 | <0.0002 | | |
| 6/14/2018 | | | <0.0002 | <0.0002 | | |
| 10/4/2018 | | | <0.0002 | <0.0002 | | |
| 2/27/2019 | | | <0.0002 | | | |
| 2/28/2019 | | | | <0.0002 | | |
| 2/5/2020 | | | | <0.0002 | | |
| 2/7/2020 | | | <0.0002 | | | |
| 3/19/2020 | | | <0.0002 | <0.0002 | | |
| 9/22/2020 | | | <0.0002 | | | |
| 9/23/2020 | | | | <0.0002 | | |
| 2/3/2021 | | | <0.0002 | | | |
| 2/4/2021 | | | | <0.0002 | | |
| 8/26/2021 | 0.00026 | 0.0019 | | | | |
| 1/11/2022 | <0.0002 | <0.0002 | | | | |
| 3/3/2022 | <0.0002 | | <0.0002 | <0.0002 | | |
| 3/4/2022 | | <0.0002 | | | | |
| 6/6/2022 | <0.0002 | | | | | |
| 6/7/2022 | | <0.0002 | | | | |
| 8/16/2022 | | | <0.0002 | | | |
| 8/17/2022 | | <0.0002 | | <0.0002 | | |
| 8/18/2022 | <0.0002 | | | | | |
| 10/19/2022 | | | | | <0.0002 | <0.0002 |
| 2/15/2023 | <0.0002 | <0.0002 | | <0.0002 | | |
| 2/16/2023 | | | <0.0002 | | <0.0002 | <0.0002 |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | <0.015 | 0.00367 (J) | <0.015 | | | | |
| 5/18/2016 | | | | <0.015 | <0.015 | <0.015 | <0.015 |
| 7/19/2016 | <0.015 | 0.002 (J) | <0.015 | | | <0.015 | <0.015 |
| 7/20/2016 | | | | <0.015 | <0.015 | | |
| 9/13/2016 | <0.015 | 0.0014 (J) | <0.015 | <0.015 | <0.015 | | <0.015 |
| 9/14/2016 | | | | | | 0.016 (O) | |
| 11/9/2016 | <0.015 | <0.015 | <0.015 | | | | <0.015 |
| 11/10/2016 | | | | <0.015 | <0.015 | | |
| 1/17/2017 | <0.015 | | <0.015 | | | | |
| 1/18/2017 | | | | <0.015 | <0.015 | | <0.015 |
| 1/19/2017 | | <0.015 | | | | <0.015 | |
| 3/13/2017 | <0.015 | | <0.015 | | | | |
| 3/14/2017 | | 0.0072 (J) | | 0.00087 (J) | <0.015 | <0.015 | <0.015 |
| 4/24/2017 | <0.015 | | <0.015 | | | | |
| 4/25/2017 | | 0.0036 (J) | | 0.00098 (J) | <0.015 | <0.015 | <0.015 |
| 8/8/2017 | 0.0017 (J) | <0.015 | <0.015 | <0.015 | | | <0.015 |
| 8/9/2017 | | | | | <0.015 | <0.015 | |
| 3/27/2018 | <0.015 | | <0.015 | | | | |
| 3/28/2018 | | 0.00089 (J) | | <0.015 | <0.015 | <0.015 | <0.015 |
| 6/13/2018 | <0.015 | <0.015 | | | | <0.015 | <0.015 |
| 6/14/2018 | | | <0.015 | <0.015 | <0.015 | | |
| 9/24/2018 | | | <0.015 | | | | |
| 9/27/2018 | <0.015 | | | | | | |
| 9/28/2018 | | <0.015 | | | | | |
| 10/2/2018 | | | | | | | <0.015 |
| 10/3/2018 | | | | <0.015 | <0.015 | <0.015 | |
| 2/25/2019 | <0.015 | | <0.015 | | | | |
| 2/26/2019 | | 0.0019 (J) | | <0.015 | <0.015 | <0.015 | <0.015 |
| 4/1/2019 | <0.015 | | <0.015 | | | | |
| 4/2/2019 | | <0.015 | | <0.015 | <0.015 | <0.015 | <0.015 |
| 9/16/2019 | <0.015 | | | | | 0.001 (J) | 0.001 (J) |
| 9/17/2019 | | <0.015 | <0.015 | | <0.015 | | |
| 9/18/2019 | | | | <0.015 | | | |
| 2/3/2020 | <0.015 | | <0.015 | | | | |
| 2/4/2020 | | | | <0.015 | <0.015 | <0.015 | <0.015 |
| 2/5/2020 | | <0.015 | | | | | |
| 3/16/2020 | <0.015 | | <0.015 | | | | |
| 3/17/2020 | | <0.015 | | <0.015 | <0.015 | <0.015 | <0.015 |
| 9/21/2020 | | | <0.015 | <0.015 | <0.015 | | |
| 9/22/2020 | <0.015 | 0.00097 (J) | | | | 0.0025 (J) | <0.015 |
| 2/2/2021 | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | | |
| 2/3/2021 | | | | | | <0.015 | <0.015 |
| 3/10/2021 | | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | |
| 3/11/2021 | <0.015 | | | | | | <0.015 |
| 8/23/2021 | | | <0.015 | | | | |
| 8/24/2021 | <0.015 | | | | <0.015 | <0.015 | <0.015 |
| 8/25/2021 | | <0.015 | | <0.015 | | | |
| 2/28/2022 | | | | | <0.015 | | |
| 3/1/2022 | <0.015 | | <0.015 | <0.015 | | <0.015 | <0.015 |
| 3/3/2022 | | <0.015 | | | | | |
| 8/15/2022 | <0.015 | | <0.015 | | | <0.015 | <0.015 |
| 8/16/2022 | | <0.015 | | <0.015 | <0.015 | | |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|-----------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 2/14/2023 | <0.015 | <0.015 | <0.015 | <0.015 | | <0.015 | <0.015 |
| 2/15/2023 | | | | | <0.015 | | |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|-------------|------------|-------------|-------------|-----------|------------|
| 5/18/2016 | <0.015 | <0.015 | | | | | 0.0153 |
| 5/19/2016 | | | <0.015 | <0.015 | 0.00491 (J) | | |
| 7/19/2016 | <0.015 | | | | | | 0.0093 (J) |
| 7/20/2016 | | <0.015 | <0.015 | 0.00095 (J) | 0.0025 (J) | | |
| 9/13/2016 | <0.015 | | | | | | |
| 9/14/2016 | | 0.00091 (J) | <0.015 | 0.0009 (J) | 0.0028 (J) | | 0.012 (J) |
| 11/10/2016 | <0.015 | | | | 0.0016 (J) | | 0.0065 (J) |
| 11/11/2016 | | <0.015 | <0.015 | <0.015 | | | |
| 1/18/2017 | 0.001 (J) | | | | | | |
| 1/24/2017 | | | | | | | 0.0049 (J) |
| 1/27/2017 | | | <0.015 | <0.015 | 0.0023 (J) | | |
| 2/6/2017 | | <0.015 | | | | | |
| 2/8/2017 | | | | | | <0.015 | |
| 2/23/2017 | | | | | | <0.015 | |
| 3/14/2017 | 0.0014 (J) | | | | | | 0.0034 (J) |
| 3/15/2017 | | <0.015 | <0.015 | <0.015 | 0.0022 (J) | | |
| 3/17/2017 | | | | | | <0.015 | |
| 4/11/2017 | | | | | | <0.015 | |
| 4/25/2017 | <0.015 | | | | | | 0.004 (J) |
| 4/26/2017 | | <0.015 | <0.015 | <0.015 | 0.0019 (J) | <0.015 | |
| 5/17/2017 | | | | | | <0.015 | |
| 6/7/2017 | | | | | | 0.001 (J) | |
| 7/11/2017 | | | | | | <0.015 | |
| 8/8/2017 | <0.015 | | | | | | |
| 8/9/2017 | | | | | 0.0028 (J) | | 0.0042 (J) |
| 8/10/2017 | | 0.00093 (J) | 0.0011 (J) | 0.0046 (J) | | | |
| 3/28/2018 | <0.015 | | | | | | |
| 3/29/2018 | | | <0.015 | <0.015 | 0.0028 (J) | <0.015 | |
| 3/30/2018 | | <0.015 | | | | | 0.0049 (J) |
| 6/14/2018 | <0.015 | <0.015 | <0.015 | <0.015 | 0.0018 (J) | <0.015 | 0.0056 (J) |
| 10/3/2018 | <0.015 | | | | | | 0.0041 (J) |
| 10/4/2018 | | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | |
| 2/26/2019 | <0.015 | | | | | | |
| 2/27/2019 | | <0.015 | <0.015 | 0.00063 (J) | 0.0019 (J) | <0.015 | 0.0061 |
| 4/2/2019 | <0.015 | | | | | | |
| 4/3/2019 | | | <0.015 | <0.015 | <0.015 | <0.015 | |
| 4/4/2019 | | <0.015 | | | | | 0.0039 (J) |
| 9/18/2019 | <0.015 | | | | 0.0021 (J) | <0.015 | 0.0052 |
| 9/19/2019 | | <0.015 | <0.015 | 0.00073 (J) | | | |
| 2/5/2020 | <0.015 | <0.015 | <0.015 | <0.015 | 0.0012 (J) | <0.015 | |
| 2/7/2020 | | | | | | | 0.0024 (J) |
| 3/17/2020 | <0.015 | | | | | | |
| 3/18/2020 | | <0.015 | <0.015 | <0.015 | | | 0.002 (J) |
| 3/19/2020 | | | | | 0.0018 (J) | <0.015 | |
| 9/22/2020 | <0.015 | | | | | | |
| 9/23/2020 | | <0.015 | | <0.015 | | | 0.0031 (J) |
| 9/24/2020 | | | 0.0017 (J) | | <0.015 | <0.015 | |
| 2/2/2021 | <0.015 | | | | | | |
| 2/3/2021 | | | <0.015 | <0.015 | | | |
| 2/4/2021 | | <0.015 | | | 0.0012 (J) | <0.015 | 0.0022 (J) |
| 3/10/2021 | <0.015 | | | | | | |
| 3/11/2021 | | <0.015 | | | 0.0013 (J) | <0.015 | |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|---------|---------|-------------|-------------|----------|------------|
| 3/12/2021 | | | <0.015 | 0.00062 (J) | | | 0.0019 (J) |
| 8/24/2021 | <0.015 | | | | | | |
| 8/25/2021 | | | <0.015 | <0.015 | 0.00092 (J) | <0.015 | |
| 8/26/2021 | | <0.015 | | | | | 0.0029 (J) |
| 3/3/2022 | <0.015 | <0.015 | <0.015 | | 0.00094 (J) | <0.015 | 0.0025 (J) |
| 3/4/2022 | | | | <0.015 | | | |
| 8/16/2022 | <0.015 | | <0.015 | | | | |
| 8/17/2022 | | | | | | | 0.0025 (J) |
| 8/18/2022 | | | | <0.015 | 0.00087 (J) | | |
| 8/19/2022 | | <0.015 | | | | <0.015 | |
| 2/14/2023 | <0.015 | | | | | | |
| 2/15/2023 | | | | | | | 0.0027 (J) |
| 2/16/2023 | | <0.015 | <0.015 | <0.015 | 0.0013 (J) | <0.015 | |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|---------|-------------|------------|-------------|---------|-------------|---------|
| 5/18/2016 | <0.015 | 0.00526 (J) | | | | | |
| 7/19/2016 | <0.015 | | | | | | |
| 7/20/2016 | | 0.0066 (J) | | | | | |
| 9/14/2016 | <0.015 | 0.0081 (J) | | | | | |
| 11/10/2016 | <0.015 | 0.0076 (J) | | | | | |
| 11/11/2016 | | | <0.015 | | | | |
| 1/20/2017 | | 0.0094 (J) | | | | | |
| 1/24/2017 | <0.015 | | | | | | |
| 2/6/2017 | | | 0.001 (J) | | | | |
| 3/14/2017 | | 0.0044 (J) | | | | | |
| 3/15/2017 | <0.015 | | <0.015 | | | | |
| 4/11/2017 | | | <0.015 | | | | |
| 4/25/2017 | <0.015 | 0.0074 (J) | | | | | |
| 4/26/2017 | | | <0.015 | | | | |
| 6/7/2017 | | | 0.0015 (J) | | | | |
| 7/11/2017 | | | <0.015 | | | | |
| 8/9/2017 | <0.015 | 0.0066 (J) | | | | | |
| 8/10/2017 | | | 0.0016 (J) | | | | |
| 3/29/2018 | <0.015 | | 0.0012 (J) | | | | |
| 3/30/2018 | | 0.0024 (J) | | | | | |
| 6/14/2018 | <0.015 | 0.0026 (J) | 0.0014 (J) | | | | |
| 10/4/2018 | <0.015 | 0.00085 (J) | <0.015 | | | | |
| 2/26/2019 | | 0.0032 (J) | | | | | |
| 2/27/2019 | <0.015 | | | | | | |
| 2/28/2019 | | | 0.0013 (J) | | | | |
| 4/2/2019 | | | <0.015 | | | | |
| 4/4/2019 | <0.015 | 0.002 (J) | | | | | |
| 9/18/2019 | <0.015 | 0.0026 (J) | 0.0011 (J) | | | | |
| 2/7/2020 | <0.015 | 0.0025 (J) | 0.0014 (J) | | | | |
| 3/18/2020 | <0.015 | 0.0024 (J) | | | | | |
| 5/4/2020 | | | 0.0013 (J) | | | | |
| 9/23/2020 | <0.015 | 0.0027 (J) | 0.0013 (J) | | | | |
| 2/3/2021 | | | 0.0013 (J) | | | | |
| 2/4/2021 | <0.015 | 0.0025 (J) | | | | | |
| 3/11/2021 | <0.015 | 0.0022 (J) | 0.0012 (J) | | | | |
| 8/25/2021 | <0.015 | 0.0022 (J) | | | | | |
| 8/26/2021 | | | 0.0011 (J) | 0.00079 (J) | 0.044 | <0.015 | <0.015 |
| 1/11/2022 | | | | | 0.037 | <0.015 | <0.015 |
| 1/12/2022 | | | | 0.00062 (J) | | | |
| 3/3/2022 | <0.015 | | 0.0013 (J) | | 0.036 | | |
| 3/4/2022 | | 0.0021 (J) | | <0.015 | | 0.00084 (J) | <0.015 |
| 6/6/2022 | | | | | 0.032 | | <0.015 |
| 6/7/2022 | | | | <0.015 | | <0.015 | |
| 8/16/2022 | | 0.0024 (J) | | | 0.042 | | |
| 8/17/2022 | <0.015 | | 0.001 (J) | | | | <0.015 |
| 8/18/2022 | | | | <0.015 | | | |
| 8/19/2022 | | | | | | <0.015 | |
| 2/15/2023 | <0.015 | | | | | <0.015 | <0.015 |
| 2/16/2023 | | 0.0022 (J) | 0.0014 (J) | <0.015 | 0.034 | | |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|---------|---------|--------|-------------|---------|------------|
| 5/19/2016 | | | <0.015 | 0.00762 (J) | | |
| 7/20/2016 | | | <0.015 | 0.0084 (J) | | |
| 9/14/2016 | | | | 0.0071 (J) | | |
| 9/15/2016 | | | <0.015 | | | |
| 11/14/2016 | | | <0.015 | | | |
| 2/6/2017 | | | <0.015 | | | |
| 2/9/2017 | | | | 0.018 | | |
| 3/15/2017 | | | <0.015 | 0.0057 (J) | | |
| 4/11/2017 | | | | 0.0047 (J) | | |
| 4/26/2017 | | | <0.015 | 0.004 (J) | | |
| 8/10/2017 | | | <0.015 | 0.0046 (J) | | |
| 3/29/2018 | | | <0.015 | 0.0048 (J) | | |
| 6/14/2018 | | | <0.015 | 0.0046 (J) | | |
| 10/4/2018 | | | <0.015 | 0.003 (J) | | |
| 2/27/2019 | | | <0.015 | | | |
| 2/28/2019 | | | | 0.0053 | | |
| 4/3/2019 | | | <0.015 | 0.0026 (J) | | |
| 9/19/2019 | | | <0.015 | 0.0048 (J) | | |
| 2/5/2020 | | | | 0.0044 (J) | | |
| 2/7/2020 | | | <0.015 | | | |
| 3/19/2020 | | | <0.015 | 0.0042 (J) | | |
| 9/22/2020 | | | <0.015 | | | |
| 9/23/2020 | | | | 0.0027 (J) | | |
| 2/3/2021 | | | <0.015 | | | |
| 2/4/2021 | | | | 0.003 (J) | | |
| 3/11/2021 | | | <0.015 | | | |
| 3/12/2021 | | | | 0.003 (J) | | |
| 8/26/2021 | <0.015 | <0.015 | <0.015 | 0.0028 (J) | | |
| 1/11/2022 | <0.015 | <0.015 | | | | |
| 3/3/2022 | <0.015 | | <0.015 | 0.0027 (J) | | |
| 3/4/2022 | | <0.015 | | | | |
| 6/6/2022 | <0.015 | | | | | |
| 6/7/2022 | | <0.015 | | | | |
| 8/16/2022 | | | <0.015 | | | |
| 8/17/2022 | | <0.015 | | 0.0027 (J) | | |
| 8/18/2022 | <0.015 | | | | | |
| 10/19/2022 | | | | | <0.015 | 0.0087 (J) |
| 2/15/2023 | <0.015 | <0.015 | | 0.0025 (J) | | |
| 2/16/2023 | | | <0.015 | | <0.015 | 0.006 (J) |

Time Series

Constituent: pH, Field (S.U.) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | 5.24 | 7.81 | 6.23 | | | | |
| 5/18/2016 | | | | 5.55 | 7.23 | 5.47 | 7.92 |
| 7/18/2016 | 5.434038 | | | | | | |
| 7/19/2016 | | | 6.285413 | | | 5.336672 | 7.154587 |
| 7/20/2016 | | | | 5.656628 | 7.281557 | | |
| 9/13/2016 | 5.22 | 7.18 | 6.3 | 5.63 | 7.15 | | 7.96 |
| 9/14/2016 | | | | | | 7.29 | |
| 11/9/2016 | 5.57 | 6.03 | 6.26 | | | | 7.27 |
| 11/10/2016 | | | | 5.61 | 6.33 | | |
| 1/17/2017 | 5.48 | | 6.8 | | | | |
| 1/18/2017 | | | | 5.81 | 6.94 | | 7.72 |
| 1/19/2017 | | 6.71 | | | | 6.59 | |
| 3/13/2017 | 5.4 | | 6.18 | | | | |
| 3/14/2017 | | 6.45 | | 5.53 | 6.75 | 5.86 | |
| 4/24/2017 | 5.4 | | 6.35 | | | | |
| 4/25/2017 | | 6.93 | | 5.59 | 6.84 | 5.35 | 7.73 |
| 8/8/2017 | 5.32 | 6.72 | 6.23 | 5.52 | | | 7.74 |
| 8/9/2017 | | | | | 6.67 | 5.25 | |
| 8/25/2017 | | | | | | 5.44 | |
| 10/10/2017 | 5.26 | | 6.32 | | | | |
| 10/11/2017 | | 6.75 | | 5.51 | 6.75 | 6.99 | 7.71 |
| 3/27/2018 | 5.39 | | 6.14 | | | | |
| 3/28/2018 | | 6.84 | | 5.6 | 6.79 | 5.95 | 7.28 |
| 6/13/2018 | 5.33 | 6.31 | | | | 5.13 | 7.78 |
| 6/14/2018 | | | 6.02 | 5.58 | 6.67 | | |
| 9/24/2018 | | | 6.1 | | | | |
| 9/27/2018 | 5.33 | | | | | | |
| 9/28/2018 | | 6.26 | | | | | |
| 10/2/2018 | | | | | | | 7.52 |
| 10/3/2018 | | | | 5.45 | 6.92 | 5.22 | |
| 2/25/2019 | 5.25 | | 6.02 | | | | |
| 2/26/2019 | | 7.66 | | 5.6 | 6.74 | 5.21 | 7.87 |
| 4/1/2019 | 5.31 | | 6.09 | | | | |
| 4/2/2019 | | 7.53 | | 5.69 | 6.81 | 5.25 | 7.94 |
| 9/16/2019 | 5.28 | | | | | 6.94 | 7.55 |
| 9/17/2019 | | 6.47 | 6.25 | | 6.93 | | |
| 9/18/2019 | | | | 5.62 | | | |
| 2/3/2020 | 5.4 | | 6.09 | | | | |
| 2/4/2020 | | | | 5.66 | 7.29 | 5.31 | 7.74 |
| 2/5/2020 | | 6.73 | | | | | |
| 3/16/2020 | 5.29 | | 6.01 | | | | |
| 3/17/2020 | | 6.36 | | 5.61 | 6.83 | 5.34 | 7.96 |
| 9/21/2020 | | | 6.05 | 5.35 | 6.81 | | |
| 9/22/2020 | 5.09 | 7.18 | | | | 6.78 | 7.4 |
| 2/2/2021 | 5.36 | 6.48 | 6.1 | 5.78 | 6.61 | | |
| 2/3/2021 | | | | | | 5.3 | 7.76 |
| 3/10/2021 | | 5.8 | 6.11 | 5.49 | 7.19 | 5.22 | |
| 3/11/2021 | 5.26 | | | | | | 7.93 |
| 8/23/2021 | | | 6.18 | | | | |
| 8/24/2021 | 5.21 | | | | 7.22 | 6.8 | 7.88 |
| 8/25/2021 | | 6.74 | | 5.52 | | | |
| 2/28/2022 | | | | | 7.14 | | |

Time Series

Constituent: pH, Field (S.U.) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|-----------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 3/1/2022 | 5.32 | | 6.2 | 5.59 | | 5.47 | 7.86 |
| 3/3/2022 | | 5.94 | | | | | |
| 8/15/2022 | 5.28 | | 6.04 | | | 6.54 | 7.76 |
| 8/16/2022 | | 6.19 | | 5.46 | 6.92 | | |
| 2/14/2023 | 5.37 | 5.89 | 6.06 | 5.49 | | 5.3 | 7.78 |
| 2/15/2023 | | | | | 7.21 | | |

Time Series

Constituent: pH, Field (S.U.) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|---------|---------|----------|----------|----------|----------|
| 5/18/2016 | 5.5 | 8.96 | | | | | 7.75 |
| 5/19/2016 | | | 5.93 | 6.91 | 6.85 | | |
| 7/18/2016 | | | 5.9661 | | | | |
| 7/19/2016 | 5.43 | | | | | | 7.876073 |
| 7/20/2016 | | 8.56774 | | 6.962608 | 6.705264 | | |
| 9/1/2016 | | | | 6.96 | | | |
| 9/13/2016 | 5.57 | | | | | | |
| 9/14/2016 | | | | | 6.7 | | 7.79 |
| 11/10/2016 | 6.93 | | | | 6.5 | | 7.76 |
| 11/11/2016 | | 6.96 | 6.03 | 6.76 | | | |
| 1/18/2017 | 7.16 | | | | | | |
| 1/24/2017 | | | | | | | 7.71 |
| 1/27/2017 | | | 6.21 | 6.66 | 6.47 | | |
| 2/6/2017 | | 6.93 | | | | | |
| 2/8/2017 | | | | | | 5.81 | |
| 2/23/2017 | | | | | | 5.8 | |
| 3/14/2017 | 5.82 | | | | | | 7.57 |
| 3/15/2017 | | 6.82 | 5.97 | 6.3 | 6.75 | | |
| 3/17/2017 | | | | | | 5.97 | |
| 4/11/2017 | | | | | | 6.18 | |
| 4/25/2017 | 5.57 | | | | | | 7.47 |
| 4/26/2017 | | 6.73 | 6.17 | 6.67 | 6.57 | 6.09 | |
| 5/17/2017 | | | | | | 6.26 | |
| 6/7/2017 | | | | | | 6.21 | |
| 7/11/2017 | | | | | | 6 | |
| 8/8/2017 | 5.6 | | | | | | |
| 8/9/2017 | | | | | 6.55 | | 7.37 |
| 8/10/2017 | | 6.66 | 6.05 | 6.7 | | | |
| 10/11/2017 | 5.43 | | | | | 6.97 | 7.42 |
| 10/12/2017 | | 6.67 | 6.89 | 6.89 | 6.67 | | |
| 3/28/2018 | 5.29 | | | | | | |
| 3/29/2018 | | | 6.85 | 7.08 | 6.99 | 6.51 | |
| 3/30/2018 | | 6.98 | | | | | 7.48 |
| 6/14/2018 | 5.39 | 6.56 | 5.89 | 6.73 | 6.39 | 5.76 | 7.5 |
| 10/3/2018 | 5.33 | | | | | | 7.11 |
| 10/4/2018 | | 6.4 | 5.81 | 6.79 | 6.5 | 5.97 | |
| 2/26/2019 | 5.62 | | | | | | |
| 2/27/2019 | | 6.23 | 5.78 | 6.7 | 6.47 | 5.73 | 7.4 |
| 4/2/2019 | 5.6 | | | | | | |
| 4/3/2019 | | | 6.07 | 6.91 | 6.47 | 5.68 | |
| 4/4/2019 | | 6.46 | | | | | 7.58 |
| 9/18/2019 | 5.6 | | | | 6.46 | 5.5 | 7.8 |
| 9/19/2019 | | 6.45 | 5.82 | 6.63 | | | |
| 2/5/2020 | 5.54 | 6.42 | 5.89 | 6.76 | 6.44 | 5.52 | |
| 2/7/2020 | | | | | | | 7.66 |
| 3/17/2020 | 5.32 | | | | | | |
| 3/18/2020 | | 6.4 | 5.89 | 6.94 | | | 7.73 |
| 3/19/2020 | | | | | 6.56 | 5.49 | |
| 9/22/2020 | 5.36 | | | | | | |
| 9/23/2020 | | 6.14 | | 6.42 | | | 7.35 |
| 9/24/2020 | | | 5.5 | | 6.29 | 5.16 | |
| 2/2/2021 | 5.84 | | | | | | |

Time Series

Constituent: pH, Field (S.U.) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|---------|---------|---------|---------|----------|---------|
| 2/3/2021 | | | 5.21 | 6.15 | | | |
| 2/4/2021 | | 6.21 | | | 6.34 | 5.76 | 7.77 |
| 3/10/2021 | 4.96 | | | | | | |
| 3/11/2021 | | 6.56 | | | 5.95 | 5.1 | |
| 3/12/2021 | | | 5.46 | 6.66 | | | 7.72 |
| 8/24/2021 | 5.53 | | | | | | |
| 8/25/2021 | | | 5.66 | 6.69 | 6.27 | 5.39 | |
| 8/26/2021 | | 6.31 | | | | | 7.58 |
| 3/3/2022 | 5.49 | 6.36 | 5.59 | | 6.31 | 5.4 | 7.61 |
| 3/4/2022 | | | | 6.79 | | | |
| 8/16/2022 | 5.32 | | 5.56 | | | | |
| 8/17/2022 | | | | | | | 7.54 |
| 8/18/2022 | | | | 6.52 | 6.15 | | |
| 8/19/2022 | | 6.2 | | | | 5.25 | |
| 2/14/2023 | 5.44 | | | | | | |
| 2/15/2023 | | | | | | | 7.72 |
| 2/16/2023 | | 6.39 | 5.69 | 6.61 | 6.27 | 5.4 | |

Time Series

Constituent: pH, Field (S.U.) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|----------|----------|---------|---------|---------|---------|---------|
| 5/18/2016 | 6.06 | 6.41 | | | | | |
| 7/18/2016 | 5.884339 | | | | | | |
| 7/20/2016 | | 6.662463 | | | | | |
| 9/14/2016 | 5.89 | 6.7 | | | | | |
| 11/10/2016 | 5.6 | 6.51 | | | | | |
| 11/11/2016 | | | 6.93 | | | | |
| 1/20/2017 | | 6.55 | | | | | |
| 1/24/2017 | 5.54 | | | | | | |
| 2/6/2017 | | | 6.8 | | | | |
| 3/14/2017 | | 6.27 | | | | | |
| 3/15/2017 | 5.39 | | 6.78 | | | | |
| 4/11/2017 | | | 6.79 | | | | |
| 4/25/2017 | 5.28 | 6.26 | | | | | |
| 4/26/2017 | | | 6.82 | | | | |
| 6/7/2017 | | | 6.76 | | | | |
| 7/11/2017 | | | 6.99 | | | | |
| 8/9/2017 | 5.46 | 6.47 | | | | | |
| 8/10/2017 | | | 6.59 | | | | |
| 10/11/2017 | 5.45 | 6.47 | | | | | |
| 10/12/2017 | | | 6.7 | | | | |
| 3/29/2018 | 5.33 | | 6.88 | | | | |
| 3/30/2018 | | 6.71 | | | | | |
| 6/14/2018 | 5.35 | 6.15 | 6.72 | | | | |
| 10/4/2018 | 5.28 | 6.14 | 6.67 | | | | |
| 2/26/2019 | | 6.17 | | | | | |
| 2/27/2019 | 5.08 | | | | | | |
| 2/28/2019 | | | 6.98 | | | | |
| 4/2/2019 | | | 6.75 | | | | |
| 4/4/2019 | 5.19 | 6.16 | | | | | |
| 9/18/2019 | 5.19 | 6.17 | 6.71 | | | | |
| 2/7/2020 | 5.17 | 6.34 | 7.08 | | | | |
| 3/18/2020 | 5.08 | 6.28 | | | | | |
| 5/4/2020 | | | 6.9 | | | | |
| 9/23/2020 | 5.05 | 5.89 | 6.59 | | | | |
| 2/3/2021 | | | 6.75 | | | | |
| 2/4/2021 | 5.42 | 6.31 | | | | | |
| 3/8/2021 | | | | 5.54 | | | |
| 3/9/2021 | | | | | 7.29 | 5.56 | 5.81 |
| 3/11/2021 | 5.21 | 5.96 | 7.12 | | | | |
| 4/7/2021 | | | | | 7.05 | | 5.57 |
| 4/8/2021 | | | | 5.6 | | 6.01 | |
| 8/25/2021 | 5.25 | 6.09 | | | | | |
| 8/26/2021 | | | 6.66 | 5.37 | 6.88 | 5.4 | 5.8 |
| 1/11/2022 | | | | | 6.68 | 5.4 | 5.61 |
| 1/12/2022 | | | | 5.19 | | | |
| 3/3/2022 | 5.22 | | 6.69 | | 6.88 | | |
| 3/4/2022 | | 6.21 | | 5.23 | | 5.34 | 5.74 |
| 6/6/2022 | | | | | 6.69 | | 5.73 |
| 6/7/2022 | | | | 5.39 | | 5.41 | |
| 8/16/2022 | | 6.02 | | | 6.72 | | |
| 8/17/2022 | 5.24 | | 6.6 | | | | 5.64 |
| 8/18/2022 | | | | 5.29 | | | |

Time Series

Constituent: pH, Field (S.U.) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|-----------|---------|---------|---------|---------|---------|---------|---------|
| 8/19/2022 | | | | | | 5.34 | |
| 2/15/2023 | 5.19 | | | | | 5.47 | 5.49 |
| 2/16/2023 | | 6.28 | 6.8 | 5.17 | 6.92 | | |

Time Series

Constituent: pH, Field (S.U.) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|---------|---------|----------|-----------|---------|----------|
| 5/19/2016 | | | 5.99 | 6.31 | | |
| 7/20/2016 | | | 6.194334 | 6.345061 | | |
| 9/14/2016 | | | | 6.33 | | |
| 9/15/2016 | | | 6.38 | | | |
| 11/14/2016 | | | 5.7 | | | |
| 2/6/2017 | | | 5.66 | | | |
| 3/15/2017 | | | 5.77 | 5.99 | | |
| 4/26/2017 | | | 5.39 | 6.03 | | |
| 8/10/2017 | | | 5.59 | 5.86 | | |
| 10/12/2017 | | | 5.46 | 6.09 | | |
| 3/29/2018 | | | 5.43 | 5.89 | | |
| 6/14/2018 | | | 5.76 | 6.47 | | |
| 10/4/2018 | | | 5.39 | 6.17 | | |
| 2/28/2019 | | | | 6.045 (D) | | |
| 4/3/2019 | | | 5.55 | 6.1 | | |
| 9/19/2019 | | | 5.39 | 6.38 | | |
| 2/5/2020 | | | | 6.54 | | |
| 2/7/2020 | | | 5.38 | | | |
| 3/19/2020 | | | 6.43 | 6.64 | | |
| 9/22/2020 | | | 5.17 | | | |
| 9/23/2020 | | | | 5.8 | | |
| 2/3/2021 | | | 5.08 | | | |
| 2/4/2021 | | | | 6.22 | | |
| 3/8/2021 | | 5.36 | | | | |
| 3/9/2021 | 4.29 | | | | | |
| 3/11/2021 | | | 5.35 | | | |
| 3/12/2021 | | | | 5.88 | | |
| 4/7/2021 | 4.43 | | | | | |
| 4/8/2021 | | 5.39 | | | | |
| 8/26/2021 | 4.33 | 5.3 | 5.36 | 5.84 | | |
| 1/11/2022 | 4.39 | 5.26 | | | | |
| 3/3/2022 | 4.39 | | 5.21 | 5.86 | | |
| 3/4/2022 | | 5.21 | | | | |
| 6/6/2022 | 4.52 | | | | | |
| 6/7/2022 | | 5.32 | | | | |
| 8/16/2022 | | | 5.4 | | | |
| 8/17/2022 | | 5.28 | | 5.8 | | |
| 8/18/2022 | 4.42 | | | | | |
| 10/19/2022 | | | | | 5.93 | 6.27 |
| 2/15/2023 | 4.54 | 5.36 | | 5.86 | | |
| 2/16/2023 | | | 5.22 | | 5.91 | 5.52 |

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | <0.005 | <0.005 | <0.005 | | | | |
| 5/18/2016 | | | | <0.005 | <0.005 | <0.005 | <0.005 |
| 7/19/2016 | <0.005 | <0.005 | <0.005 | | | <0.005 | <0.005 |
| 7/20/2016 | | | | <0.005 | <0.005 | | |
| 9/13/2016 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | | <0.005 |
| 9/14/2016 | | | | | | <0.005 | |
| 11/9/2016 | <0.005 | <0.005 | <0.005 | | | | <0.005 |
| 11/10/2016 | | | | <0.005 | <0.005 | | |
| 1/17/2017 | <0.005 | | <0.005 | | | | |
| 1/18/2017 | | | | <0.005 | <0.005 | | <0.005 |
| 1/19/2017 | | <0.005 | | | | <0.005 | |
| 3/13/2017 | <0.005 | | <0.005 | | | | |
| 3/14/2017 | | 0.0028 | | 0.00026 (J) | <0.005 | <0.005 | <0.005 |
| 4/24/2017 | <0.005 | | <0.005 | | | | |
| 4/25/2017 | | 0.0018 | | 0.00035 (J) | <0.005 | <0.005 | <0.005 |
| 8/8/2017 | 0.0013 | <0.005 | <0.005 | <0.005 | | | <0.005 |
| 8/9/2017 | | | | | <0.005 | <0.005 | |
| 3/27/2018 | 0.00055 (J) | | <0.005 | | | | |
| 3/28/2018 | | <0.005 | | <0.005 | <0.005 | <0.005 | <0.005 |
| 6/13/2018 | <0.005 | <0.005 | | | | 0.00025 (J) | <0.005 |
| 6/14/2018 | | | <0.005 | <0.005 | 0.00032 (J) | | |
| 9/24/2018 | | | <0.005 | | | | |
| 9/27/2018 | <0.005 | | | | | | |
| 9/28/2018 | | <0.005 | | | | | |
| 10/2/2018 | | | | | | | <0.005 |
| 10/3/2018 | | | | <0.005 | <0.005 | <0.005 | |
| 2/25/2019 | <0.005 | | <0.005 | | | | |
| 2/26/2019 | | <0.005 | | <0.005 | <0.005 | <0.005 | <0.005 |
| 4/1/2019 | <0.005 | | <0.005 | | | | |
| 4/2/2019 | | <0.005 | | <0.005 | <0.005 | <0.005 | <0.005 |
| 9/16/2019 | <0.005 | | | | | <0.005 | <0.005 |
| 9/17/2019 | | <0.005 | <0.005 | | <0.005 | | |
| 9/18/2019 | | | | <0.005 | | | |
| 2/3/2020 | <0.005 | | <0.005 | | | | |
| 2/4/2020 | | | | <0.005 | <0.005 | <0.005 | <0.005 |
| 2/5/2020 | | <0.005 | | | | | |
| 3/16/2020 | <0.005 | | 0.0026 (J) | | | | |
| 3/17/2020 | | <0.005 | | <0.005 | <0.005 | <0.005 | <0.005 |
| 9/21/2020 | | | <0.005 | <0.005 | <0.005 | | |
| 9/22/2020 | <0.005 | <0.005 | | | | <0.005 | <0.005 |
| 2/2/2021 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | | |
| 2/3/2021 | | | | | | <0.005 | <0.005 |
| 3/10/2021 | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | |
| 3/11/2021 | <0.005 | | | | | | <0.005 |
| 8/23/2021 | | | <0.005 | | | | |
| 8/24/2021 | <0.005 | | | | <0.005 | <0.005 | <0.005 |
| 8/25/2021 | | <0.005 | | <0.005 | | | |
| 2/28/2022 | | | | | <0.005 | | |
| 3/1/2022 | <0.005 | | <0.005 | <0.005 | | <0.005 | <0.005 |
| 3/3/2022 | | <0.005 | | | | | |
| 8/15/2022 | <0.005 | | <0.005 | | | <0.005 | <0.005 |
| 8/16/2022 | | <0.005 | | <0.005 | <0.005 | | |

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|-----------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 2/14/2023 | <0.005 | <0.005 | <0.005 | <0.005 | | <0.005 | <0.005 |
| 2/15/2023 | | | | | <0.005 | | |

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|-------------|-------------|---------|---------|------------|------------|
| 5/18/2016 | <0.005 | <0.005 | | | | | <0.005 |
| 5/19/2016 | | | <0.005 | <0.005 | <0.005 | | |
| 7/19/2016 | <0.005 | | | | | | <0.005 |
| 7/20/2016 | | <0.005 | <0.005 | <0.005 | <0.005 | | |
| 9/13/2016 | <0.005 | | | | | | |
| 9/14/2016 | | <0.005 | <0.005 | <0.005 | <0.005 | | <0.005 |
| 11/10/2016 | <0.005 | | | | <0.005 | | <0.005 |
| 11/11/2016 | | <0.005 | <0.005 | <0.005 | | | |
| 1/18/2017 | <0.005 | | | | | | |
| 1/24/2017 | | | | | | | <0.005 |
| 1/27/2017 | | | <0.005 | <0.005 | <0.005 | | |
| 2/6/2017 | | <0.005 | | | | | |
| 2/8/2017 | | | | | | <0.005 | |
| 2/23/2017 | | | | | | <0.005 | |
| 3/14/2017 | <0.005 | | | | | | <0.005 |
| 3/15/2017 | | <0.005 | <0.005 | <0.005 | <0.005 | | |
| 3/17/2017 | | | | | | <0.005 | |
| 4/11/2017 | | | | | | <0.005 | |
| 4/25/2017 | <0.005 | | | | | | <0.005 |
| 4/26/2017 | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | |
| 5/17/2017 | | | | | | <0.005 | |
| 6/7/2017 | | | | | | <0.005 | |
| 7/11/2017 | | | | | | <0.005 | |
| 8/8/2017 | <0.005 | | | | | | |
| 8/9/2017 | | | | | <0.005 | | <0.005 |
| 8/10/2017 | | 0.00031 (J) | 0.00049 (J) | 0.0021 | | | |
| 3/28/2018 | <0.005 | | | | | | |
| 3/29/2018 | | | <0.005 | <0.005 | <0.005 | 0.0003 (J) | |
| 3/30/2018 | | <0.005 | | | | | <0.005 |
| 6/14/2018 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0005 (J) |
| 10/3/2018 | <0.005 | | | | | | <0.005 |
| 10/4/2018 | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | |
| 2/26/2019 | <0.005 | | | | | | |
| 2/27/2019 | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| 4/2/2019 | <0.005 | | | | | | |
| 4/3/2019 | | | <0.005 | <0.005 | <0.005 | <0.005 | |
| 4/4/2019 | | <0.005 | | | | | <0.005 |
| 9/18/2019 | <0.005 | | | | <0.005 | <0.005 | <0.005 |
| 9/19/2019 | | <0.005 | <0.005 | <0.005 | | | |
| 2/5/2020 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | |
| 2/7/2020 | | | | | | | <0.005 |
| 3/17/2020 | <0.005 | | | | | | |
| 3/18/2020 | | <0.005 | <0.005 | <0.005 | | | <0.005 |
| 3/19/2020 | | | | | <0.005 | <0.005 | |
| 9/22/2020 | <0.005 | | | | | | |
| 9/23/2020 | | <0.005 | | <0.005 | | | <0.005 |
| 9/24/2020 | | | <0.005 | | <0.005 | <0.005 | |
| 2/2/2021 | <0.005 | | | | | | |
| 2/3/2021 | | | <0.005 | <0.005 | | | |
| 2/4/2021 | | <0.005 | | | <0.005 | <0.005 | <0.005 |
| 3/10/2021 | <0.005 | | | | | | |
| 3/11/2021 | | <0.005 | | | <0.005 | <0.005 | |

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|---------|---------|---------|---------|----------|---------|
| 3/12/2021 | | | <0.005 | <0.005 | | | <0.005 |
| 8/24/2021 | <0.005 | | | | | | |
| 8/25/2021 | | | <0.005 | <0.005 | <0.005 | <0.005 | |
| 8/26/2021 | | <0.005 | | | | | <0.005 |
| 3/3/2022 | <0.005 | <0.005 | <0.005 | | <0.005 | <0.005 | <0.005 |
| 3/4/2022 | | | | <0.005 | | | |
| 8/16/2022 | <0.005 | | <0.005 | | | | |
| 8/17/2022 | | | | | | | <0.005 |
| 8/18/2022 | | | | <0.005 | <0.005 | | |
| 8/19/2022 | | <0.005 | | | | <0.005 | |
| 2/14/2023 | <0.005 | | | | | | |
| 2/15/2023 | | | | | | | <0.005 |
| 2/16/2023 | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | |

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|------------|---------|-------------|------------|---------|------------|------------|
| 5/18/2016 | 0.00735 | <0.005 | | | | | |
| 7/19/2016 | 0.0075 | | | | | | |
| 7/20/2016 | | <0.005 | | | | | |
| 9/14/2016 | 0.0091 | <0.005 | | | | | |
| 11/10/2016 | 0.0056 | <0.005 | | | | | |
| 11/11/2016 | | | <0.005 | | | | |
| 1/20/2017 | | <0.005 | | | | | |
| 1/24/2017 | 0.012 | | | | | | |
| 2/6/2017 | | | <0.005 | | | | |
| 3/14/2017 | | <0.005 | | | | | |
| 3/15/2017 | 0.012 | | <0.005 | | | | |
| 4/11/2017 | | | <0.005 | | | | |
| 4/25/2017 | 0.013 | <0.005 | | | | | |
| 4/26/2017 | | | <0.005 | | | | |
| 6/7/2017 | | | <0.005 | | | | |
| 7/11/2017 | | | <0.005 | | | | |
| 8/9/2017 | 0.016 | <0.005 | | | | | |
| 8/10/2017 | | | 0.00036 (J) | | | | |
| 3/29/2018 | 0.016 | | <0.005 | | | | |
| 3/30/2018 | | <0.005 | | | | | |
| 6/14/2018 | 0.012 | <0.005 | <0.005 | | | | |
| 10/4/2018 | 0.013 | <0.005 | <0.005 | | | | |
| 2/26/2019 | | <0.005 | | | | | |
| 2/27/2019 | 0.0081 | | | | | | |
| 2/28/2019 | | | <0.005 | | | | |
| 4/2/2019 | | | <0.005 | | | | |
| 4/4/2019 | 0.0091 | <0.005 | | | | | |
| 9/18/2019 | 0.0044 (J) | <0.005 | <0.005 | | | | |
| 2/7/2020 | 0.0036 (J) | <0.005 | <0.005 | | | | |
| 3/18/2020 | 0.0046 (J) | <0.005 | | | | | |
| 5/4/2020 | | | <0.005 | | | | |
| 9/23/2020 | 0.0028 (J) | <0.005 | <0.005 | | | | |
| 2/3/2021 | | | <0.005 | | | | |
| 2/4/2021 | 0.0023 (J) | <0.005 | | | | | |
| 3/11/2021 | 0.0023 (J) | <0.005 | <0.005 | | | | |
| 8/25/2021 | 0.0019 (J) | <0.005 | | | | | |
| 8/26/2021 | | | <0.005 | 0.0016 (J) | <0.005 | 0.0049 (J) | 0.002 (J) |
| 1/11/2022 | | | | | <0.005 | 0.0065 | 0.0024 (J) |
| 1/12/2022 | | | | <0.005 | | | |
| 3/3/2022 | 0.0018 (J) | | <0.005 | | <0.005 | | |
| 3/4/2022 | | <0.005 | | 0.0014 (J) | | 0.0072 | 0.002 (J) |
| 6/6/2022 | | | | | <0.005 | | 0.0018 (J) |
| 6/7/2022 | | | | 0.0014 (J) | | 0.0047 (J) | |
| 8/16/2022 | | <0.005 | | | <0.005 | | |
| 8/17/2022 | <0.005 | | <0.005 | | | | 0.0013 (J) |
| 8/18/2022 | | | | 0.0027 (J) | | | |
| 8/19/2022 | | | | | | 0.0035 (J) | |
| 2/15/2023 | 0.0019 (J) | | | | | 0.0077 | 0.0026 (J) |
| 2/16/2023 | | <0.005 | <0.005 | 0.0017 (J) | <0.005 | | |

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|-------------|---------|------------|------------|---------|------------|
| 5/19/2016 | | | 0.00518 | 0.00228 | | |
| 7/20/2016 | | | 0.0038 | 0.0016 | | |
| 9/14/2016 | | | | 0.0024 | | |
| 9/15/2016 | | | 0.0034 | | | |
| 11/14/2016 | | | 0.0033 | | | |
| 2/6/2017 | | | 0.0033 | | | |
| 2/9/2017 | | | | 0.0023 | | |
| 3/15/2017 | | | 0.003 | 0.0031 | | |
| 4/11/2017 | | | | 0.0023 | | |
| 4/26/2017 | | | 0.0032 | 0.0019 | | |
| 8/10/2017 | | | 0.0031 | 0.0021 | | |
| 3/29/2018 | | | 0.0034 | 0.0021 | | |
| 6/14/2018 | | | 0.0031 | 0.0025 | | |
| 10/4/2018 | | | 0.0033 | 0.002 | | |
| 2/27/2019 | | | 0.0035 | | | |
| 2/28/2019 | | | | 0.0027 | | |
| 4/3/2019 | | | 0.0031 | 0.0019 | | |
| 9/19/2019 | | | 0.0021 (J) | 0.0026 (J) | | |
| 2/5/2020 | | | | 0.0033 (J) | | |
| 2/7/2020 | | | 0.0048 (J) | | | |
| 3/19/2020 | | | 0.0037 (J) | 0.0033 (J) | | |
| 9/22/2020 | | | 0.0039 (J) | | | |
| 9/23/2020 | | | | 0.0029 (J) | | |
| 2/3/2021 | | | 0.0036 (J) | | | |
| 2/4/2021 | | | | 0.003 (J) | | |
| 3/11/2021 | | | 0.0038 (J) | | | |
| 3/12/2021 | | | | 0.0034 (J) | | |
| 8/26/2021 | <0.005 | <0.005 | 0.0037 (J) | 0.0028 (J) | | |
| 1/11/2022 | <0.005 | <0.005 | | | | |
| 3/3/2022 | 0.00077 (J) | | 0.0038 (J) | 0.0021 (J) | | |
| 3/4/2022 | | <0.005 | | | | |
| 6/6/2022 | <0.005 | | | | | |
| 6/7/2022 | | <0.005 | | | | |
| 8/16/2022 | | | 0.0075 | | | |
| 8/17/2022 | | <0.005 | | 0.0022 (J) | | |
| 8/18/2022 | <0.005 | | | | | |
| 10/19/2022 | | | | | <0.005 | 0.0014 (J) |
| 2/15/2023 | <0.005 | <0.005 | | 0.0037 (J) | | |
| 2/16/2023 | | | 0.0033 (J) | | <0.005 | 0.0012 (J) |

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | <1 | 19.9 | 1.14 | | | | |
| 5/18/2016 | | | | 0.821 (J) | 5.32 | 0.955 (J) | 8.88 |
| 7/19/2016 | <1 | 14 | 1.4 | | | 0.76 (J) | 9 |
| 7/20/2016 | | | | 0.82 (J) | 6.5 | | |
| 9/13/2016 | <1 | 11 | 1.1 | 0.81 (J) | 5.6 | | 8.5 |
| 9/14/2016 | | | | | | 3.4 | |
| 11/9/2016 | <1 | 6.3 | 1.1 | | | | 8.2 |
| 11/10/2016 | | | | 0.73 (J) | 5.4 | | |
| 1/17/2017 | <1 | | 2.1 | | | | |
| 1/18/2017 | | | | 0.99 (J) | 5.1 | | 9.4 |
| 1/19/2017 | | 7.4 | | | | 21 | |
| 3/13/2017 | <1 | | 0.97 (J) | | | | |
| 3/14/2017 | | 10 | | 0.83 (J) | 4.6 | 1.4 | 2 |
| 4/24/2017 | <1 | | 0.75 (J) | | | | |
| 4/25/2017 | | 10 | | 0.7 (J) | 6.6 | 0.89 (J) | 8.2 |
| 8/8/2017 | <1 | 12 | 1.1 | 0.82 (J) | | | 8.5 |
| 8/9/2017 | | | | | 7.3 | 0.75 (J) | |
| 10/10/2017 | <1 | | 1.3 | | | | |
| 10/11/2017 | | 11 | | 0.72 (J) | 6.8 | <1 | 8.3 |
| 6/13/2018 | <1 | 8.2 | | | | <1 | 8.3 |
| 6/14/2018 | | | 0.84 (J) | <1 | 6.9 | | |
| 9/24/2018 | | | 0.79 (J) | | | | |
| 9/27/2018 | <1 | | | | | | |
| 9/28/2018 | | 7.6 | | | | | |
| 10/2/2018 | | | | | | | 8.3 |
| 10/3/2018 | | | | 0.73 (J) | 7 | <1 | |
| 4/1/2019 | <1 | | 1 | | | | |
| 4/2/2019 | | 11 | | 1.1 | 8.1 | 0.94 (J) | 8.5 |
| 9/16/2019 | 0.49 (J) | | | | | 2.2 | 8.9 |
| 9/17/2019 | | 8 | 1.3 | | 8.1 | | |
| 9/18/2019 | | | | 0.78 (J) | | | |
| 3/16/2020 | 0.42 (J) | | 1.3 | | | | |
| 3/17/2020 | | 8.5 | | 1.2 | 12 | 4 | 12 |
| 9/21/2020 | | | 1.1 | 0.77 (J) | 7.7 | | |
| 9/22/2020 | <1 | 9 | | | | 1.5 | 8 |
| 3/10/2021 | | 7.1 | 0.9 (J) | 0.91 (J) | 8.1 | <1 | |
| 3/11/2021 | <1 | | | | | | 8.4 |
| 8/23/2021 | | | 1.3 | | | | |
| 8/24/2021 | <1 | | | | 7.9 | 2.8 | 8.9 |
| 8/25/2021 | | 8.2 | | 0.79 (J) | | | |
| 2/28/2022 | | | | | 8.4 | | |
| 3/1/2022 | <1 | | 1.6 | 0.98 (J) | | 0.99 (J) | 9.2 |
| 3/3/2022 | | 8.5 | | | | | |
| 8/15/2022 | <1 | | 0.54 (J) | | | 1.6 | 7.5 |
| 8/16/2022 | | 7.2 | | 0.52 (J) | 6.9 | | |
| 2/14/2023 | <1 | 7.3 | 0.66 (J) | 0.65 (J) | | 0.66 (J) | 7.9 |
| 2/15/2023 | | | | | 7.8 | | |

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|---------|----------|---------|----------|----------|---------|
| 5/18/2016 | 0.368 (J) | 2.84 | | | | | 50.7 |
| 5/19/2016 | | | 1.83 | 15.8 | 19.2 | | |
| 7/19/2016 | <1 | | | | | | 62 |
| 7/20/2016 | | 2.8 | 1.6 | 16 | 11 | | |
| 9/13/2016 | <1 | | | | | | |
| 9/14/2016 | | 2.8 | 1.5 | 16 | 8.6 | | 79 |
| 11/10/2016 | <1 | | | | 5.7 | | 61 |
| 11/11/2016 | | 2.6 | 1.4 | 14 | | | |
| 1/18/2017 | 1.4 | | | | | | |
| 1/24/2017 | | | | | | | 34 |
| 1/27/2017 | | | 2.5 | 15 | 6.8 | | |
| 2/6/2017 | | 2.7 | | | | | |
| 2/8/2017 | | | | | | 4.3 | |
| 2/23/2017 | | | | | | 16 | |
| 3/14/2017 | <1 | | | | | | 43 |
| 3/15/2017 | | 2.7 | 2.5 | 17 | 11 | | |
| 3/17/2017 | | | | | | 22 | |
| 4/11/2017 | | | | | | 13 | |
| 4/25/2017 | <1 | | | | | | 39 |
| 4/26/2017 | | 2.5 | 2.2 | 15 | 8.1 | 20 | |
| 5/17/2017 | | | | | | 12 | |
| 6/7/2017 | | | | | | 8.1 | |
| 7/11/2017 | | | | | | 17 | |
| 8/8/2017 | <1 | | | | | | |
| 8/9/2017 | | | | | 8.1 | | 35 |
| 8/10/2017 | | 2.2 | 2.3 | 16 | | | |
| 10/11/2017 | <1 | | | | | 3.4 | 48 |
| 10/12/2017 | | 1.9 | 1.9 | 14 | 6.1 | | |
| 6/14/2018 | <1 | 2 | 1.7 | 14 | 5 | 5.8 | 44 |
| 10/3/2018 | <1 | | | | | | 49 |
| 10/4/2018 | | 1.9 | 1.6 | 14 | 4.3 | 2.8 | |
| 4/2/2019 | 0.4 (J) | | | | | | |
| 4/3/2019 | | | 1.9 | 13 | 3.8 | 3.8 | |
| 4/4/2019 | | 2.2 | | | | | 41 |
| 9/18/2019 | <1 | | | | 3.9 | 1.7 | 37 |
| 9/19/2019 | | 2.1 | 1.3 | 14 | | | |
| 3/17/2020 | 0.86 (J) | | | | | | |
| 3/18/2020 | | 2.1 | 1.6 | 12 | | | 17 |
| 3/19/2020 | | | | | 4 | 1.5 | |
| 9/22/2020 | 0.38 (J) | | | | | | |
| 9/23/2020 | | 1.8 | | 12 | | | 21 |
| 9/24/2020 | | | 2.7 | | 0.63 (J) | 1.2 | |
| 3/10/2021 | <1 | | | | | | |
| 3/11/2021 | | 2.8 | | | 2.9 | 1.7 | |
| 3/12/2021 | | | 2 | 14 | | | 19 |
| 8/24/2021 | <1 | | | | | | |
| 8/25/2021 | | | 1.1 | 13 | 1.8 | <1 | |
| 8/26/2021 | | 1.8 | | | | | 16 |
| 3/3/2022 | <1 | 2 | 2.3 | | 3 | 1.3 | 18 |
| 3/4/2022 | | | | 14 | | | |
| 8/16/2022 | <1 | | 0.98 (J) | | | | |
| 8/17/2022 | | | | | | | 14 |

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|---------|---------|---------|---------|----------|---------|
| 8/18/2022 | | | | 11 | 1.7 | | |
| 8/19/2022 | | 1.6 | | | | <1 | |
| 2/14/2023 | <1 | | | | | | |
| 2/15/2023 | | | | | | | 14 |
| 2/16/2023 | | 1.8 | 1 | 2.8 | 2.3 | 0.47 (J) | |

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|---------|---------|---------|---------|---------|---------|---------|
| 5/18/2016 | 388 | 32.1 | | | | | |
| 7/19/2016 | 460 | | | | | | |
| 7/20/2016 | | 9.7 | | | | | |
| 9/14/2016 | 500 | 6.6 | | | | | |
| 11/10/2016 | 530 | 5.2 | | | | | |
| 11/11/2016 | | | 3.4 | | | | |
| 1/20/2017 | | 5.3 | | | | | |
| 1/24/2017 | 600 | | | | | | |
| 2/6/2017 | | | 3.7 | | | | |
| 3/14/2017 | | 9.6 | | | | | |
| 3/15/2017 | 610 | | 3.6 | | | | |
| 4/11/2017 | | | 3.2 | | | | |
| 4/25/2017 | 620 | 20 | | | | | |
| 4/26/2017 | | | 3.3 | | | | |
| 6/7/2017 | | | 3.8 | | | | |
| 7/11/2017 | | | 3.3 | | | | |
| 8/9/2017 | 780 | 6.5 | | | | | |
| 8/10/2017 | | | 3.7 | | | | |
| 10/11/2017 | 720 | 13 | | | | | |
| 10/12/2017 | | | 3.6 | | | | |
| 6/14/2018 | 620 | 16 | 3.5 | | | | |
| 10/4/2018 | 560 | 15 | 4.6 | | | | |
| 4/2/2019 | | | 3.8 | | | | |
| 4/4/2019 | 250 | 9.1 | | | | | |
| 9/18/2019 | 130 | 7.3 | 3.6 | | | | |
| 3/18/2020 | 120 | 4.2 | | | | | |
| 5/4/2020 | | | 4.5 | | | | |
| 9/23/2020 | 85 | 4.4 | 3 | | | | |
| 3/8/2021 | | | | 240 | | | |
| 3/9/2021 | | | | | 230 | 80 | 14 |
| 3/11/2021 | 64 | 3.9 | 4 | | | | |
| 4/7/2021 | | | | | 190 | | 5.1 |
| 4/8/2021 | | | | 240 | | 60 | |
| 8/25/2021 | 63 | 3.3 | | | | | |
| 8/26/2021 | | | 3.5 | 290 | 190 | 100 | 7.5 |
| 1/11/2022 | | | | | 260 | 140 | 5.3 |
| 1/12/2022 | | | | 360 | | | |
| 3/3/2022 | 57 | | 4.8 | | 250 | | |
| 3/4/2022 | | 3.6 | | 390 | | 150 | 5 |
| 6/6/2022 | | | | | 140 | | 5.3 |
| 6/7/2022 | | | | 280 | | 96 | |
| 8/16/2022 | | 3.4 | | | 240 | | |
| 8/17/2022 | 49 | | 2.8 | | | | 5.5 |
| 8/18/2022 | | | | 280 | | | |
| 8/19/2022 | | | | | | 87 | |
| 2/15/2023 | 54 | | | | | 110 | 5.2 |
| 2/16/2023 | | 2.6 | 3 | 350 | 340 | | |

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|---------|---------|--------|--------|---------|----------|
| 5/19/2016 | | | 146 | 35.9 | | |
| 7/20/2016 | | | 150 | 37 | | |
| 9/14/2016 | | | | 39 | | |
| 9/15/2016 | | | 140 | | | |
| 11/14/2016 | | | 160 | | | |
| 2/6/2017 | | | 180 | | | |
| 2/9/2017 | | | | 60 | | |
| 3/15/2017 | | | 170 | 44 | | |
| 4/11/2017 | | | | 36 | | |
| 4/26/2017 | | | 180 | 37 | | |
| 8/10/2017 | | | 180 | 38 | | |
| 10/12/2017 | | | 180 | 37 | | |
| 6/14/2018 | | | 170 | 37 | | |
| 10/4/2018 | | | 780 | 38 | | |
| 4/3/2019 | | | 180 | 41 | | |
| 9/19/2019 | | | 190 | 42 | | |
| 3/19/2020 | | | 200 | 45 | | |
| 9/22/2020 | | | 200 | | | |
| 9/23/2020 | | | | 54 | | |
| 3/8/2021 | | 4.7 | | | | |
| 3/9/2021 | 140 | | | | | |
| 3/11/2021 | | | 220 | | | |
| 3/12/2021 | | | | 62 | | |
| 4/7/2021 | 160 | | | | | |
| 4/8/2021 | | 5.8 | | | | |
| 8/26/2021 | 170 | 13 | 220 | 52 | | |
| 1/11/2022 | 160 | 21 | | | | |
| 3/3/2022 | 130 | | 250 | 58 | | |
| 3/4/2022 | | 21 | | | | |
| 6/6/2022 | 67 | | | | | |
| 6/7/2022 | | 22 | | | | |
| 8/16/2022 | | | 220 | | | |
| 8/17/2022 | | 25 | | 50 | | |
| 8/18/2022 | 49 | | | | | |
| 10/19/2022 | | | | | 12 | 290 |
| 2/15/2023 | 120 | 27 | | 65 | | |
| 2/16/2023 | | | 250 | | 29 | 370 |

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | <0.001 | <0.001 | <0.001 | | | | |
| 5/18/2016 | | | | <0.001 | <0.001 | <0.001 | <0.001 |
| 7/19/2016 | <0.001 | <0.001 | <0.001 | | | <0.001 | <0.001 |
| 7/20/2016 | | | | <0.001 | <0.001 | | |
| 9/13/2016 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | | <0.001 |
| 9/14/2016 | | | | | | 9E-05 (J) | |
| 11/9/2016 | <0.001 | <0.001 | <0.001 | | | | <0.001 |
| 11/10/2016 | | | | <0.001 | <0.001 | | |
| 1/17/2017 | <0.001 | | <0.001 | | | | |
| 1/18/2017 | | | | <0.001 | <0.001 | | <0.001 |
| 1/19/2017 | | <0.001 | | | | <0.001 | |
| 3/13/2017 | <0.001 | | <0.001 | | | | |
| 3/14/2017 | | <0.001 | | <0.001 | <0.001 | <0.001 | <0.001 |
| 4/24/2017 | <0.001 | | <0.001 | | | | |
| 4/25/2017 | | <0.001 | | <0.001 | <0.001 | <0.001 | <0.001 |
| 8/8/2017 | <0.001 | <0.001 | <0.001 | <0.001 | | | <0.001 |
| 8/9/2017 | | | | | <0.001 | <0.001 | |
| 3/27/2018 | <0.001 | | <0.001 | | | | |
| 3/28/2018 | | <0.001 | | <0.001 | <0.001 | <0.001 | <0.001 |
| 6/13/2018 | <0.001 | <0.001 | | | | <0.001 | <0.001 |
| 6/14/2018 | | | <0.001 | <0.001 | <0.001 | | |
| 9/24/2018 | | | <0.001 | | | | |
| 9/27/2018 | <0.001 | | | | | | |
| 9/28/2018 | | <0.001 | | | | | |
| 10/2/2018 | | | | | | | <0.001 |
| 10/3/2018 | | | | <0.001 | <0.001 | <0.001 | |
| 2/25/2019 | <0.001 | | <0.001 | | | | |
| 2/26/2019 | | <0.001 | | <0.001 | <0.001 | <0.001 | <0.001 |
| 4/1/2019 | <0.001 | | <0.001 | | | | |
| 4/2/2019 | | <0.001 | | <0.001 | <0.001 | <0.001 | <0.001 |
| 9/16/2019 | 0.00016 (J) | | | | | <0.001 | 0.00062 (J) |
| 9/17/2019 | | <0.001 | <0.001 | | <0.001 | | |
| 9/18/2019 | | | | <0.001 | | | |
| 2/3/2020 | <0.001 | | 0.0002 (J) | | | | |
| 2/4/2020 | | | | <0.001 | <0.001 | <0.001 | <0.001 |
| 2/5/2020 | | <0.001 | | | | | |
| 3/16/2020 | 0.00036 (J) | | 0.0003 (J) | | | | |
| 3/17/2020 | | <0.001 | | <0.001 | <0.001 | <0.001 | <0.001 |
| 9/21/2020 | | | <0.001 | <0.001 | <0.001 | | |
| 9/22/2020 | <0.001 | <0.001 | | | | <0.001 | <0.001 |
| 2/2/2021 | <0.001 | <0.001 | 0.0004 (J) | <0.001 | <0.001 | | |
| 2/3/2021 | | | | | | 0.00042 (J) | <0.001 |
| 3/10/2021 | | <0.001 | 0.00073 (J) | 0.00028 (J) | 0.00017 (J) | <0.001 | |
| 3/11/2021 | 0.00045 (J) | | | | | | <0.001 |
| 8/23/2021 | | | <0.001 | | | | |
| 8/24/2021 | <0.001 | | | | <0.001 | <0.001 | <0.001 |
| 8/25/2021 | | <0.001 | | <0.001 | | | |
| 2/28/2022 | | | | | <0.001 | | |
| 3/1/2022 | <0.001 | | <0.001 | <0.001 | | <0.001 | <0.001 |
| 3/3/2022 | | <0.001 | | | | | |
| 8/15/2022 | <0.001 | | <0.001 | | | <0.001 | <0.001 |
| 8/16/2022 | | <0.001 | | <0.001 | <0.001 | | |

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|-----------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 2/14/2023 | <0.001 | <0.001 | <0.001 | <0.001 | | <0.001 | <0.001 |
| 2/15/2023 | | | | | <0.001 | | |

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|-------------|-------------|---------|---------|-------------|---------|
| 5/18/2016 | <0.001 | <0.001 | | | | | <0.001 |
| 5/19/2016 | | | <0.001 | <0.001 | <0.001 | | |
| 7/19/2016 | <0.001 | | | | | | <0.001 |
| 7/20/2016 | | <0.001 | <0.001 | <0.001 | <0.001 | | |
| 9/13/2016 | <0.001 | | | | | | |
| 9/14/2016 | | <0.001 | <0.001 | <0.001 | <0.001 | | <0.001 |
| 11/10/2016 | <0.001 | | | | <0.001 | | <0.001 |
| 11/11/2016 | | <0.001 | <0.001 | <0.001 | | | |
| 1/18/2017 | <0.001 | | | | | | |
| 1/24/2017 | | | | | | | <0.001 |
| 1/27/2017 | | | <0.001 | <0.001 | <0.001 | | |
| 2/6/2017 | | <0.001 | | | | | |
| 2/8/2017 | | | | | | 0.00011 (J) | |
| 2/23/2017 | | | | | | 0.00012 (J) | |
| 3/14/2017 | <0.001 | | | | | | <0.001 |
| 3/15/2017 | | <0.001 | <0.001 | <0.001 | <0.001 | | |
| 3/17/2017 | | | | | | <0.001 | |
| 4/11/2017 | | | | | | <0.001 | |
| 4/25/2017 | <0.001 | | | | | | <0.001 |
| 4/26/2017 | | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | |
| 5/17/2017 | | | | | | <0.001 | |
| 6/7/2017 | | | | | | <0.001 | |
| 7/11/2017 | | | | | | <0.001 | |
| 8/8/2017 | <0.001 | | | | | | |
| 8/9/2017 | | | | | <0.001 | | <0.001 |
| 8/10/2017 | | <0.001 | <0.001 | <0.001 | | | |
| 3/28/2018 | <0.001 | | | | | | |
| 3/29/2018 | | | <0.001 | <0.001 | <0.001 | 0.0002 (J) | |
| 3/30/2018 | | 8.5E-05 (J) | | | | | <0.001 |
| 6/14/2018 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.00014 (J) | <0.001 |
| 10/3/2018 | <0.001 | | | | | | <0.001 |
| 10/4/2018 | | <0.001 | <0.001 | <0.001 | <0.001 | 0.00013 (J) | |
| 2/26/2019 | <0.001 | | | | | | |
| 2/27/2019 | | <0.001 | <0.001 | <0.001 | <0.001 | 0.00016 (J) | <0.001 |
| 4/2/2019 | <0.001 | | | | | | |
| 4/3/2019 | | | <0.001 | <0.001 | <0.001 | 0.00012 (J) | |
| 4/4/2019 | | <0.001 | | | | | <0.001 |
| 9/18/2019 | <0.001 | | | | <0.001 | <0.001 | <0.001 |
| 9/19/2019 | | <0.001 | <0.001 | <0.001 | | | |
| 2/5/2020 | 0.00026 (J) | <0.001 | <0.001 | <0.001 | <0.001 | 0.00022 (J) | |
| 2/7/2020 | | | | | | | <0.001 |
| 3/17/2020 | <0.001 | | | | | | |
| 3/18/2020 | | <0.001 | <0.001 | <0.001 | | | <0.001 |
| 3/19/2020 | | | | | <0.001 | 0.00017 (J) | |
| 9/22/2020 | <0.001 | | | | | | |
| 9/23/2020 | | <0.001 | | <0.001 | | | <0.001 |
| 9/24/2020 | | | <0.001 | | <0.001 | <0.001 | |
| 2/2/2021 | <0.001 | | | | | | |
| 2/3/2021 | | | 0.00016 (J) | <0.001 | | | |
| 2/4/2021 | | <0.001 | | | <0.001 | 0.00021 (J) | <0.001 |
| 3/10/2021 | <0.001 | | | | | | |
| 3/11/2021 | | <0.001 | | | <0.001 | 0.00019 (J) | |

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|---------|---------|---------|---------|----------|---------|
| 3/12/2021 | | | <0.001 | <0.001 | | | <0.001 |
| 8/24/2021 | <0.001 | | | | | | |
| 8/25/2021 | | | <0.001 | <0.001 | <0.001 | <0.001 | |
| 8/26/2021 | | <0.001 | | | | | <0.001 |
| 3/3/2022 | <0.001 | <0.001 | <0.001 | | <0.001 | <0.001 | <0.001 |
| 3/4/2022 | | | | <0.001 | | | |
| 8/16/2022 | <0.001 | | <0.001 | | | | |
| 8/17/2022 | | | | | | | <0.001 |
| 8/18/2022 | | | | <0.001 | <0.001 | | |
| 8/19/2022 | | <0.001 | | | | <0.001 | |
| 2/14/2023 | <0.001 | | | | | | |
| 2/15/2023 | | | | | | | <0.001 |
| 2/16/2023 | | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | |

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|-------------|---------|-------------|---------|---------|-------------|---------|
| 5/18/2016 | <0.001 | <0.001 | | | | | |
| 7/19/2016 | 8.5E-05 (J) | | | | | | |
| 7/20/2016 | | <0.001 | | | | | |
| 9/14/2016 | 0.00017 (J) | <0.001 | | | | | |
| 11/10/2016 | 0.00017 (J) | <0.001 | | | | | |
| 11/11/2016 | | | <0.001 | | | | |
| 1/20/2017 | | <0.001 | | | | | |
| 1/24/2017 | 0.00023 (J) | | | | | | |
| 2/6/2017 | | | <0.001 | | | | |
| 3/14/2017 | | <0.001 | | | | | |
| 3/15/2017 | 0.00021 (J) | | <0.001 | | | | |
| 4/11/2017 | | | <0.001 | | | | |
| 4/25/2017 | 0.00024 (J) | <0.001 | | | | | |
| 4/26/2017 | | | <0.001 | | | | |
| 6/7/2017 | | | <0.001 | | | | |
| 7/11/2017 | | | <0.001 | | | | |
| 8/9/2017 | 0.0002 (J) | <0.001 | | | | | |
| 8/10/2017 | | | <0.001 | | | | |
| 3/29/2018 | 0.00019 (J) | | <0.001 | | | | |
| 3/30/2018 | | <0.001 | | | | | |
| 6/14/2018 | 0.00017 (J) | <0.001 | <0.001 | | | | |
| 10/4/2018 | 0.00015 (J) | <0.001 | <0.001 | | | | |
| 2/26/2019 | | <0.001 | | | | | |
| 2/27/2019 | 0.00015 (J) | | | | | | |
| 2/28/2019 | | | <0.001 | | | | |
| 4/2/2019 | | | <0.001 | | | | |
| 4/4/2019 | 9.5E-05 (J) | <0.001 | | | | | |
| 9/18/2019 | <0.001 | <0.001 | <0.001 | | | | |
| 2/7/2020 | <0.001 | <0.001 | <0.001 | | | | |
| 3/18/2020 | <0.001 | <0.001 | | | | | |
| 5/4/2020 | | | <0.001 | | | | |
| 9/23/2020 | <0.001 | <0.001 | <0.001 | | | | |
| 2/3/2021 | | | 0.00018 (J) | | | | |
| 2/4/2021 | <0.001 | <0.001 | | | | | |
| 3/11/2021 | <0.001 | <0.001 | <0.001 | | | | |
| 8/25/2021 | <0.001 | <0.001 | | | | | |
| 8/26/2021 | | | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| 1/11/2022 | | | | | <0.001 | <0.001 | <0.001 |
| 1/12/2022 | | | | <0.001 | | | |
| 3/3/2022 | <0.001 | | <0.001 | | <0.001 | | |
| 3/4/2022 | | <0.001 | | <0.001 | | 0.00047 (J) | <0.001 |
| 6/6/2022 | | | | | <0.001 | | <0.001 |
| 6/7/2022 | | | | <0.001 | | <0.001 | |
| 8/16/2022 | | <0.001 | | | <0.001 | | |
| 8/17/2022 | <0.001 | | <0.001 | | | | <0.001 |
| 8/18/2022 | | | | <0.001 | | | |
| 8/19/2022 | | | | | | <0.001 | |
| 2/15/2023 | <0.001 | | | | | <0.001 | <0.001 |
| 2/16/2023 | | <0.001 | <0.001 | <0.001 | <0.001 | | |

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|-------------|---------|--------|--------|---------|----------|
| 5/19/2016 | | | <0.001 | <0.001 | | |
| 7/20/2016 | | | <0.001 | <0.001 | | |
| 9/14/2016 | | | | <0.001 | | |
| 9/15/2016 | | | <0.001 | | | |
| 11/14/2016 | | | <0.001 | | | |
| 2/6/2017 | | | <0.001 | | | |
| 2/9/2017 | | | | <0.001 | | |
| 3/15/2017 | | | <0.001 | <0.001 | | |
| 4/11/2017 | | | | <0.001 | | |
| 4/26/2017 | | | <0.001 | <0.001 | | |
| 8/10/2017 | | | <0.001 | <0.001 | | |
| 3/29/2018 | | | <0.001 | <0.001 | | |
| 6/14/2018 | | | <0.001 | <0.001 | | |
| 10/4/2018 | | | <0.001 | <0.001 | | |
| 2/27/2019 | | | <0.001 | | | |
| 2/28/2019 | | | | <0.001 | | |
| 4/3/2019 | | | <0.001 | <0.001 | | |
| 9/19/2019 | | | <0.001 | <0.001 | | |
| 2/5/2020 | | | | <0.001 | | |
| 2/7/2020 | | | <0.001 | | | |
| 3/19/2020 | | | <0.001 | <0.001 | | |
| 9/22/2020 | | | <0.001 | | | |
| 9/23/2020 | | | | <0.001 | | |
| 2/3/2021 | | | <0.001 | | | |
| 2/4/2021 | | | | <0.001 | | |
| 3/11/2021 | | | <0.001 | | | |
| 3/12/2021 | | | | <0.001 | | |
| 8/26/2021 | 0.00072 (J) | <0.001 | <0.001 | <0.001 | | |
| 1/11/2022 | 0.00062 (J) | <0.001 | | | | |
| 3/3/2022 | 0.0006 (J) | | <0.001 | <0.001 | | |
| 3/4/2022 | | <0.001 | | | | |
| 6/6/2022 | 0.00052 (J) | | | | | |
| 6/7/2022 | | <0.001 | | | | |
| 8/16/2022 | | | <0.001 | | | |
| 8/17/2022 | | <0.001 | | <0.001 | | |
| 8/18/2022 | 0.0003 (J) | | | | | |
| 10/19/2022 | | | | | <0.001 | <0.001 |
| 2/15/2023 | 0.00045 (J) | <0.001 | | <0.001 | | |
| 2/16/2023 | | | <0.001 | | <0.001 | <0.001 |

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-18 (bg) | WGWA-2 (bg) | WGWA-3 (bg) | WGWA-4 (bg) | WGWA-5 (bg) | WGWA-6 (bg) |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 5/17/2016 | <10 | 112 | 100 | | | | |
| 5/18/2016 | | | | 29 | 101 | 33 | 113 |
| 7/19/2016 | 14 | 80 | 84 | | | <5 | 92 |
| 7/20/2016 | | | | <5 | 86 | | |
| 9/13/2016 | 50 | 120 | 70 | 12 | 28 | | 100 |
| 9/14/2016 | | | | | | 150 | |
| 11/9/2016 | 22 | 76 | 110 | | | | 130 |
| 11/10/2016 | | | | 30 | 110 | | |
| 1/17/2017 | 8 | | 120 | | | | |
| 1/18/2017 | | | | 22 | 98 | | 120 |
| 1/19/2017 | | 36 | | | | 34 | |
| 3/13/2017 | <10 | | 58 | | | | |
| 3/14/2017 | | 70 | | 22 | 110 | 32 | 110 |
| 4/24/2017 | 10 | | 94 | | | | |
| 4/25/2017 | | 70 | | 22 | 86 | 22 | 100 |
| 8/8/2017 | <10 | 72 | 62 | 4 (J) | | | 90 |
| 8/9/2017 | | | | | 92 | 20 | |
| 10/10/2017 | 44 | | 140 | | | | |
| 10/11/2017 | | 90 | | 10 | 110 | 4 (J) | 98 |
| 6/13/2018 | 24 | 38 | | | | <5 | 110 |
| 6/14/2018 | | | 80 | 26 | 92 | | |
| 9/24/2018 | | | 76 | | | | |
| 9/27/2018 | 28 | | | | | | |
| 9/28/2018 | | 68 | | | | | |
| 10/2/2018 | | | | | | | 130 |
| 10/3/2018 | | | | 50 | 100 | 24 | |
| 4/1/2019 | <10 | | 63 | | | | |
| 4/2/2019 | | 100 | | 28 | 100 | 25 | 110 |
| 9/16/2019 | 27 | | | | | 41 | 110 |
| 9/17/2019 | | 76 | 120 | | 120 | | |
| 9/18/2019 | | | | 36 | | | |
| 3/16/2020 | 23 | | 90 | | | | |
| 3/17/2020 | | 81 | | 20 | 100 | 18 | 120 |
| 9/21/2020 | | | 100 | 22 | 92 | | |
| 9/22/2020 | 24 | 96 | | | | 190 | 130 |
| 3/10/2021 | | 72 | 100 | 20 | 100 | 19 | |
| 3/11/2021 | 24 | | | | | | 110 |
| 8/23/2021 | | | 110 | | | | |
| 8/24/2021 | 32 | | | | 110 | 150 | 120 |
| 8/25/2021 | | 92 | | 21 | | | |
| 2/28/2022 | | | | | 95 | | |
| 3/1/2022 | 30 | | 92 | 31 | | 23 | 140 |
| 3/3/2022 | | 43 | | | | | |
| 8/15/2022 | 45 | | 100 | | | 140 | 120 |
| 8/16/2022 | | 60 | | 30 | 110 | | |
| 2/14/2023 | 34 | 42 | 100 | 27 | | 24 | 120 |
| 2/15/2023 | | | | | 100 | | |

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|---------|---------|---------|---------|----------|---------|
| 5/18/2016 | 31 | 70 | | | | | 190 |
| 5/19/2016 | | | 39 | 101 | 127 | | |
| 7/19/2016 | <5 | | | | | | 180 |
| 7/20/2016 | | 42 | <10 | 76 | 88 | | |
| 9/13/2016 | <5 | | | | | | |
| 9/14/2016 | | 40 | 24 | 96 | 92 | | 230 |
| 11/10/2016 | 44 | | | | 100 | | 210 |
| 11/11/2016 | | 72 | 42 | 100 | | | |
| 1/18/2017 | 50 | | | | | | |
| 1/24/2017 | | | | | | | 140 |
| 1/27/2017 | | | 18 | 50 | 80 | | |
| 2/6/2017 | | 24 | | | | | |
| 2/8/2017 | | | | | | 54 | |
| 2/23/2017 | | | | | | 78 | |
| 3/14/2017 | 26 | | | | | | 220 |
| 3/15/2017 | | 78 | 54 | 120 | 100 | | |
| 3/17/2017 | | | | | | 56 | |
| 4/11/2017 | | | | | | 76 | |
| 4/25/2017 | 10 | | | | | | 180 |
| 4/26/2017 | | 48 | 42 | 100 | 92 | 76 | |
| 5/17/2017 | | | | | | 68 | |
| 6/7/2017 | | | | | | 72 | |
| 7/11/2017 | | | | | | 68 | |
| 8/8/2017 | <5 | | | | | | |
| 8/9/2017 | | | | | 120 | | 180 |
| 8/10/2017 | | 38 | 30 | 96 | | | |
| 10/11/2017 | 42 | | | | | 68 | 200 |
| 10/12/2017 | | 72 | 54 | 100 | 110 | | |
| 6/14/2018 | 14 | 40 | 16 | 94 | 88 | 52 | 170 |
| 10/3/2018 | 6 | | | | | | 260 |
| 10/4/2018 | | 60 | 56 | 110 | 100 | 130 | |
| 4/2/2019 | 15 | | | | | | |
| 4/3/2019 | | | <10 | 66 | 72 | 31 | |
| 4/4/2019 | | 30 | | | | | 170 |
| 9/18/2019 | 35 | | | | 110 | 33 | 160 |
| 9/19/2019 | | 52 | 27 | 89 | | | |
| 3/17/2020 | 19 | | | | | | |
| 3/18/2020 | | 58 | 26 | 73 | | | 160 |
| 3/19/2020 | | | | | 95 | 18 | |
| 9/22/2020 | 15 | | | | | | |
| 9/23/2020 | | 50 | | 90 | | | 150 |
| 9/24/2020 | | | 60 | | 21 | 24 | |
| 3/10/2021 | 20 | | | | | | |
| 3/11/2021 | | 52 | | | 63 | 24 | |
| 3/12/2021 | | | 27 | 78 | | | 130 |
| 8/24/2021 | 24 | | | | | | |
| 8/25/2021 | | | 32 | 110 | 53 | 30 | |
| 8/26/2021 | | 60 | | | | | 150 |
| 3/3/2022 | 17 | 45 | 21 | | 71 | 17 | 140 |
| 3/4/2022 | | | | 89 | | | |
| 8/16/2022 | 22 | | 33 | | | | |
| 8/17/2022 | | | | | | | 140 |

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-7 (bg) | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|-----------|-------------|---------|---------|---------|---------|----------|---------|
| 8/18/2022 | | | | 88 | 89 | | |
| 8/19/2022 | | 63 | | | | 26 | |
| 2/14/2023 | 24 | | | | | | |
| 2/15/2023 | | | | | | | 130 |
| 2/16/2023 | | 54 | 33 | 89 | 81 | 27 | |

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|---------|---------|---------|---------|---------|---------|---------|
| 5/18/2016 | 1080 | 107 | | | | | |
| 7/19/2016 | 1200 | | | | | | |
| 7/20/2016 | | 78 | | | | | |
| 9/14/2016 | 1300 | 82 | | | | | |
| 11/10/2016 | 1400 | 98 | | | | | |
| 11/11/2016 | | | 98 | | | | |
| 1/20/2017 | | 82 | | | | | |
| 1/24/2017 | 1300 | | | | | | |
| 2/6/2017 | | | 36 | | | | |
| 3/14/2017 | | 120 | | | | | |
| 3/15/2017 | 1500 | | 120 | | | | |
| 4/11/2017 | | | 68 | | | | |
| 4/25/2017 | 1700 | 120 | | | | | |
| 4/26/2017 | | | 76 | | | | |
| 6/7/2017 | | | 74 | | | | |
| 7/11/2017 | | | 70 | | | | |
| 8/9/2017 | 1900 | 92 | | | | | |
| 8/10/2017 | | | 66 | | | | |
| 10/11/2017 | 1900 | 74 | | | | | |
| 10/12/2017 | | | 100 | | | | |
| 6/14/2018 | 1500 | 100 | 74 | | | | |
| 10/4/2018 | 1700 | 98 | 100 | | | | |
| 4/2/2019 | | | 88 | | | | |
| 4/4/2019 | 710 | 89 | | | | | |
| 9/18/2019 | 520 | 79 | 96 | | | | |
| 3/18/2020 | 370 | 98 | | | | | |
| 5/4/2020 | | | 110 | | | | |
| 9/23/2020 | 250 | 60 | 94 | | | | |
| 3/8/2021 | | | | 590 | | | |
| 3/9/2021 | | | | | 610 | 200 | 79 |
| 3/11/2021 | 190 | 75 | 100 | | | | |
| 4/7/2021 | | | | | 520 | | 66 |
| 4/8/2021 | | | | 540 | | 170 | |
| 8/25/2021 | 220 | 84 | | | | | |
| 8/26/2021 | | | 94 | 720 | 480 | 240 | 88 |
| 1/11/2022 | | | | | 580 | 270 | 67 |
| 1/12/2022 | | | | 1200 | | | |
| 3/3/2022 | 170 | | 98 | | 580 | | |
| 3/4/2022 | | 55 | | 1100 | | 260 | 69 |
| 6/6/2022 | | | | | 670 | | 90 |
| 6/7/2022 | | | | 920 | | 210 | |
| 8/16/2022 | | 81 | | | 530 | | |
| 8/17/2022 | 170 | | 93 | | | | 85 |
| 8/18/2022 | | | | 760 | | | |
| 8/19/2022 | | | | | | 190 | |
| 2/15/2023 | 160 | | | | | 210 | 71 |
| 2/16/2023 | | 77 | 100 | 960 | 630 | | |

Time Series

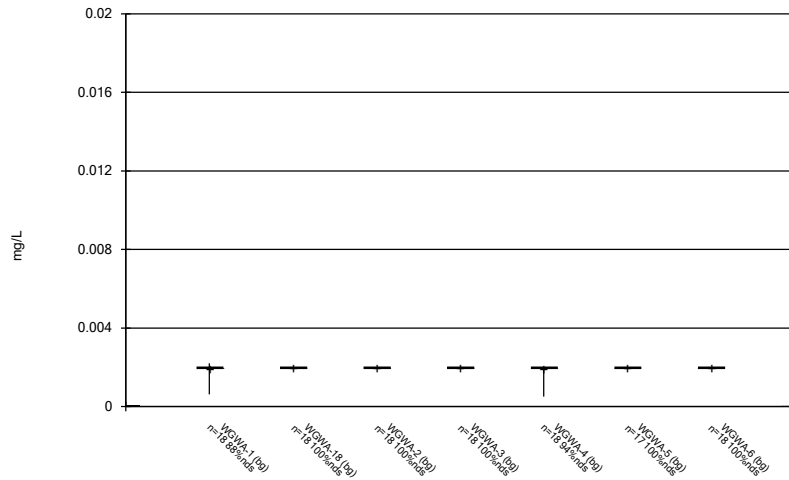
Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 | WGWC-27 | WGWC-26D |
|------------|---------|---------|--------|--------|---------|----------|
| 5/19/2016 | | | 311 | 134 | | |
| 7/20/2016 | | | 290 | 120 | | |
| 9/14/2016 | | | | 140 | | |
| 9/15/2016 | | | 270 | | | |
| 11/14/2016 | | | 320 | | | |
| 2/6/2017 | | | 330 | | | |
| 2/9/2017 | | | | 180 | | |
| 3/15/2017 | | | 370 | 160 | | |
| 4/11/2017 | | | | 120 | | |
| 4/26/2017 | | | 380 | 140 | | |
| 8/10/2017 | | | 380 | 130 | | |
| 10/12/2017 | | | 450 | 120 | | |
| 6/14/2018 | | | 410 | 120 | | |
| 10/4/2018 | | | 520 | 140 | | |
| 4/3/2019 | | | 430 | 120 | | |
| 9/19/2019 | | | 440 | 130 | | |
| 3/19/2020 | | | 540 | 160 | | |
| 9/22/2020 | | | 600 | | | |
| 9/23/2020 | | | | 150 | | |
| 3/8/2021 | | 220 | | | | |
| 3/9/2021 | 370 | | | | | |
| 3/11/2021 | | | 530 | | | |
| 3/12/2021 | | | | 130 | | |
| 4/7/2021 | 510 | | | | | |
| 4/8/2021 | | 180 | | | | |
| 8/26/2021 | 420 | 200 | 550 | 170 | | |
| 1/11/2022 | 320 | 220 | | | | |
| 3/3/2022 | 280 | | 530 | 140 | | |
| 3/4/2022 | | 200 | | | | |
| 6/6/2022 | 210 | | | | | |
| 6/7/2022 | | 240 | | | | |
| 8/16/2022 | | | 580 | | | |
| 8/17/2022 | | 210 | | 150 | | |
| 8/18/2022 | 140 | | | | | |
| 10/19/2022 | | | | | 92 | 840 |
| 2/15/2023 | 230 | 200 | | 160 | | |
| 2/16/2023 | | | 590 | | 160 | 1100 |

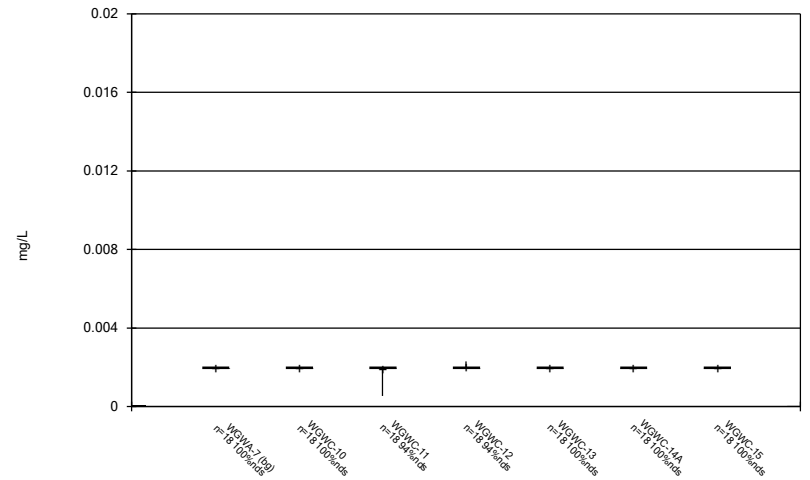
FIGURE B.

Box & Whiskers Plot



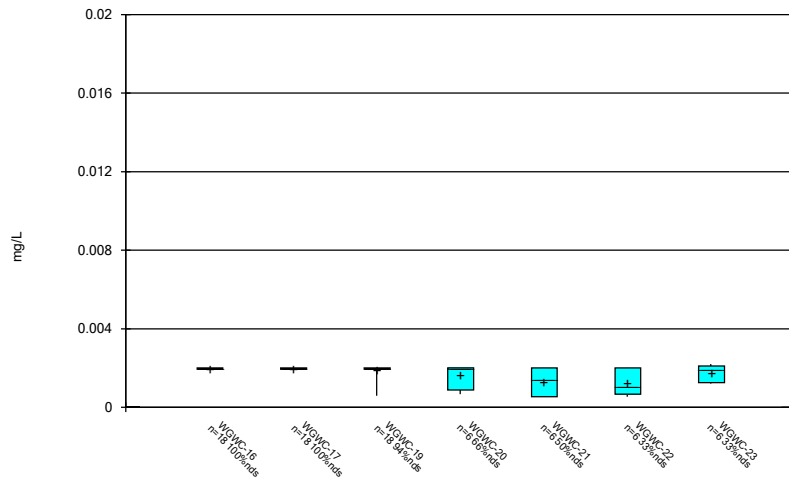
Constituent: Antimony Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



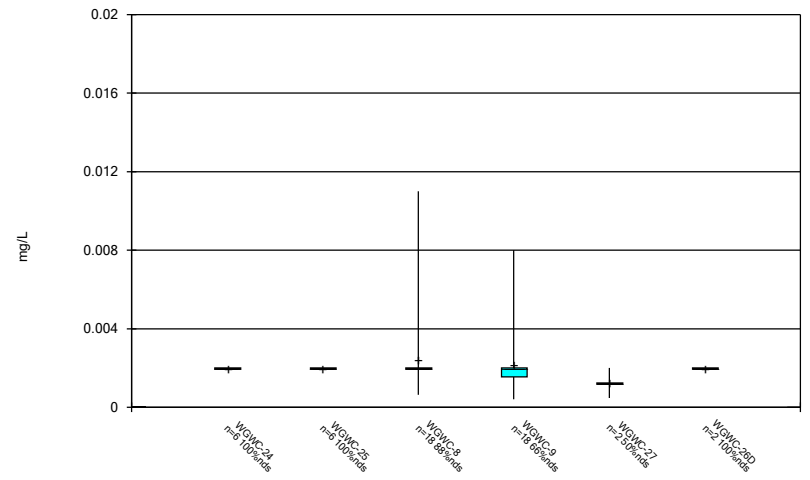
Constituent: Antimony Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



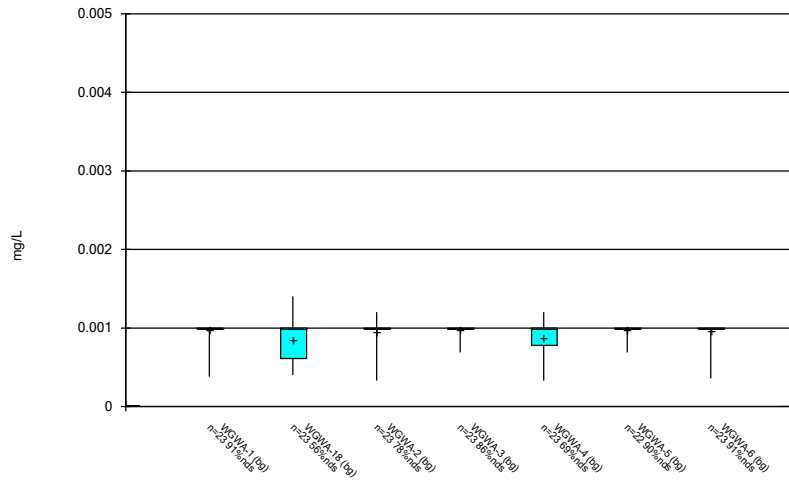
Constituent: Antimony Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



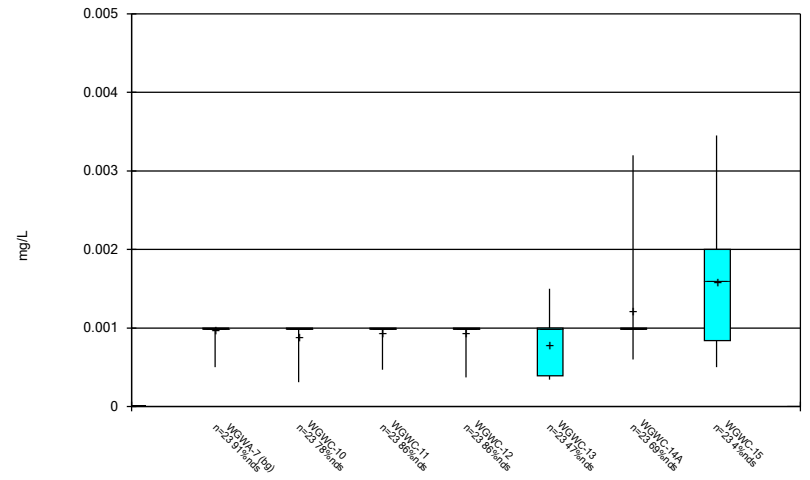
Constituent: Antimony Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



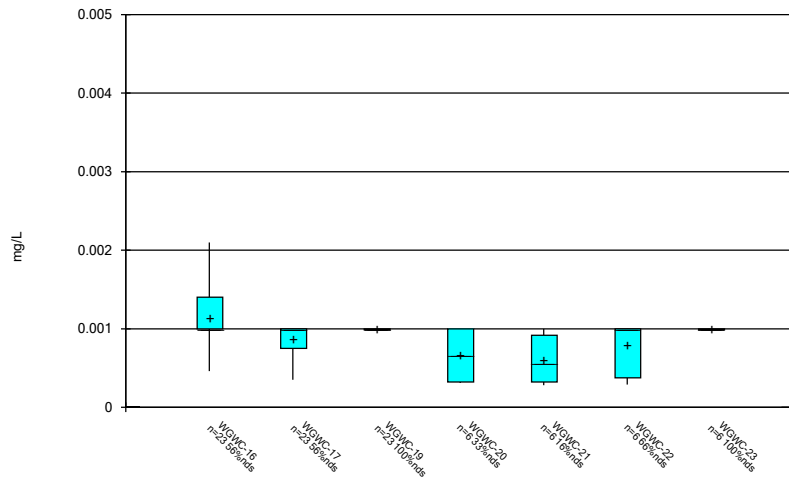
Constituent: Arsenic Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



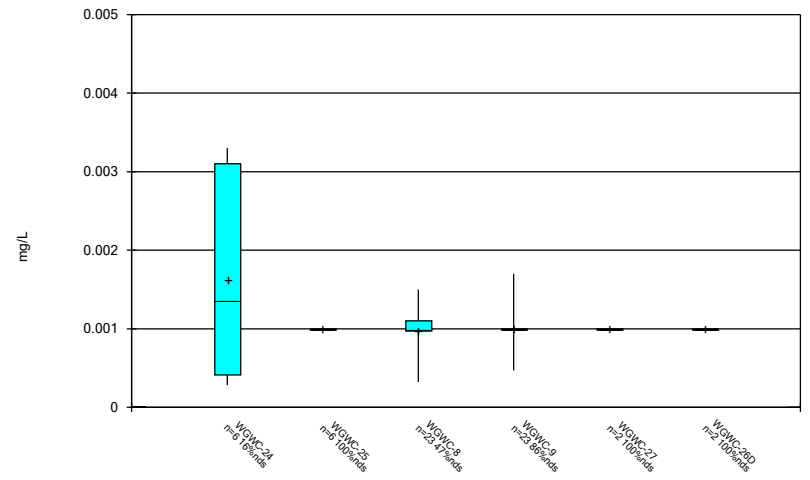
Constituent: Arsenic Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



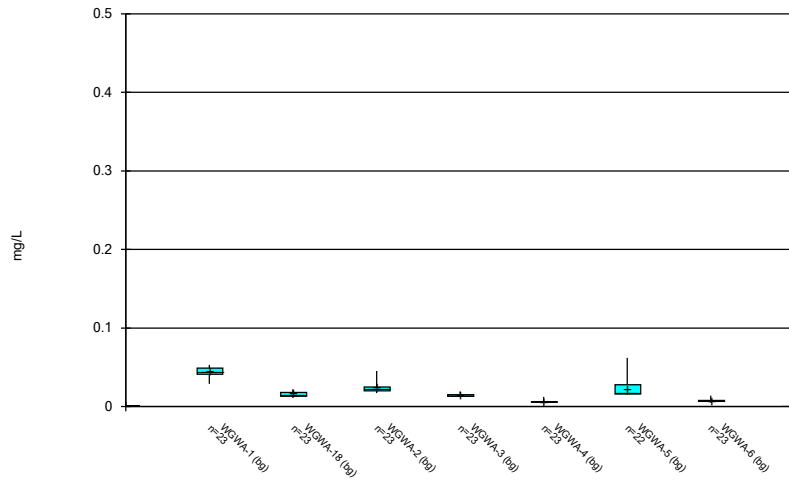
Constituent: Arsenic Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



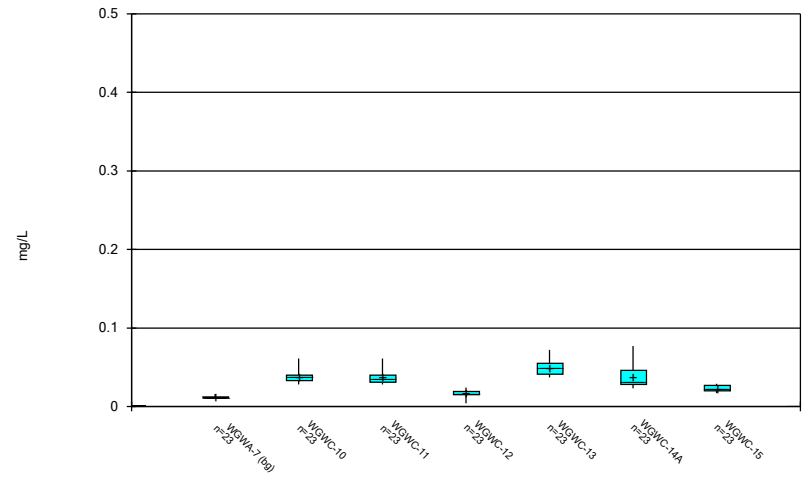
Constituent: Arsenic Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



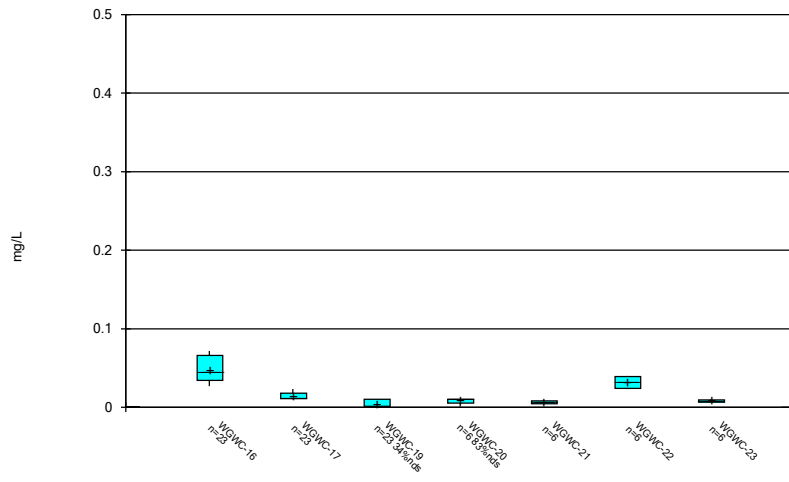
Constituent: Barium Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



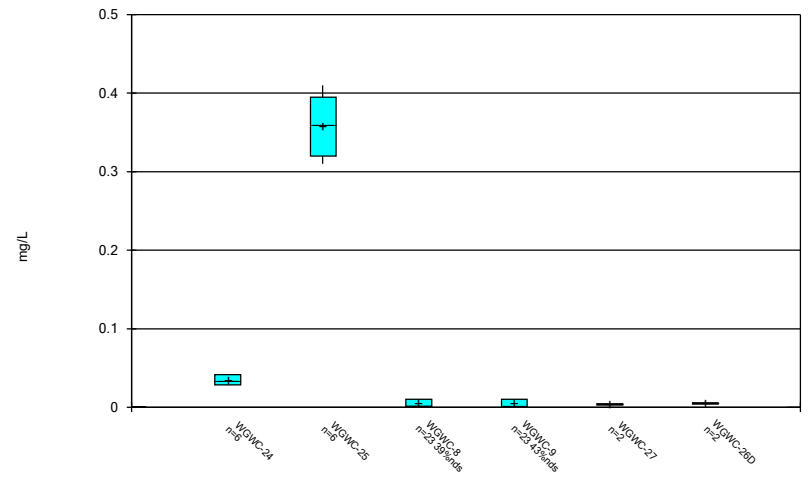
Constituent: Barium Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



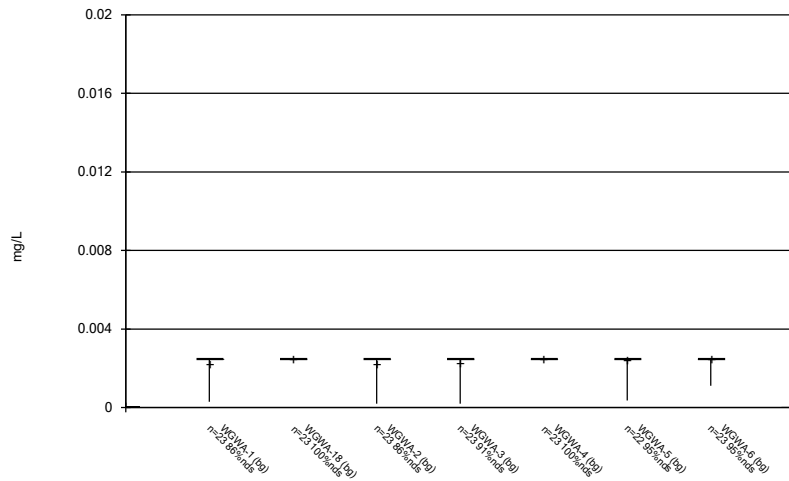
Constituent: Barium Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



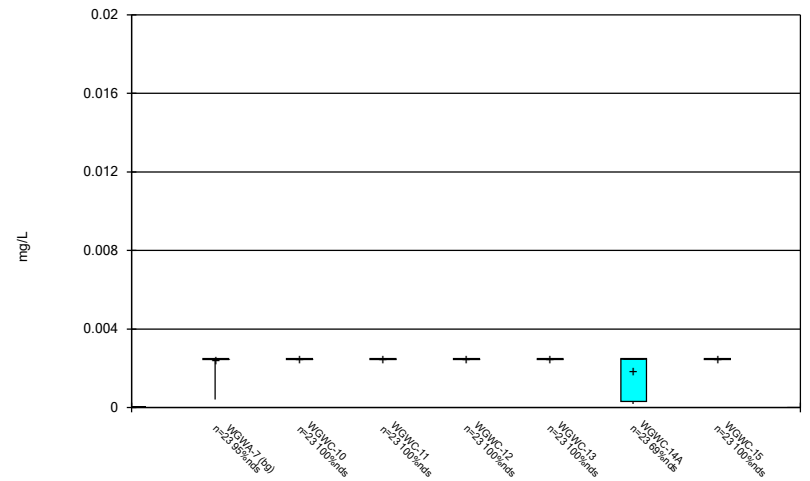
Constituent: Barium Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



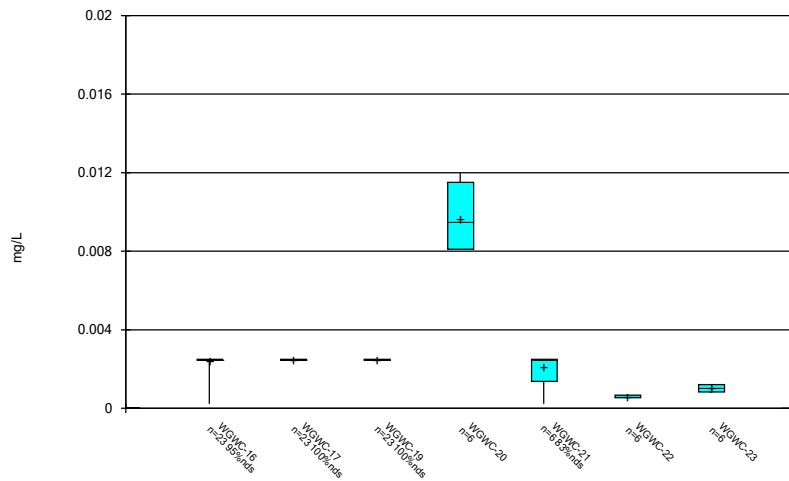
Constituent: Beryllium Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



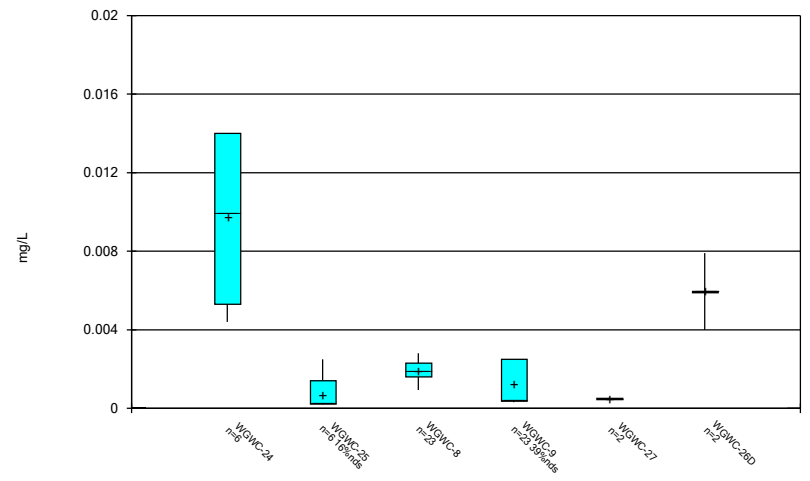
Constituent: Beryllium Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



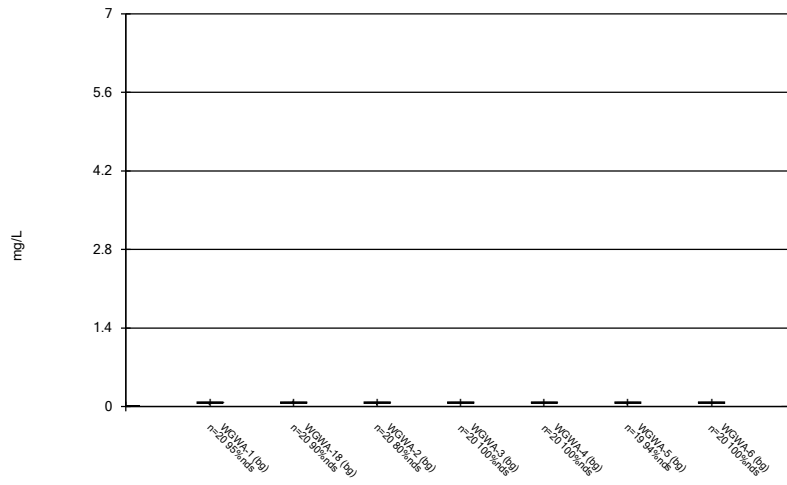
Constituent: Beryllium Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



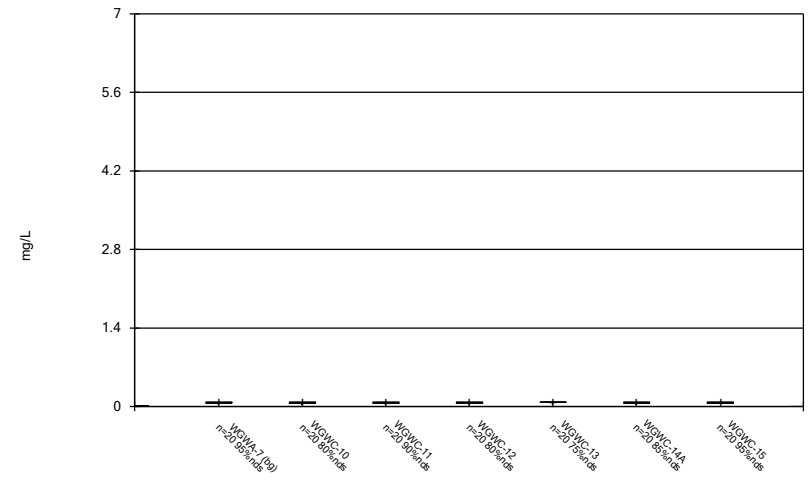
Constituent: Beryllium Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



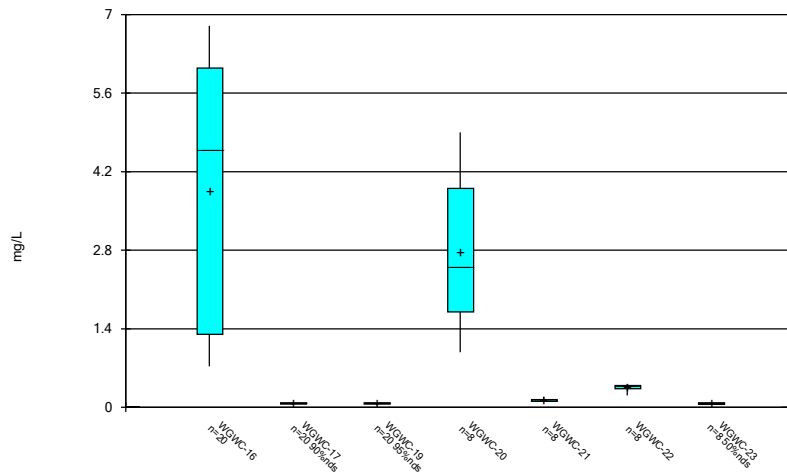
Constituent: Boron, total Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



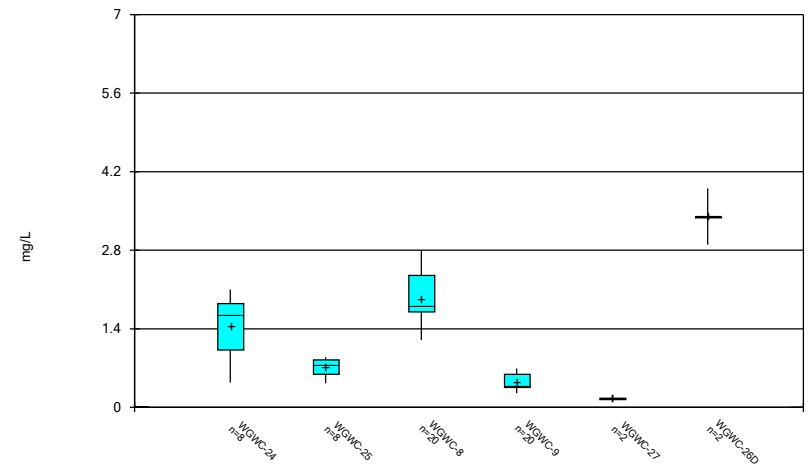
Constituent: Boron, total Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



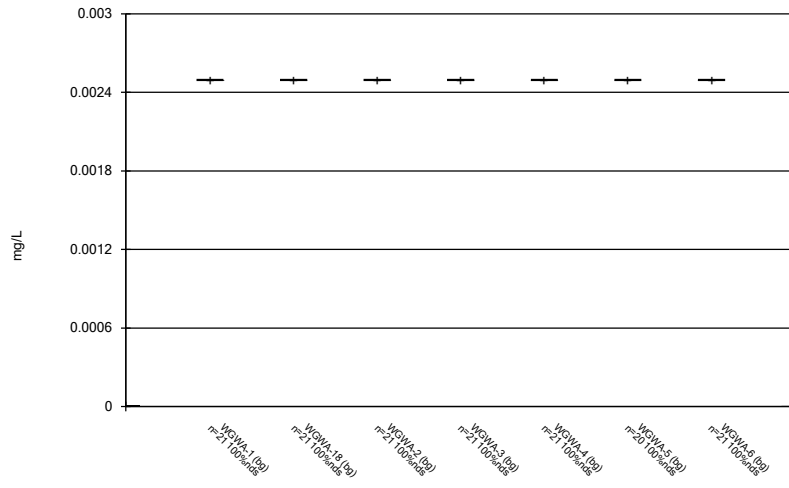
Constituent: Boron, total Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



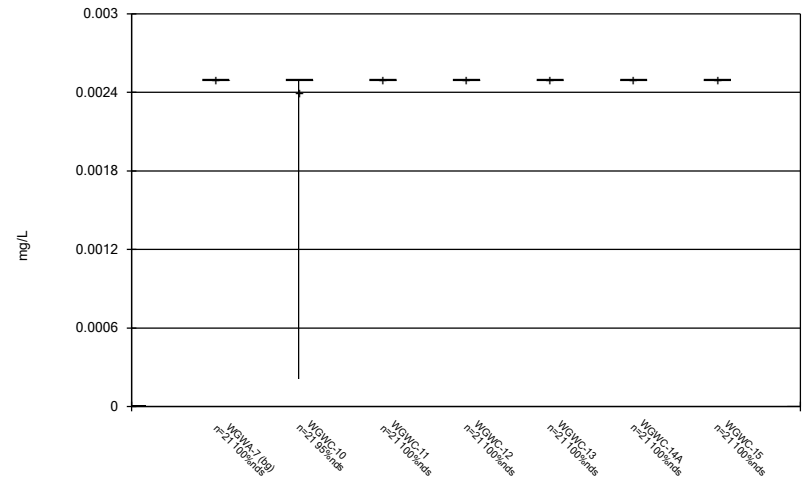
Constituent: Boron, total Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



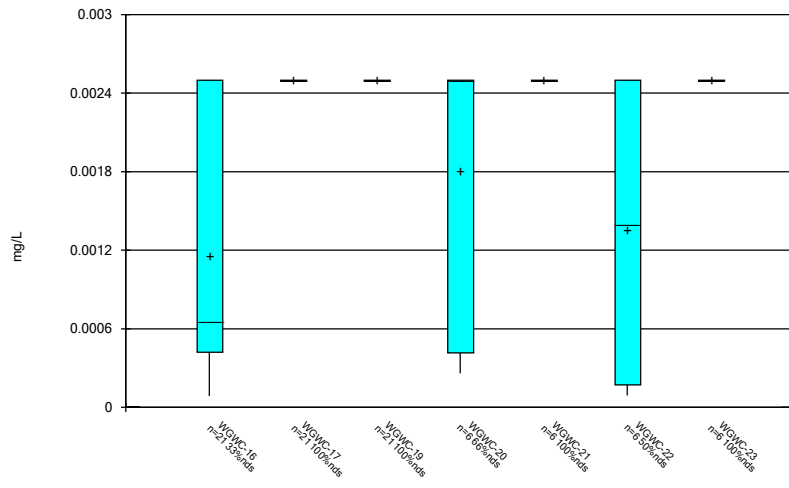
Constituent: Cadmium Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



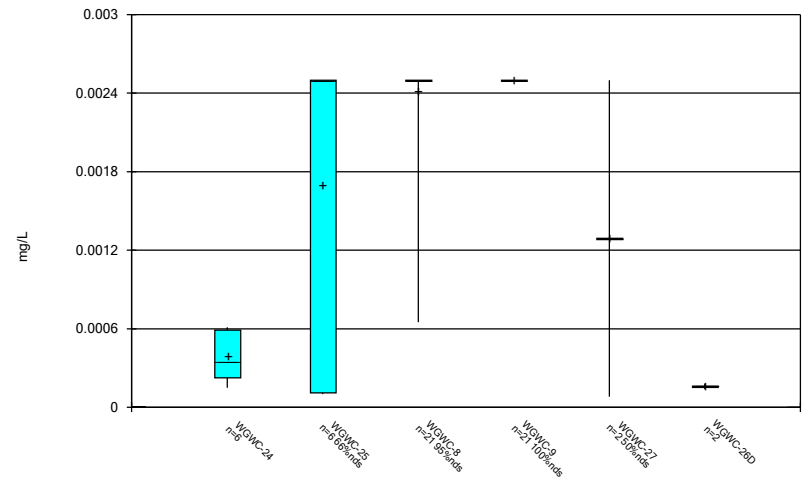
Constituent: Cadmium Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



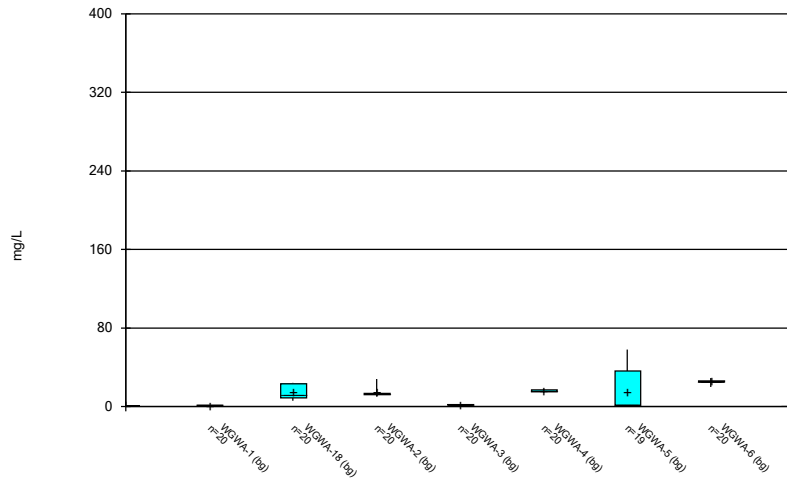
Constituent: Cadmium Analysis Run 4/24/2023 11:58 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



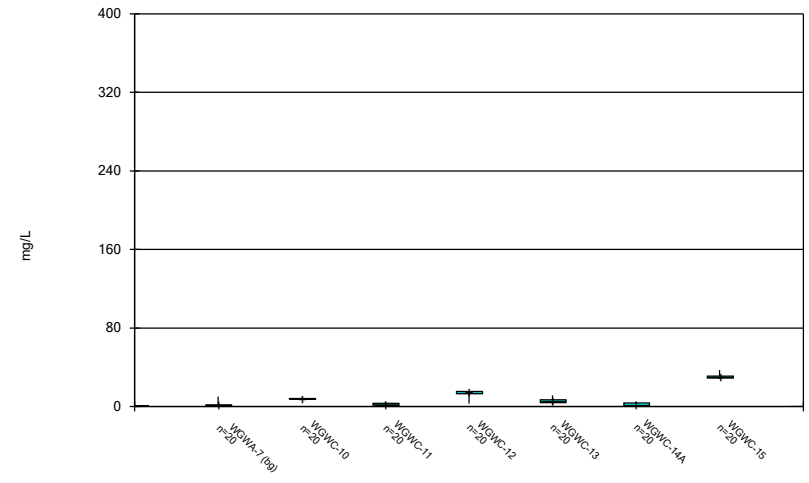
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



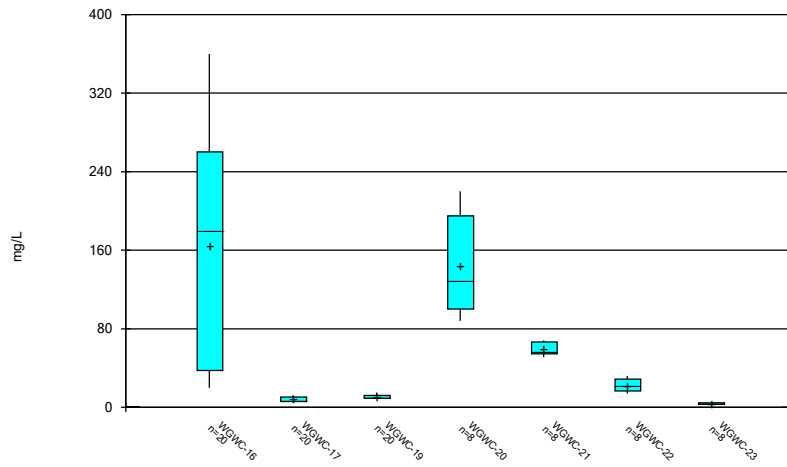
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



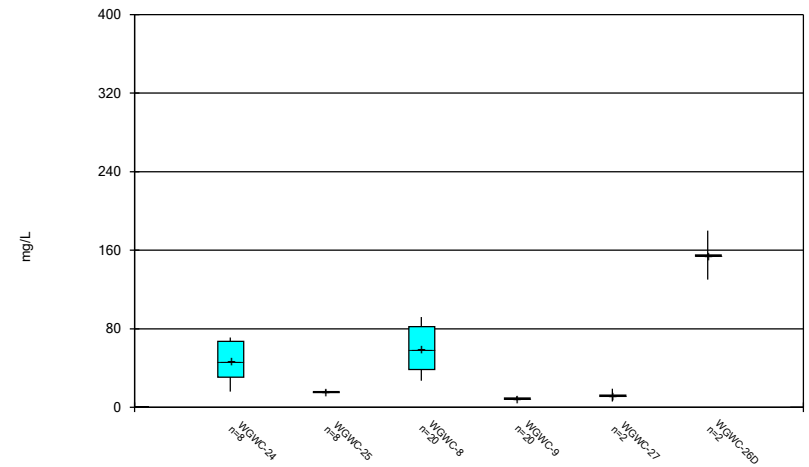
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



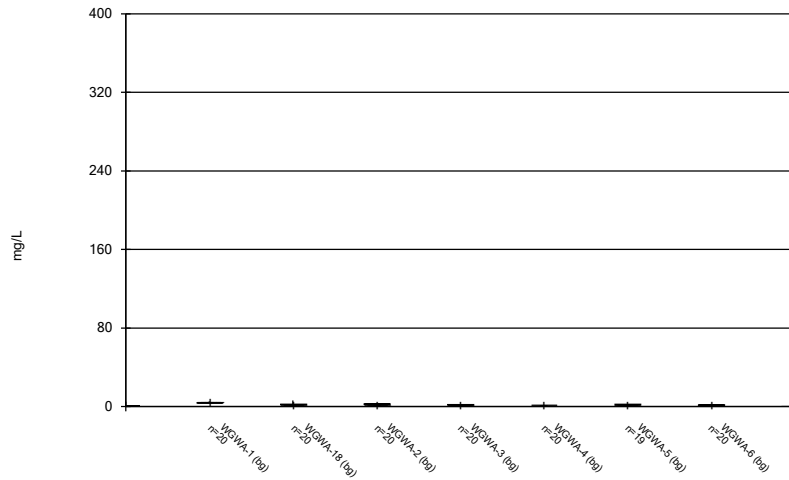
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



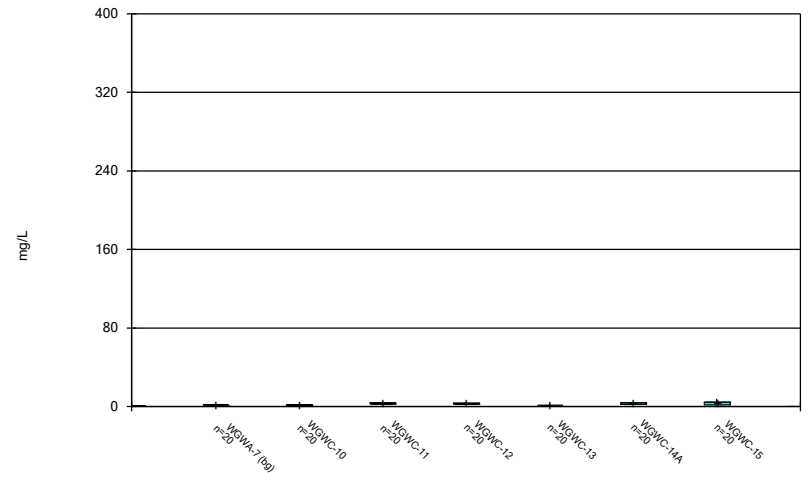
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



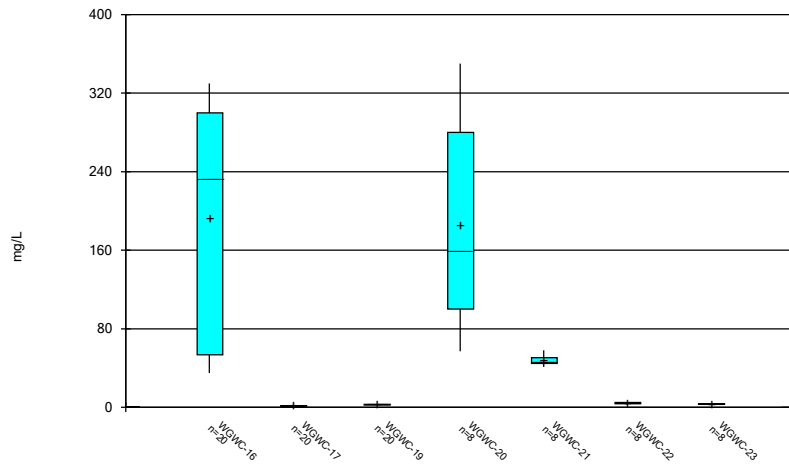
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



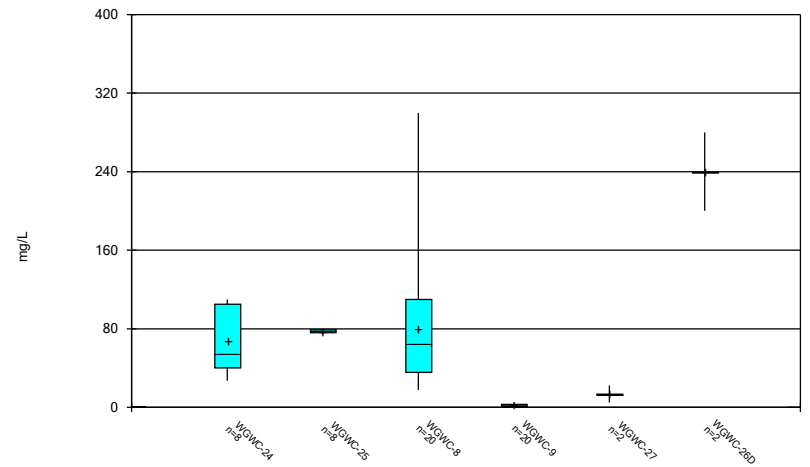
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



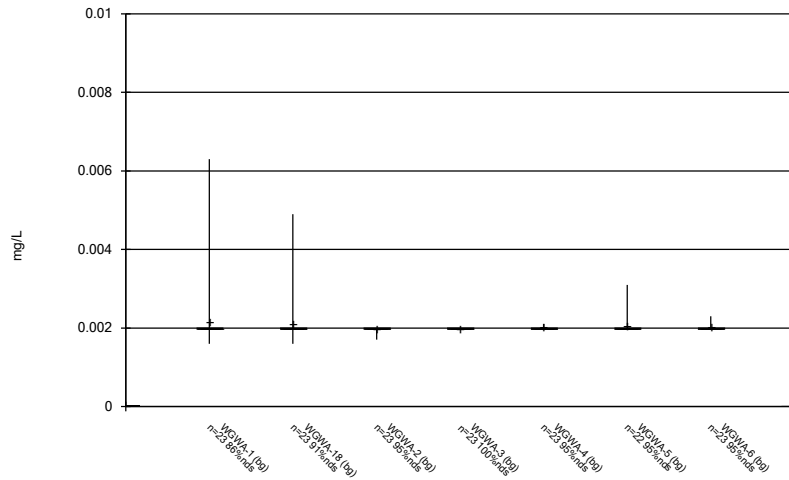
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



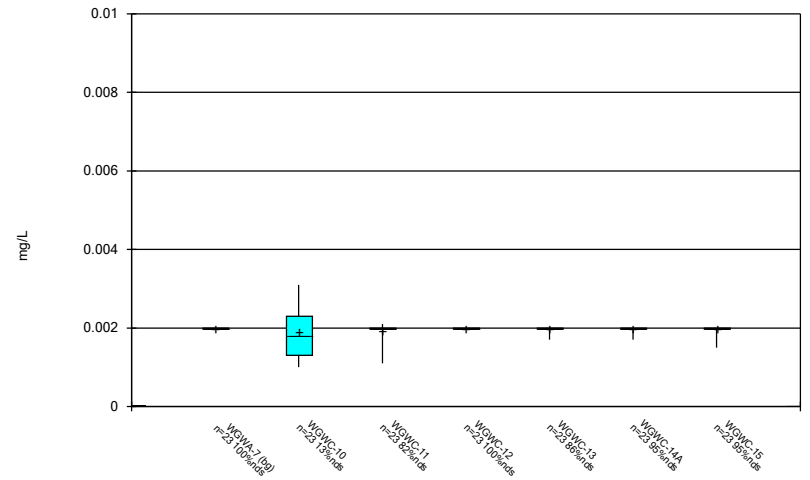
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Box & Whiskers Plot



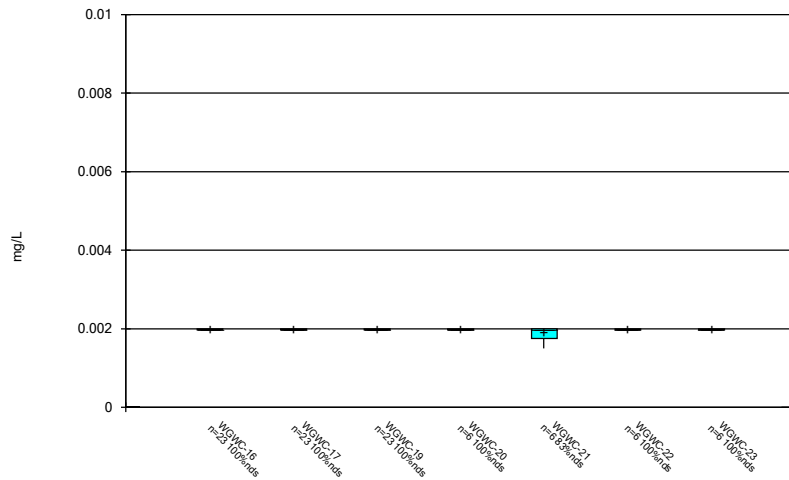
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Box & Whiskers Plot



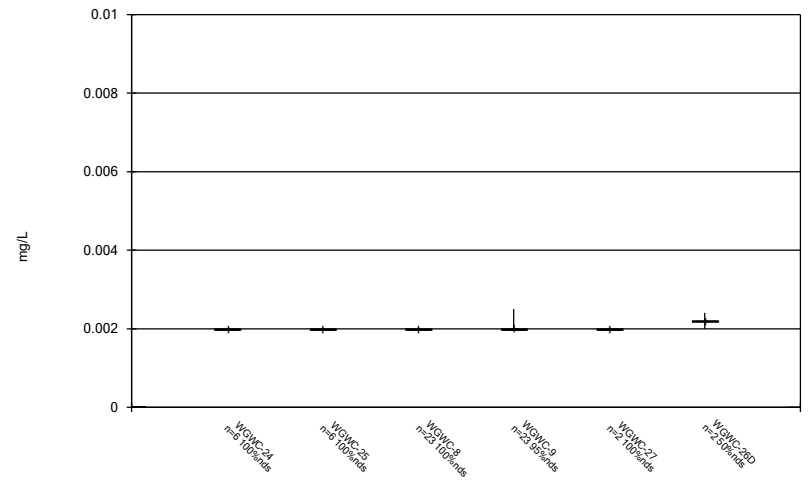
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Box & Whiskers Plot



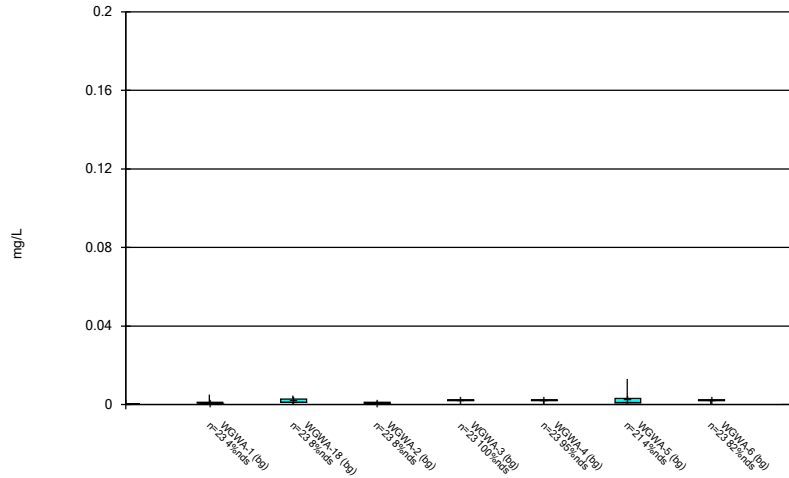
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



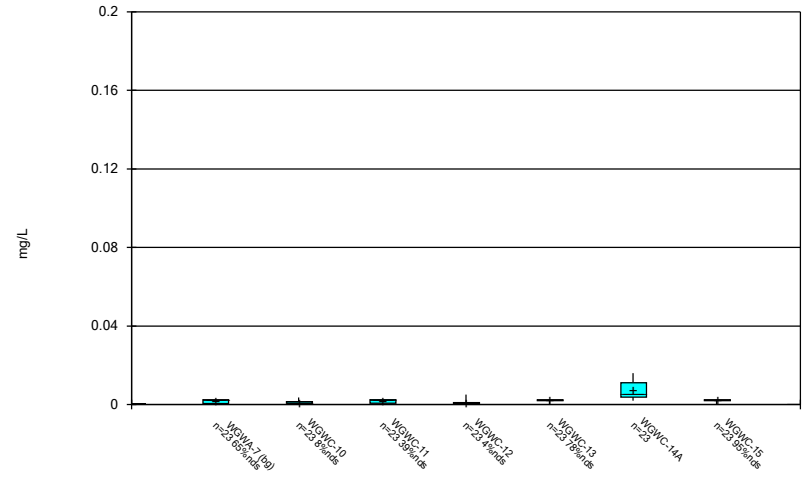
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



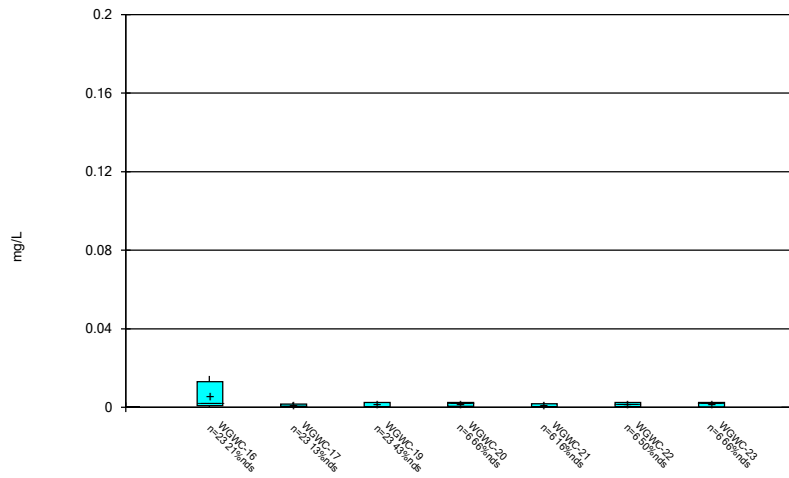
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Box & Whiskers Plot



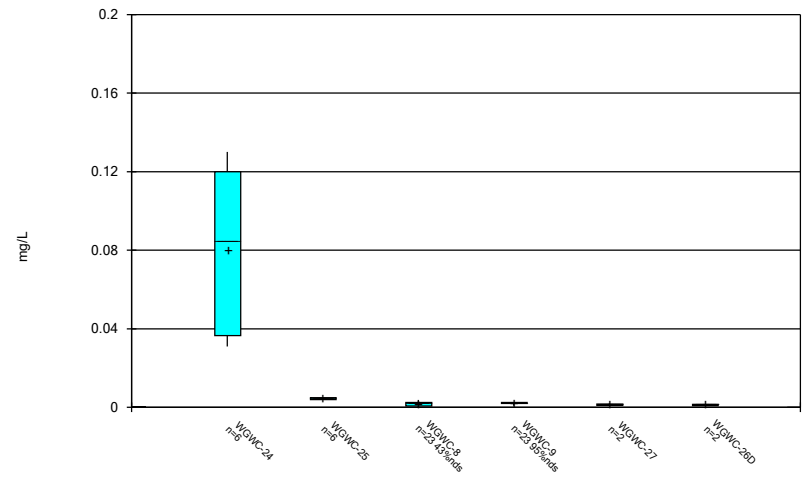
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Box & Whiskers Plot



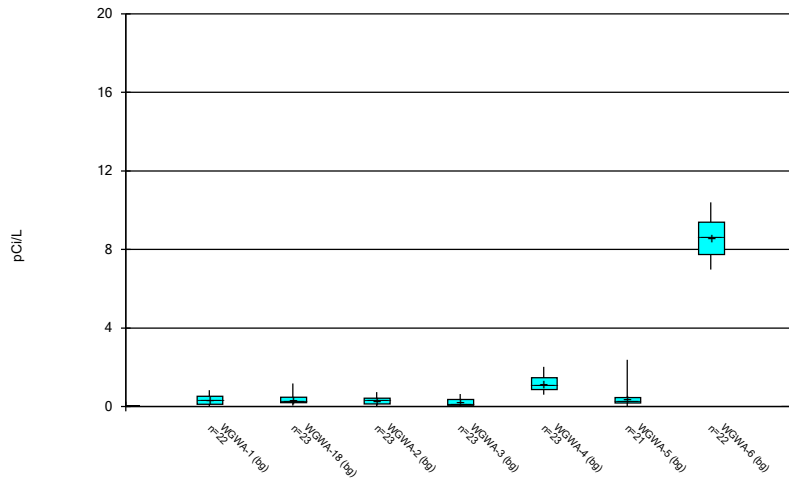
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



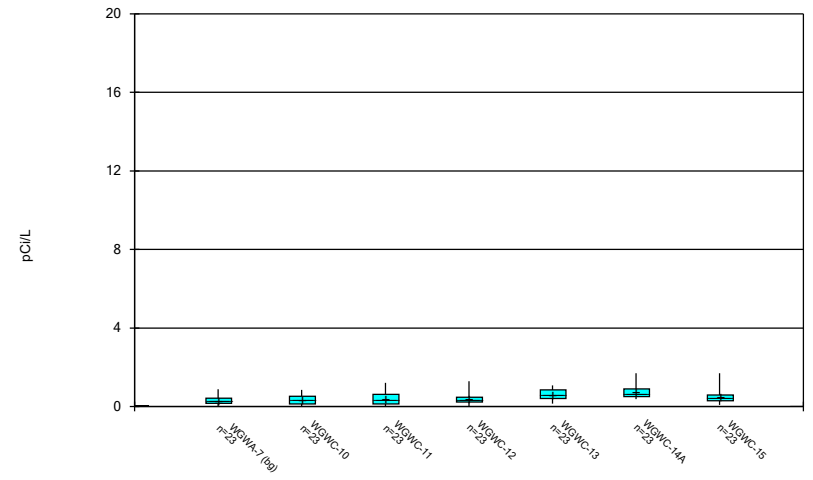
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



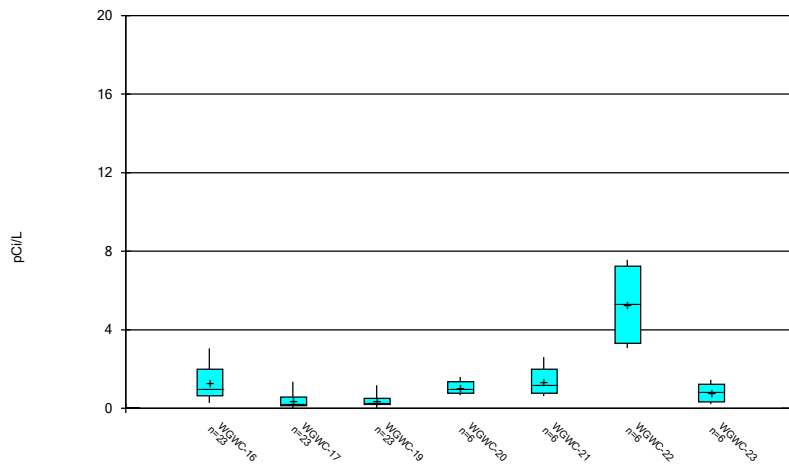
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



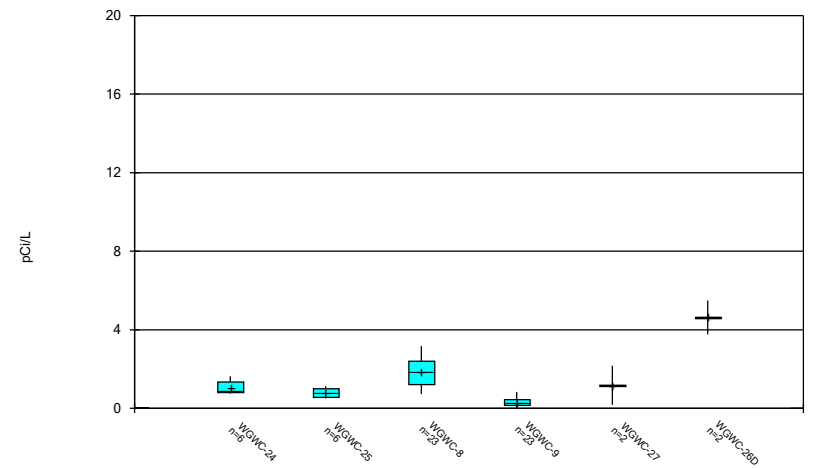
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



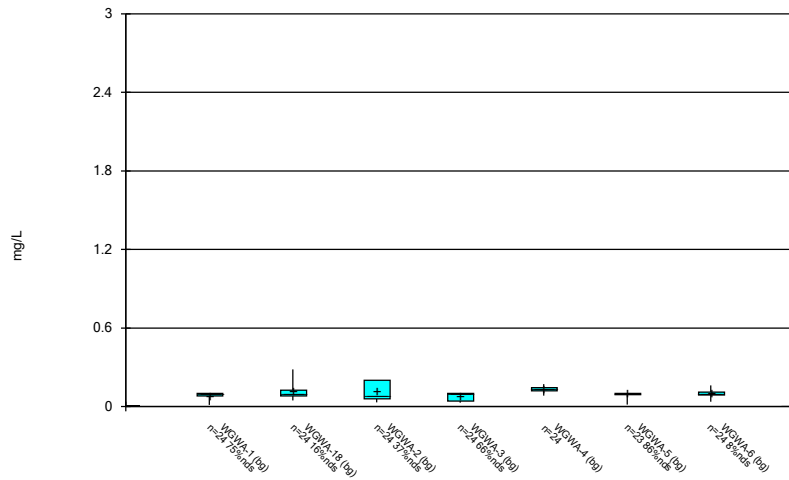
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



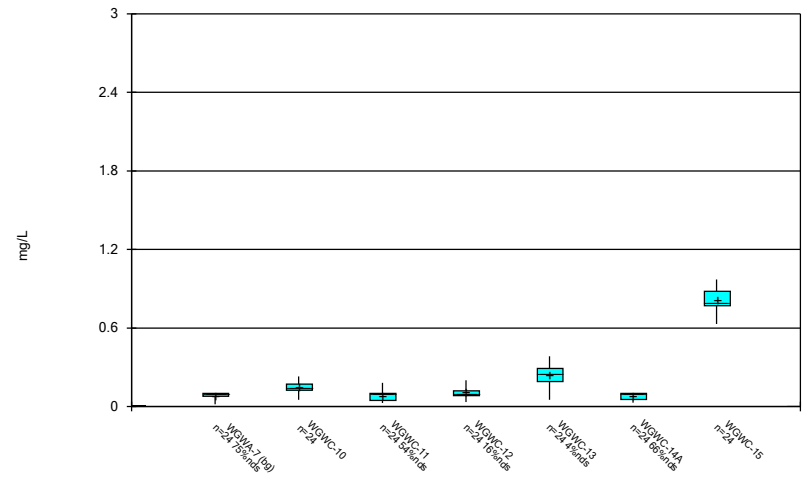
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Box & Whiskers Plot



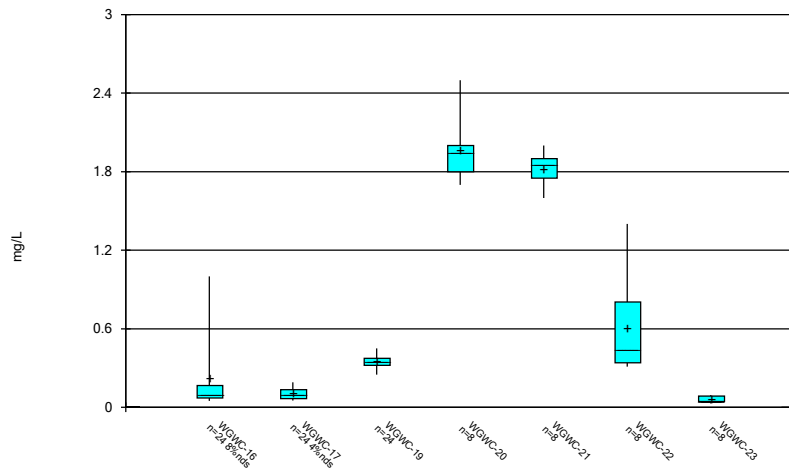
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



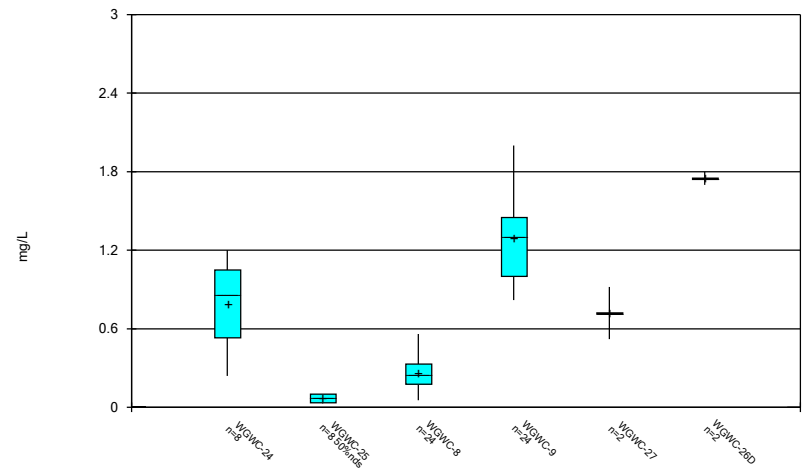
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Box & Whiskers Plot



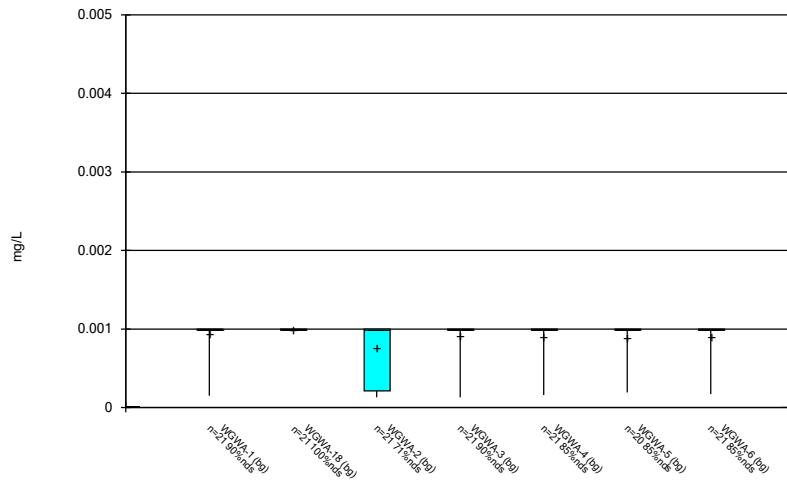
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Box & Whiskers Plot



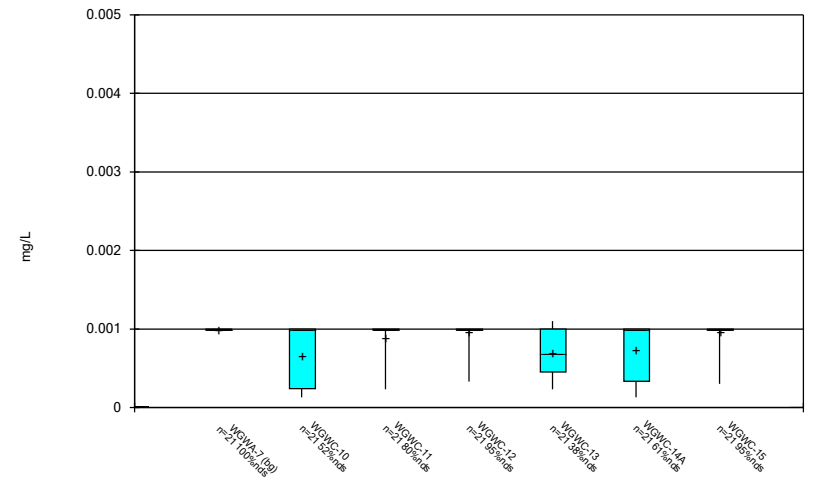
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



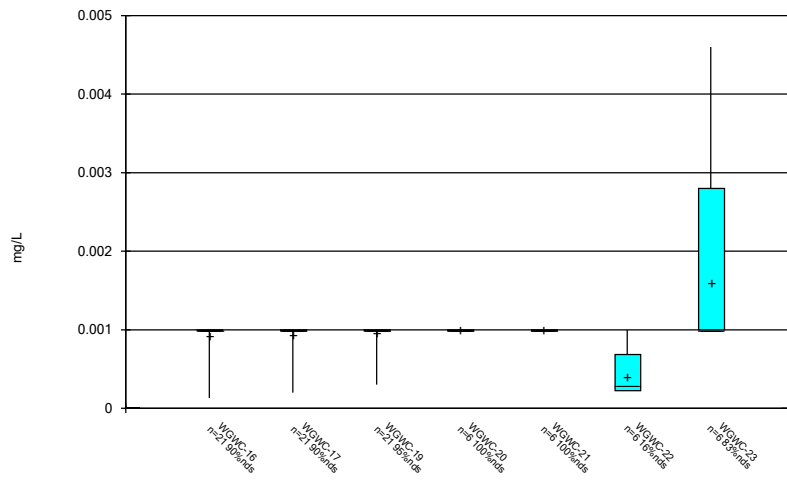
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Box & Whiskers Plot



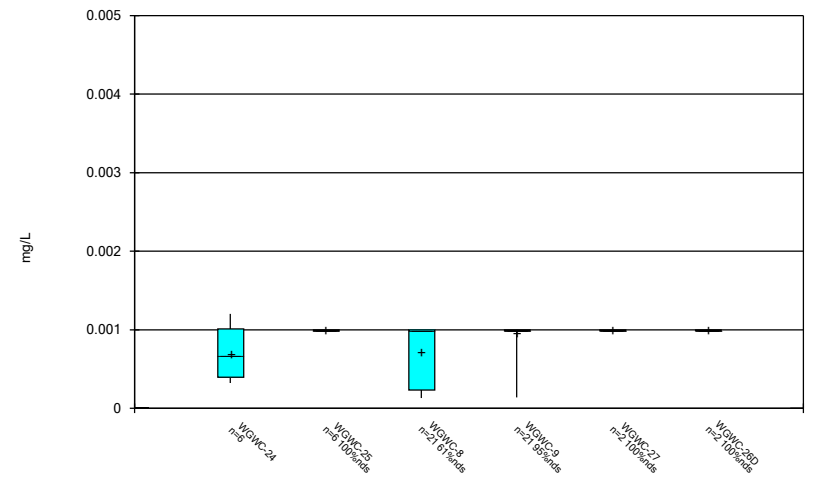
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Box & Whiskers Plot



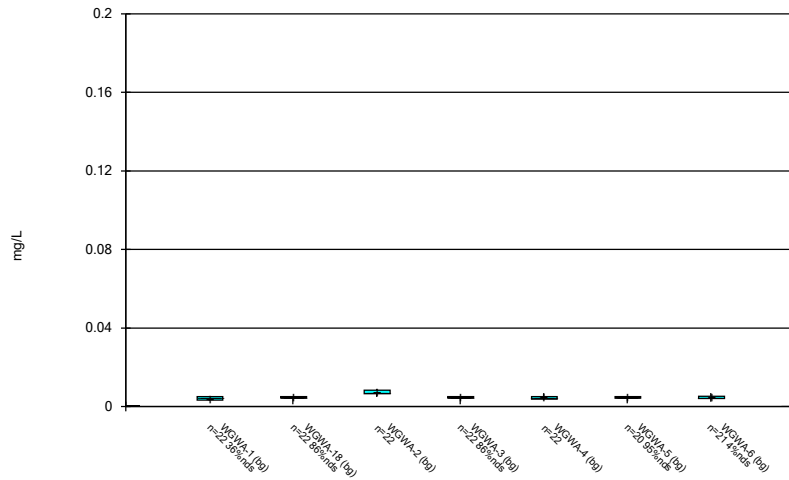
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Box & Whiskers Plot



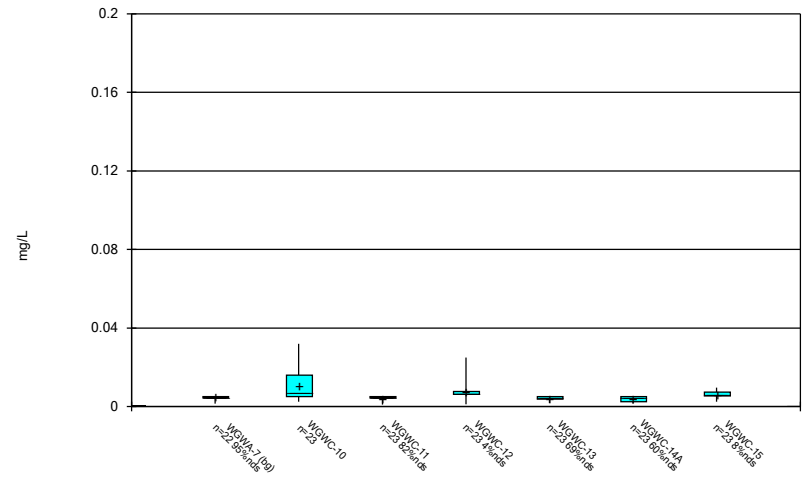
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Box & Whiskers Plot



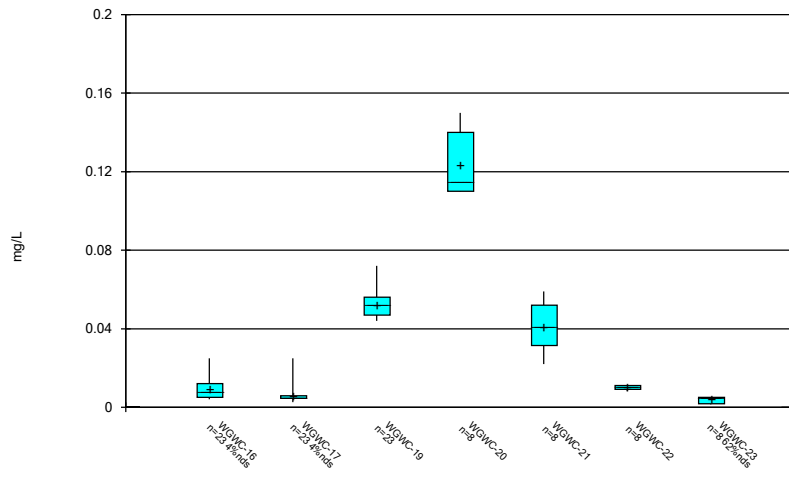
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Box & Whiskers Plot



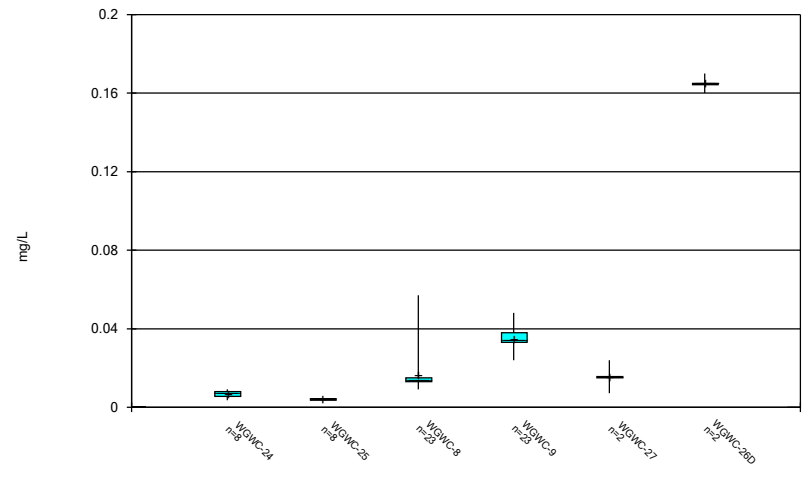
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Box & Whiskers Plot



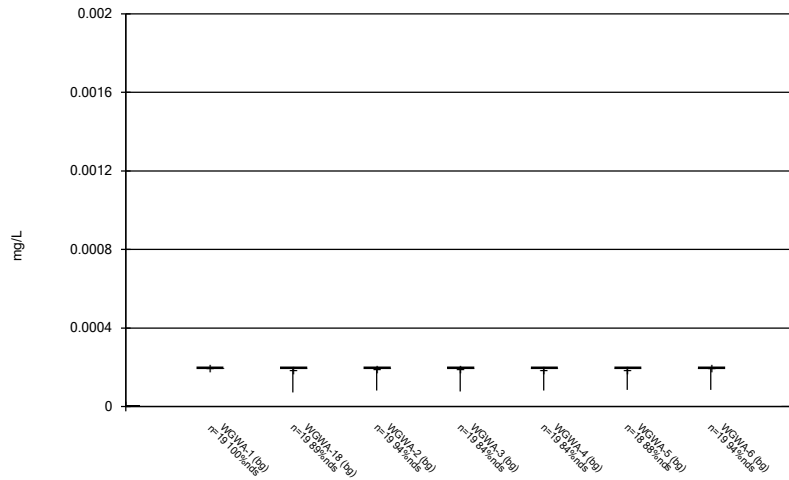
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Box & Whiskers Plot



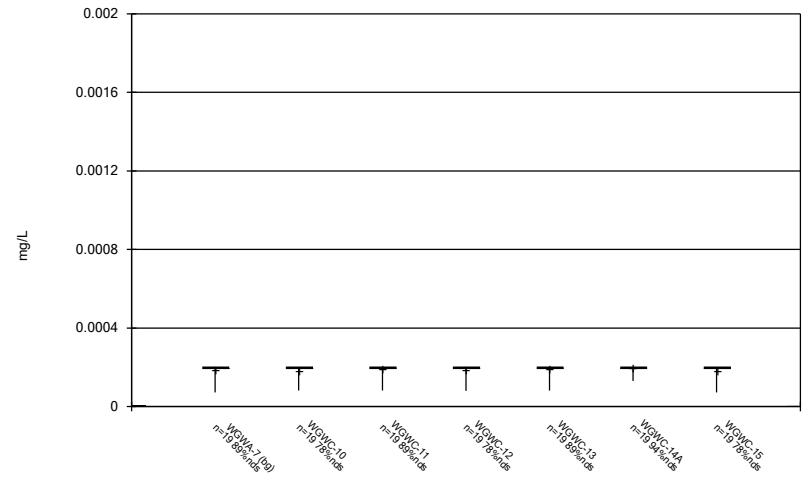
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Box & Whiskers Plot



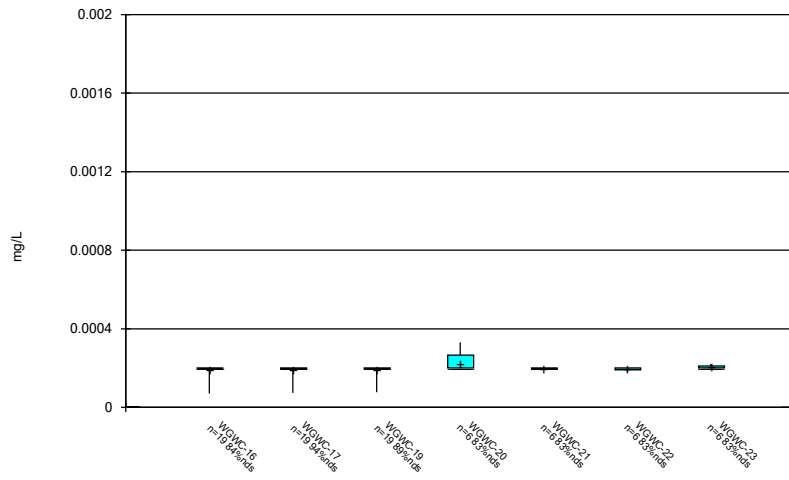
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



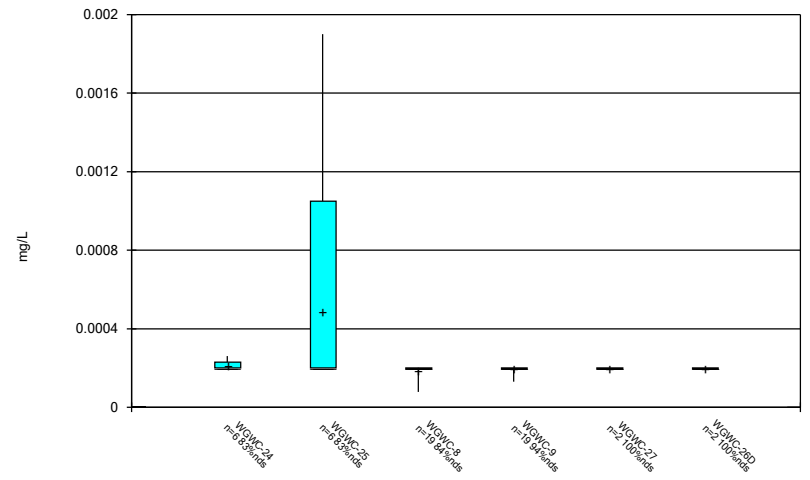
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



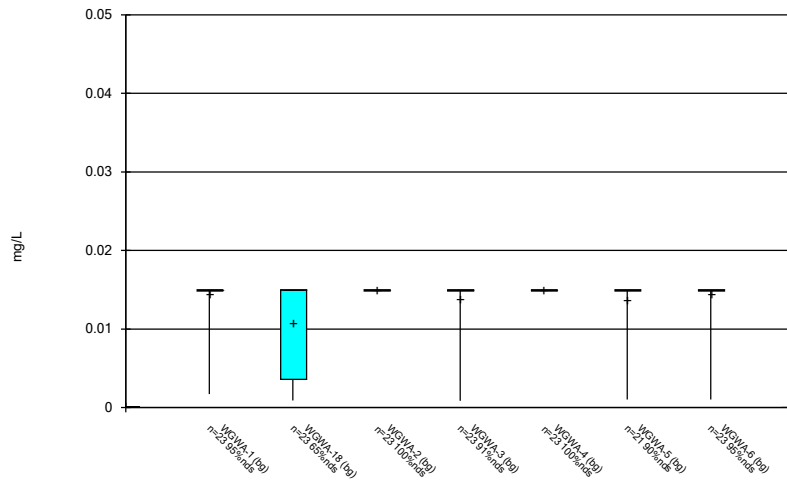
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Box & Whiskers Plot



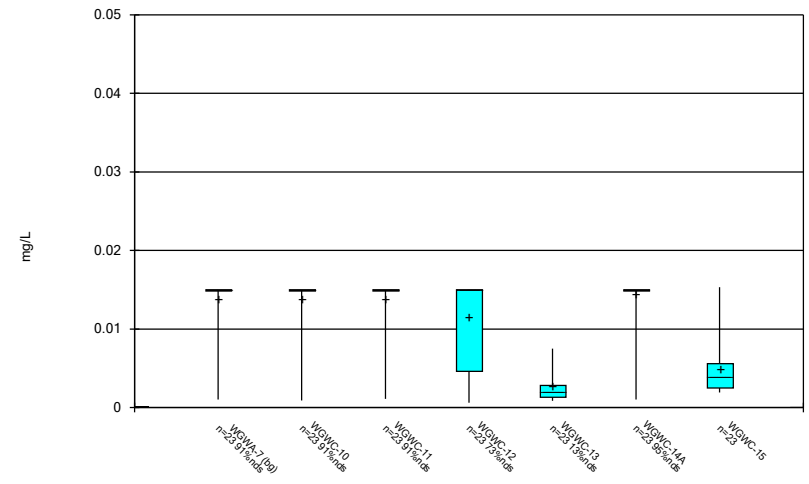
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Box & Whiskers Plot



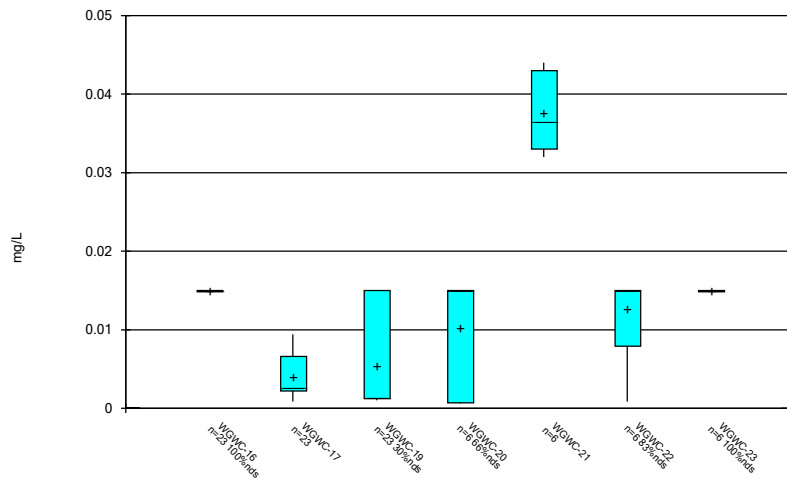
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



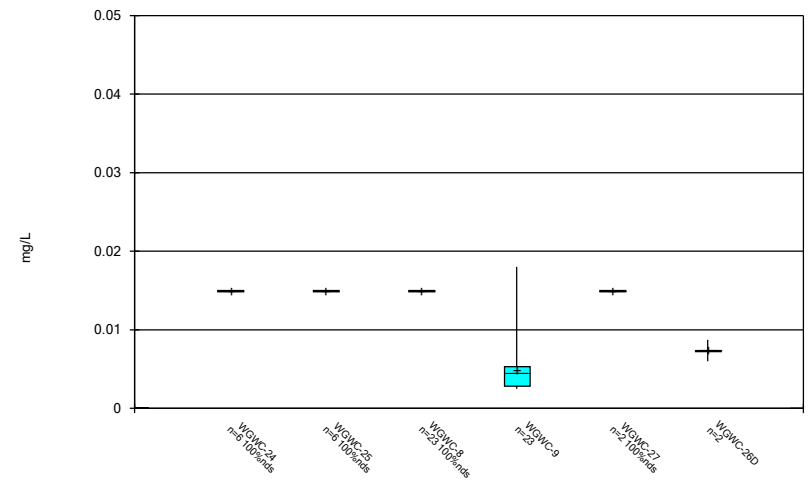
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Box & Whiskers Plot



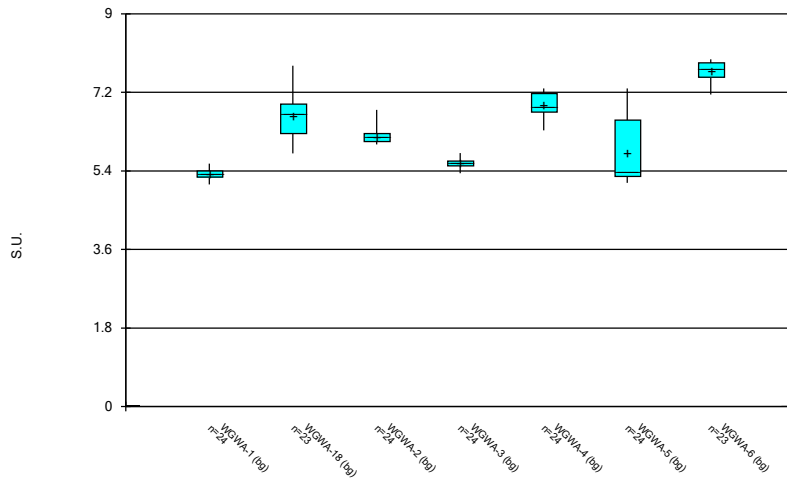
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



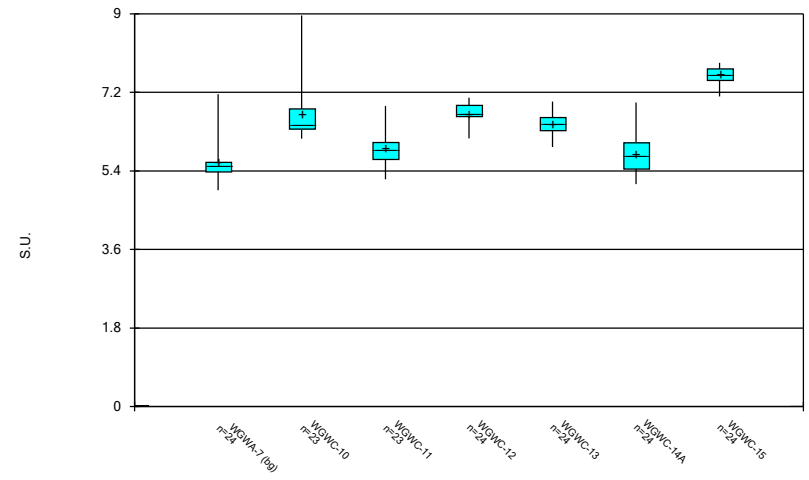
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



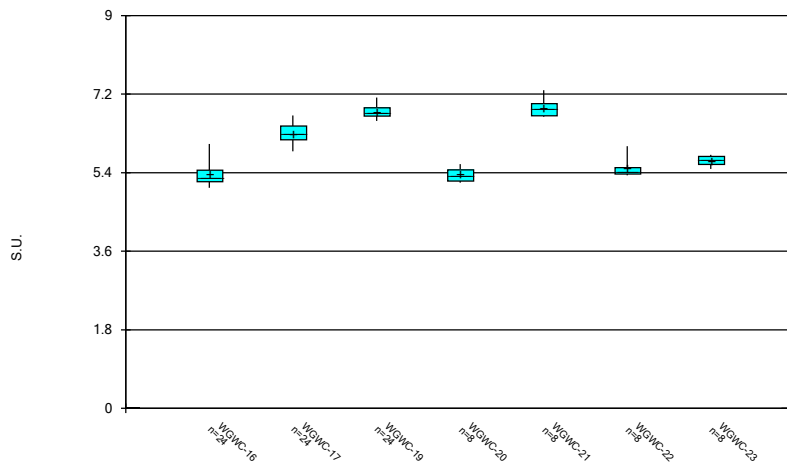
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



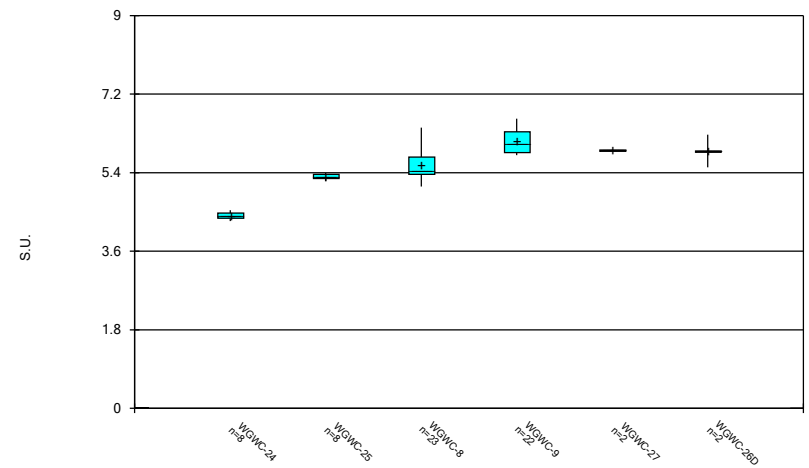
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



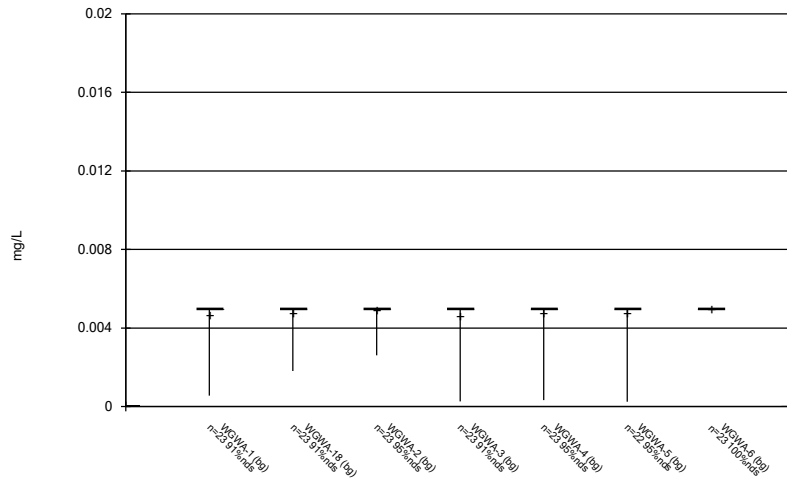
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



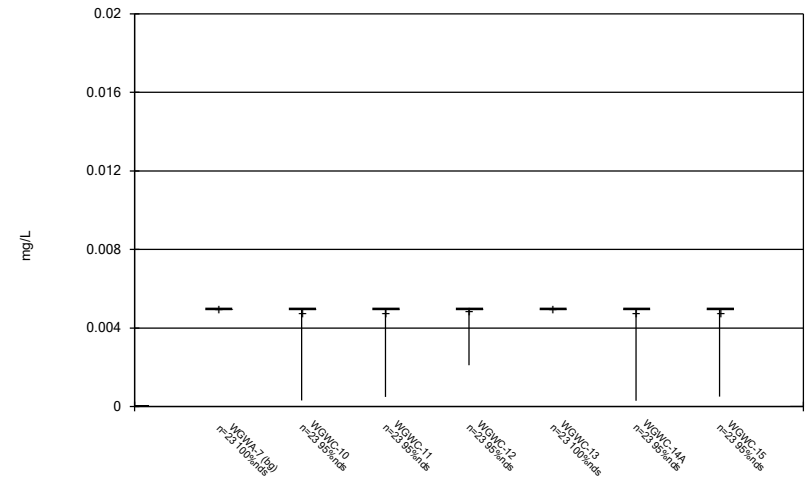
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



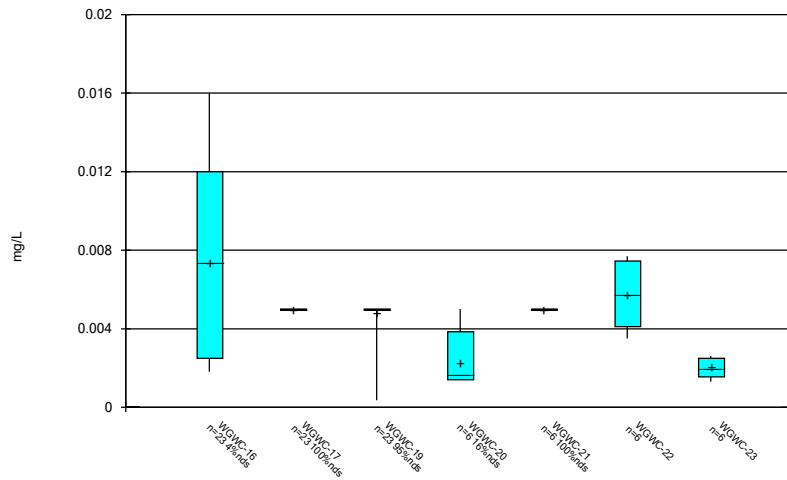
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



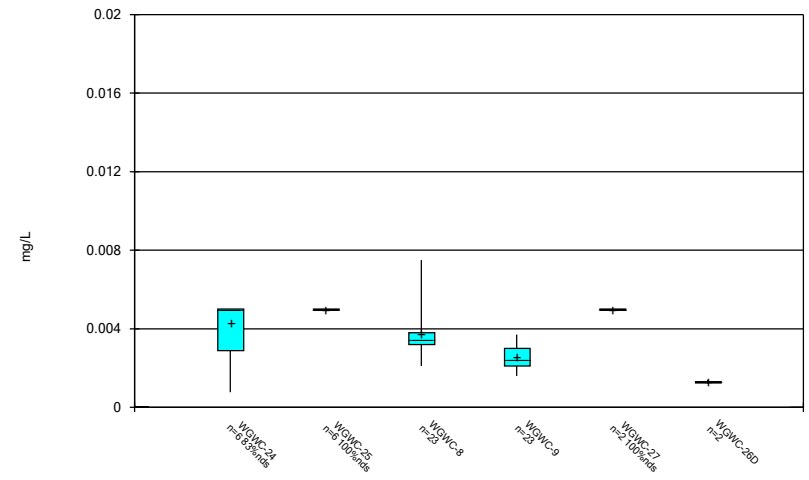
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



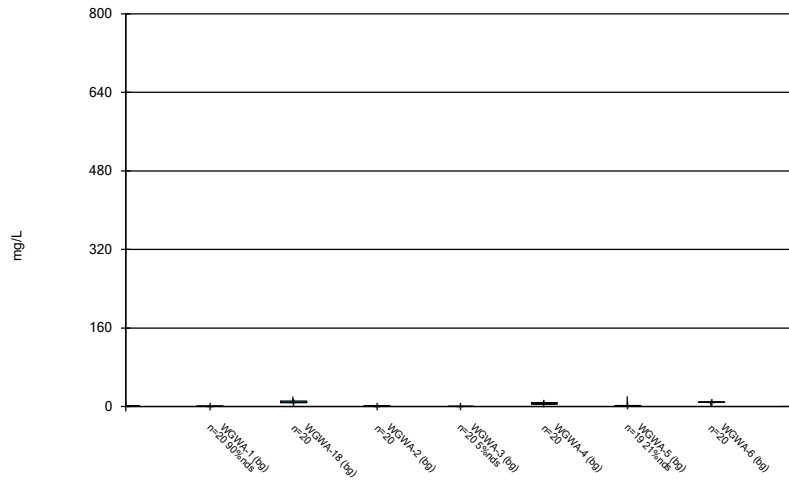
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



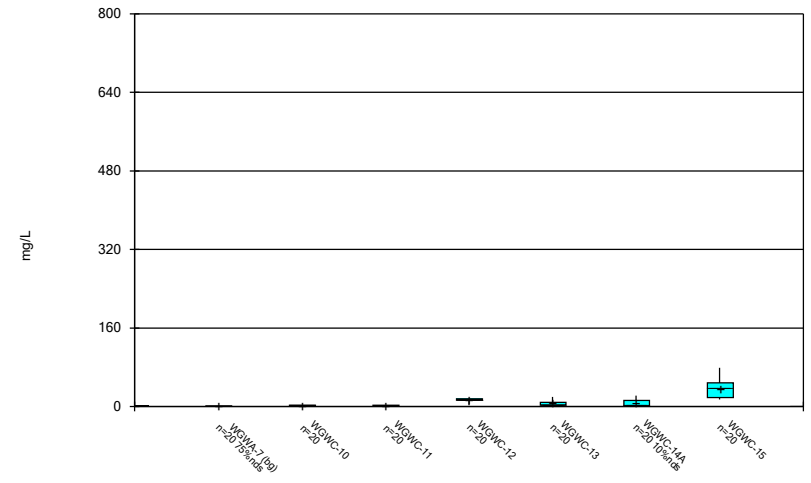
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



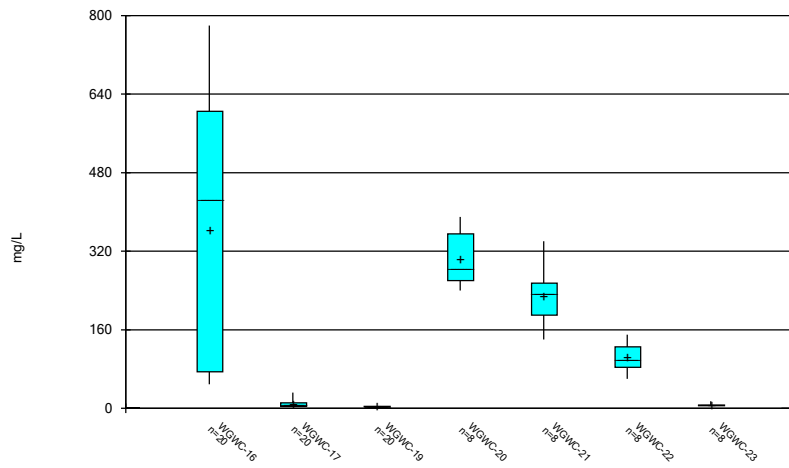
Constituent: Sulfate as SO4 Analysis Run 4/24/2023 11:59 AM View: Time Series & Box Plot
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



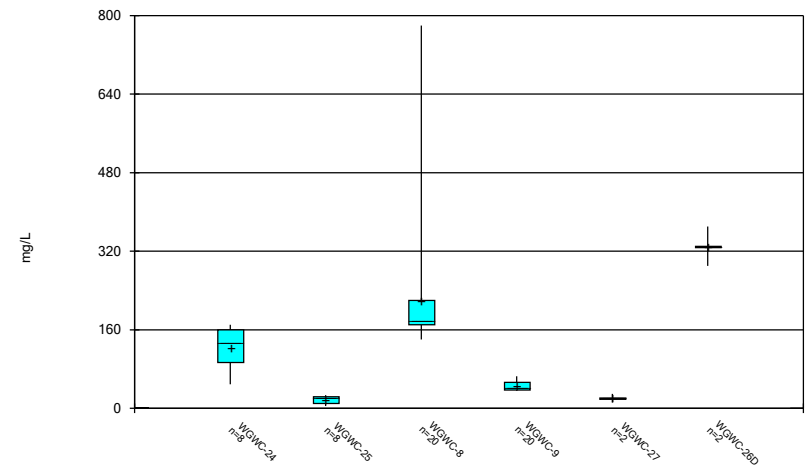
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



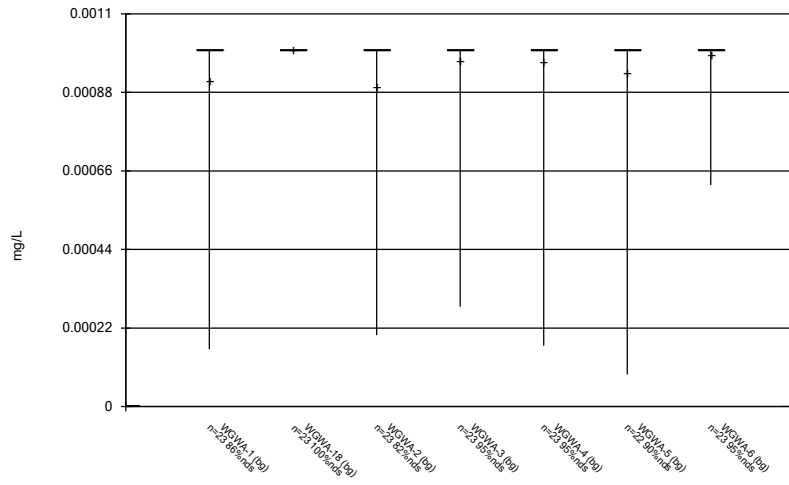
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



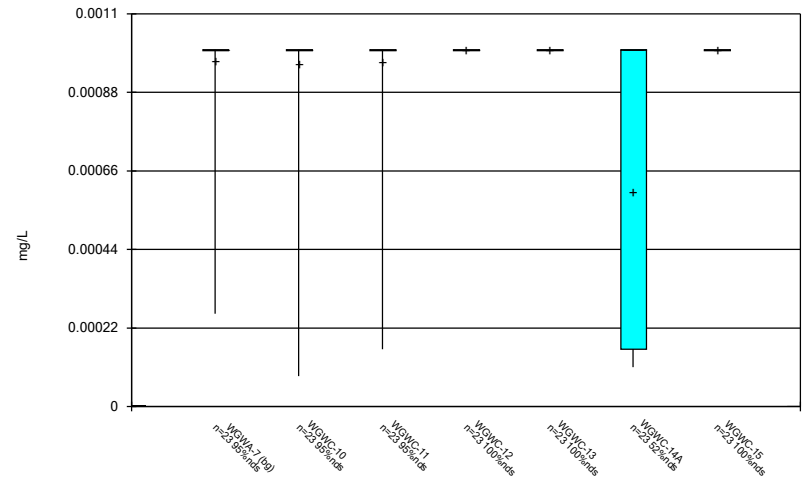
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



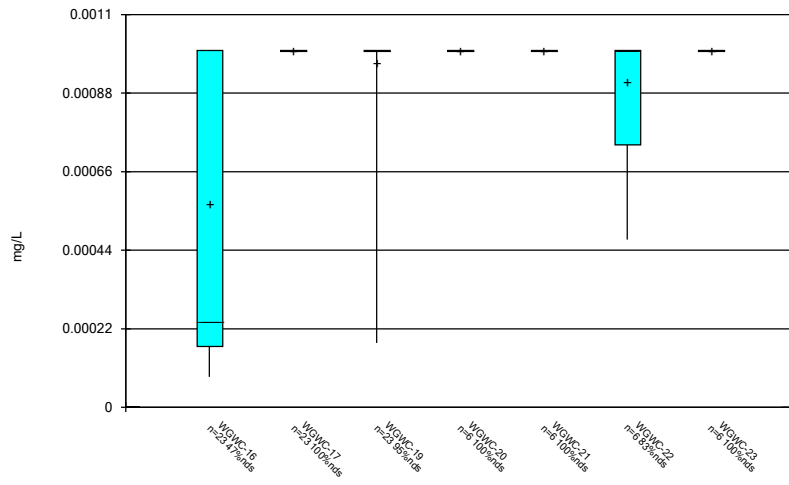
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



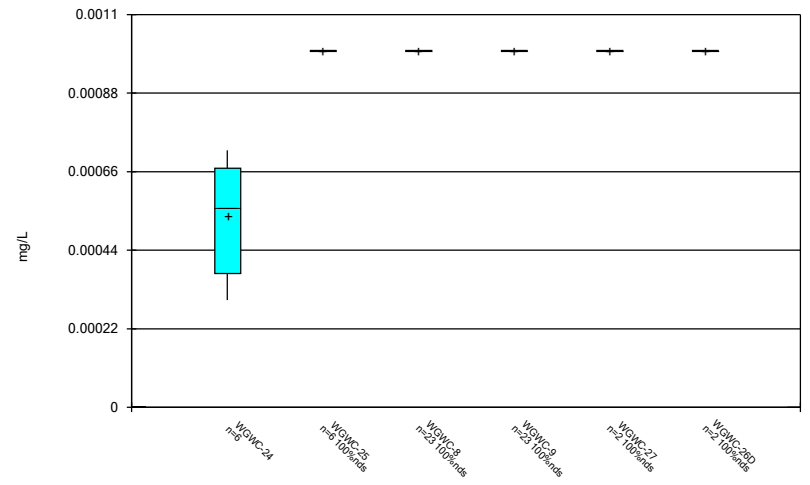
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



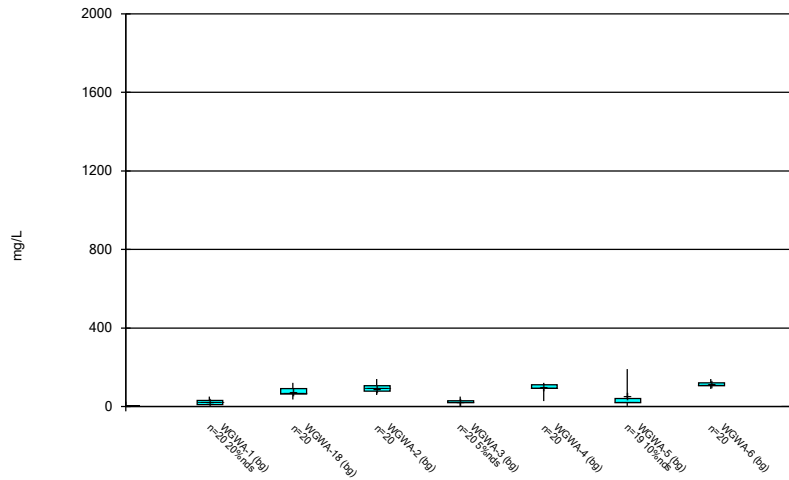
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Box & Whiskers Plot



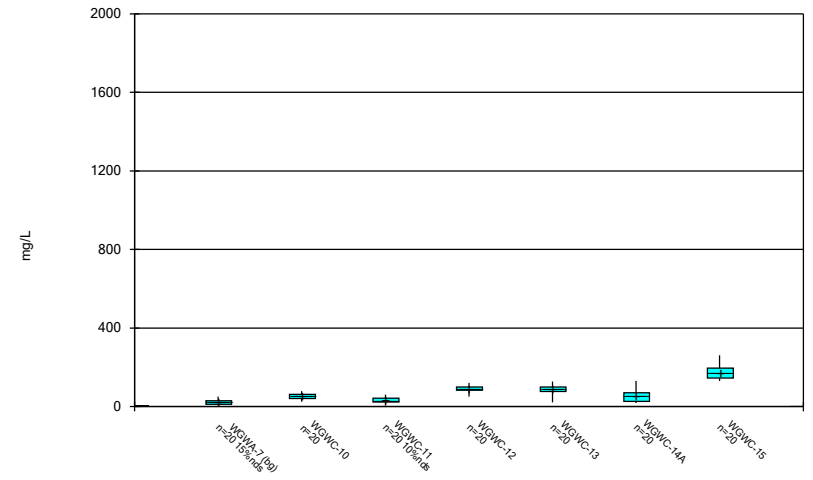
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



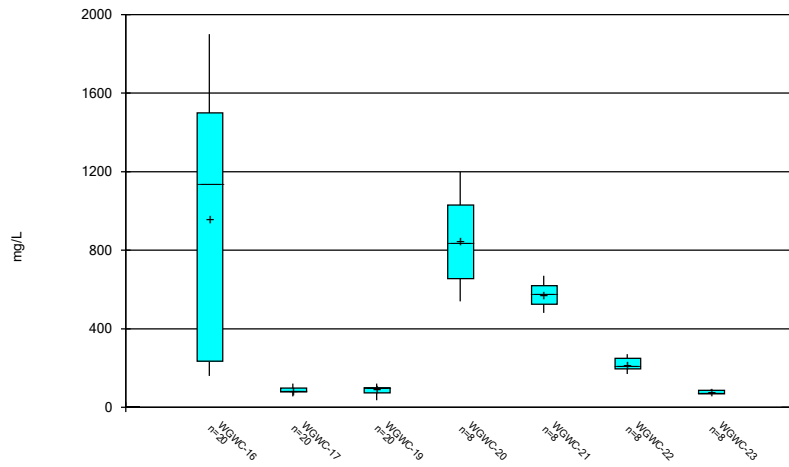
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 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



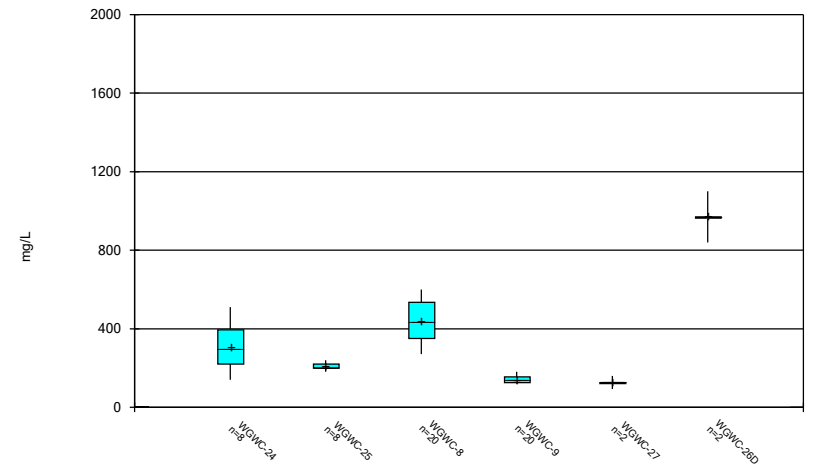
Constituent: Total Dissolved Solids [TDS] Analysis Run 4/24/2023 11:59 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/24/2023 11:59 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/24/2023 11:59 AM View: Time Series & Box Plot
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

FIGURE C.

Outlier Summary

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/20/2023, 12:32 PM

| Date | WGWA-5 Cobalt (mg/L) | WGWA-1 Combined Radium 226 + 228 (pCi/L) | WGWA-6 Combined Radium 226 + 228 (pCi/L) | WGWA-1 Lithium (mg/L) | WGWA-18 Lithium (mg/L) | WGWA-2 Lithium (mg/L) | WGWA-3 Lithium (mg/L) | WGWA-4 Lithium (mg/L) | WGWA-5 Lithium (mg/L) | WGWA-6 Lithium (mg/L) |
|-----------|----------------------|--|--|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 5/17/2016 | | | | <0.005 (O) | <0.005 (O) | <0.05 (O) | | | | |
| 5/18/2016 | | | | | | | <0.005 (O) | <0.05 (O) | <0.005 (O) | <0.005 (O) |
| 7/19/2016 | 7.25 (O) | | | | | | | | | |
| 9/14/2016 | | | | | | | | | | |
| 1/19/2017 | 0.064 (O) | | | | | | | | | |
| 3/14/2017 | | 0.589 (O) | | | | | | | | |
| 9/16/2019 | | | | | | | | 0.028 (O) | 0.032 (O) | |

| Date | WGWA-7 Lithium (mg/L) | WGWA-5 Molybdenum (mg/L) |
|-----------|-----------------------|--------------------------|
| 5/17/2016 | | |
| 5/18/2016 | <0.005 (O) | |
| 7/19/2016 | | |
| 9/14/2016 | 0.016 (O) | |
| 1/19/2017 | | |
| 3/14/2017 | | |
| 9/16/2019 | | |

FIGURE D.

Interwell Prediction Limit - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/20/2023, 12:40 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bg N | Bg Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-------------------------------------|---------|------------|------------|-----------|---------|------|------|---------|-----------|-------|---------|-----------|------------|-----------------------------|
| Boron, total (mg/L) | WGWC-16 | 0.1 | n/a | 2/15/2023 | 0.86 | Yes | 159 | n/a | n/a | 94.34 | n/a | n/a | 0.00007737 | NP Inter (NDs) 1 of 2 |
| Boron, total (mg/L) | WGWC-20 | 0.1 | n/a | 2/16/2023 | 3.5 | Yes | 159 | n/a | n/a | 94.34 | n/a | n/a | 0.00007737 | NP Inter (NDs) 1 of 2 |
| Boron, total (mg/L) | WGWC-21 | 0.1 | n/a | 2/16/2023 | 0.14 | Yes | 159 | n/a | n/a | 94.34 | n/a | n/a | 0.00007737 | NP Inter (NDs) 1 of 2 |
| Boron, total (mg/L) | WGWC-22 | 0.1 | n/a | 2/15/2023 | 0.39 | Yes | 159 | n/a | n/a | 94.34 | n/a | n/a | 0.00007737 | NP Inter (NDs) 1 of 2 |
| Boron, total (mg/L) | WGWC-24 | 0.1 | n/a | 2/15/2023 | 1.4 | Yes | 159 | n/a | n/a | 94.34 | n/a | n/a | 0.00007737 | NP Inter (NDs) 1 of 2 |
| Boron, total (mg/L) | WGWC-25 | 0.1 | n/a | 2/15/2023 | 0.89 | Yes | 159 | n/a | n/a | 94.34 | n/a | n/a | 0.00007737 | NP Inter (NDs) 1 of 2 |
| Boron, total (mg/L) | WGWC-8 | 0.1 | n/a | 2/16/2023 | 2.8 | Yes | 159 | n/a | n/a | 94.34 | n/a | n/a | 0.00007737 | NP Inter (NDs) 1 of 2 |
| Boron, total (mg/L) | WGWC-9 | 0.1 | n/a | 2/15/2023 | 0.69 | Yes | 159 | n/a | n/a | 94.34 | n/a | n/a | 0.00007737 | NP Inter (NDs) 1 of 2 |
| Calcium, total (mg/L) | WGWC-20 | 58 | n/a | 2/16/2023 | 190 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Calcium, total (mg/L) | WGWC-21 | 58 | n/a | 2/16/2023 | 68 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Calcium, total (mg/L) | WGWC-8 | 58 | n/a | 2/16/2023 | 92 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Chloride, Total (mg/L) | WGWC-16 | 6.05 | n/a | 2/15/2023 | 42 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Chloride, Total (mg/L) | WGWC-20 | 6.05 | n/a | 2/16/2023 | 230 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Chloride, Total (mg/L) | WGWC-21 | 6.05 | n/a | 2/16/2023 | 51 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Chloride, Total (mg/L) | WGWC-24 | 6.05 | n/a | 2/15/2023 | 39 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Chloride, Total (mg/L) | WGWC-25 | 6.05 | n/a | 2/15/2023 | 79 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Chloride, Total (mg/L) | WGWC-8 | 6.05 | n/a | 2/16/2023 | 120 | Yes | 159 | n/a | n/a | 0 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Fluoride, total (mg/L) | WGWC-15 | 0.284 | n/a | 2/15/2023 | 0.73 | Yes | 191 | n/a | n/a | 45.55 | n/a | n/a | 0.00005418 | NP Inter (normality) 1 of 2 |
| Fluoride, total (mg/L) | WGWC-19 | 0.284 | n/a | 2/16/2023 | 0.33 | Yes | 191 | n/a | n/a | 45.55 | n/a | n/a | 0.00005418 | NP Inter (normality) 1 of 2 |
| Fluoride, total (mg/L) | WGWC-20 | 0.284 | n/a | 2/16/2023 | 1.9 | Yes | 191 | n/a | n/a | 45.55 | n/a | n/a | 0.00005418 | NP Inter (normality) 1 of 2 |
| Fluoride, total (mg/L) | WGWC-21 | 0.284 | n/a | 2/16/2023 | 1.9 | Yes | 191 | n/a | n/a | 45.55 | n/a | n/a | 0.00005418 | NP Inter (normality) 1 of 2 |
| Fluoride, total (mg/L) | WGWC-22 | 0.284 | n/a | 2/15/2023 | 0.31 | Yes | 191 | n/a | n/a | 45.55 | n/a | n/a | 0.00005418 | NP Inter (normality) 1 of 2 |
| Fluoride, total (mg/L) | WGWC-24 | 0.284 | n/a | 2/15/2023 | 0.63 | Yes | 191 | n/a | n/a | 45.55 | n/a | n/a | 0.00005418 | NP Inter (normality) 1 of 2 |
| Fluoride, total (mg/L) | WGWC-9 | 0.284 | n/a | 2/15/2023 | 0.85 | Yes | 191 | n/a | n/a | 45.55 | n/a | n/a | 0.00005418 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-24 | 7.96 | 4.96 | 2/15/2023 | 4.54 | Yes | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-16 | 21 | n/a | 2/15/2023 | 54 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-20 | 21 | n/a | 2/16/2023 | 350 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-21 | 21 | n/a | 2/16/2023 | 340 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-22 | 21 | n/a | 2/15/2023 | 110 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-24 | 21 | n/a | 2/15/2023 | 120 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-25 | 21 | n/a | 2/15/2023 | 27 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-8 | 21 | n/a | 2/16/2023 | 250 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-9 | 21 | n/a | 2/15/2023 | 65 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-20 | 190 | n/a | 2/16/2023 | 960 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-21 | 190 | n/a | 2/16/2023 | 630 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-22 | 190 | n/a | 2/15/2023 | 210 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-24 | 190 | n/a | 2/15/2023 | 230 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-25 | 190 | n/a | 2/15/2023 | 200 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-8 | 190 | n/a | 2/16/2023 | 590 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |

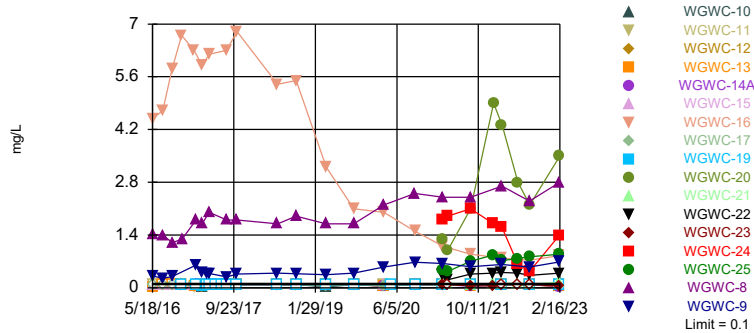
Interwell Prediction Limit - All Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/20/2023, 12:40 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bg N | Bg Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|--|----------------|-------------|-------------|------------------|-------------|------------|------------|------------|------------|--------------|------------|------------|-------------------|------------------------------------|
| pH, Field (S.U.) | WGWC-10 | 7.96 | 4.96 | 2/16/2023 | 6.39 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-11 | 7.96 | 4.96 | 2/16/2023 | 5.69 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-12 | 7.96 | 4.96 | 2/16/2023 | 6.61 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-13 | 7.96 | 4.96 | 2/16/2023 | 6.27 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-14A | 7.96 | 4.96 | 2/16/2023 | 5.4 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-15 | 7.96 | 4.96 | 2/15/2023 | 7.72 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-16 | 7.96 | 4.96 | 2/15/2023 | 5.19 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-17 | 7.96 | 4.96 | 2/16/2023 | 6.28 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-19 | 7.96 | 4.96 | 2/16/2023 | 6.8 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-20 | 7.96 | 4.96 | 2/16/2023 | 5.17 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-21 | 7.96 | 4.96 | 2/16/2023 | 6.92 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-22 | 7.96 | 4.96 | 2/15/2023 | 5.47 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-23 | 7.96 | 4.96 | 2/15/2023 | 5.49 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-24 | 7.96 | 4.96 | 2/15/2023 | 4.54 | Yes | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-25 | 7.96 | 4.96 | 2/15/2023 | 5.36 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-8 | 7.96 | 4.96 | 2/16/2023 | 5.22 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| pH, Field (S.U.) | WGWC-9 | 7.96 | 4.96 | 2/15/2023 | 5.86 | No | 190 | n/a | n/a | 0 | n/a | n/a | 0.0001095 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-10 | 21 | n/a | 2/16/2023 | 1.8 | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-11 | 21 | n/a | 2/16/2023 | 1 | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-12 | 21 | n/a | 2/16/2023 | 2.8 | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-13 | 21 | n/a | 2/16/2023 | 2.3 | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-14A | 21 | n/a | 2/16/2023 | 0.47J | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-15 | 21 | n/a | 2/15/2023 | 14 | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-16 | 21 | n/a | 2/15/2023 | 54 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-17 | 21 | n/a | 2/16/2023 | 2.6 | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-19 | 21 | n/a | 2/16/2023 | 3 | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-20 | 21 | n/a | 2/16/2023 | 350 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-21 | 21 | n/a | 2/16/2023 | 340 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-22 | 21 | n/a | 2/15/2023 | 110 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-23 | 21 | n/a | 2/15/2023 | 5.2 | No | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-24 | 21 | n/a | 2/15/2023 | 120 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-25 | 21 | n/a | 2/15/2023 | 27 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-8 | 21 | n/a | 2/16/2023 | 250 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Sulfate as SO4 (mg/L) | WGWC-9 | 21 | n/a | 2/15/2023 | 65 | Yes | 159 | n/a | n/a | 23.9 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-10 | 190 | n/a | 2/16/2023 | 54 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-11 | 190 | n/a | 2/16/2023 | 33 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-12 | 190 | n/a | 2/16/2023 | 89 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-13 | 190 | n/a | 2/16/2023 | 81 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-14A | 190 | n/a | 2/16/2023 | 27 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-15 | 190 | n/a | 2/15/2023 | 130 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-16 | 190 | n/a | 2/15/2023 | 160 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-17 | 190 | n/a | 2/16/2023 | 77 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-19 | 190 | n/a | 2/16/2023 | 100 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-20 | 190 | n/a | 2/16/2023 | 960 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-21 | 190 | n/a | 2/16/2023 | 630 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-22 | 190 | n/a | 2/15/2023 | 210 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-23 | 190 | n/a | 2/15/2023 | 71 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-24 | 190 | n/a | 2/15/2023 | 230 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-25 | 190 | n/a | 2/15/2023 | 200 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-8 | 190 | n/a | 2/16/2023 | 590 | Yes | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-9 | 190 | n/a | 2/15/2023 | 160 | No | 159 | n/a | n/a | 6.289 | n/a | n/a | 0.00007737 | NP Inter (normality) 1 of 2 |

Exceeds Limit: WGWC-16, WGWC-20,
WGWC-21, WGWC-22, WGWC-24, WGWC-
25, WGWC-8, WGWC-9

Prediction Limit
Interwell Non-parametric

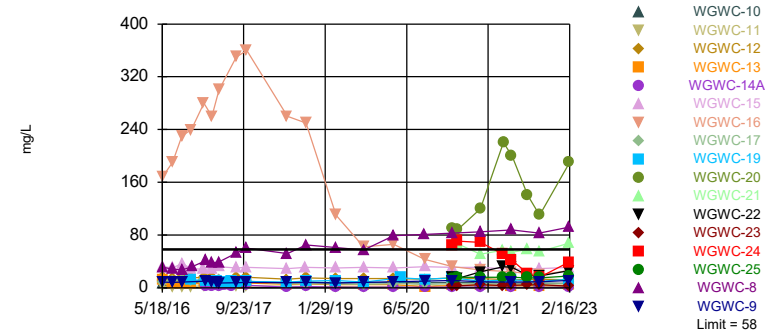


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 159 background values. 94.34% NDs. Annual per-constituent alpha = 0.002627. Individual comparison alpha = 0.00007737 (1 of 2). Comparing 17 points to limit.

Constituent: Boron, total Analysis Run 4/20/2023 12:38 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Exceeds Limit: WGWC-20, WGWC-21,
WGWC-8

Prediction Limit
Interwell Non-parametric

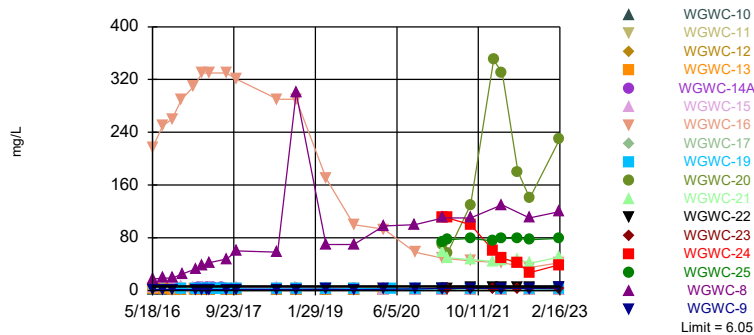


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 159 background values. Annual per-constituent alpha = 0.002627. Individual comparison alpha = 0.00007737 (1 of 2). Comparing 17 points to limit.

Constituent: Calcium, total Analysis Run 4/20/2023 12:38 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Exceeds Limit: WGWC-16, WGWC-20,
WGWC-21, WGWC-24, WGWC-25, WGWC-
8

Prediction Limit
Interwell Non-parametric

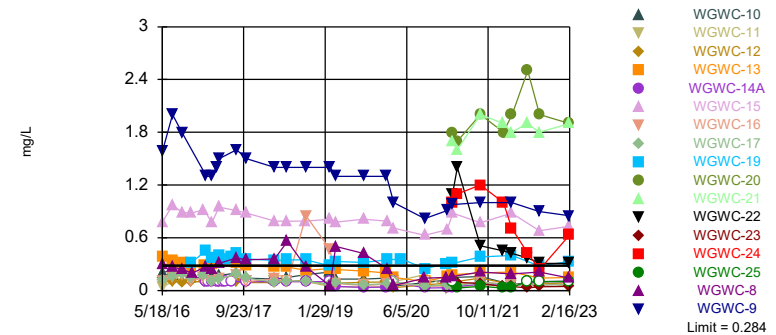


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 159 background values. Annual per-constituent alpha = 0.002627. Individual comparison alpha = 0.00007737 (1 of 2). Comparing 17 points to limit.

Constituent: Chloride, Total Analysis Run 4/20/2023 12:38 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Exceeds Limit: WGWC-15, WGWC-19,
WGWC-20, WGWC-21, WGWC-22, WGWC-
24, WGWC-9

Prediction Limit
Interwell Non-parametric

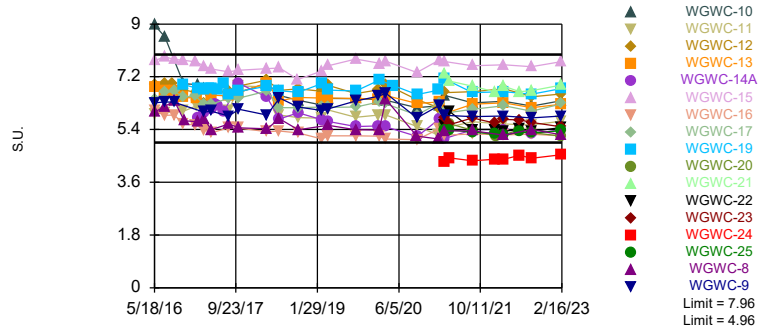


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 191 background values. 45.55% NDs. Annual per-constituent alpha = 0.00184. Individual comparison alpha = 0.00005418 (1 of 2). Comparing 17 points to limit.

Constituent: Fluoride, total Analysis Run 4/20/2023 12:38 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Exceeds Limits: WGWC-24

Prediction Limit
Interwell Non-parametric



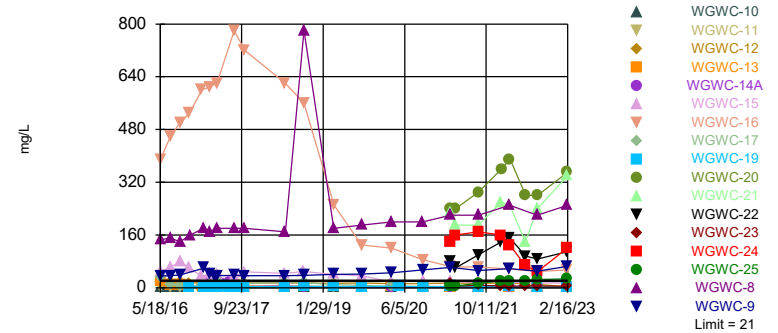
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 190 background values. Annual per-constituent alpha = 0.003719. Individual comparison alpha = 0.0001095 (1 of 2). Comparing 17 points to limit.

Constituent: pH, Field Analysis Run 4/20/2023 12:38 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Hollow symbols indicate censored values.

Exceeds Limit: WGWC-16, WGWC-20, WGWC-21, WGWC-22, WGWC-24, WGWC-25, WGWC-8, WGWC-9

Prediction Limit
Interwell Non-parametric



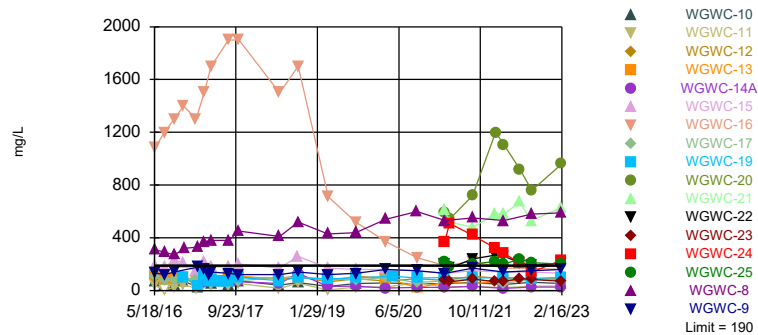
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 159 background values. 23.9% NDs. Annual per-constituent alpha = 0.002627. Individual comparison alpha = 0.00007737 (1 of 2). Comparing 17 points to limit.

Constituent: Sulfate as SO4 Analysis Run 4/20/2023 12:38 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Hollow symbols indicate censored values.

Exceeds Limit: WGWC-20, WGWC-21, WGWC-22, WGWC-24, WGWC-25, WGWC-8

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 159 background values. 6.289% NDs. Annual per-constituent alpha = 0.002627. Individual comparison alpha = 0.00007737 (1 of 2). Comparing 17 points to limit.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/20/2023 12:38 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-2 (bg) | WGWA-18 (bg) | WGWC-15 | WGWC-17 | WGWC-10 | WGWA-7 (bg) | WGWA-6 (bg) | WGWA-5 (bg) |
|------------|-------------|-------------|--------------|---------|-----------|-----------|-------------|-------------|-------------|
| 5/17/2016 | <0.08 | <0.08 | <0.08 | | | | | | |
| 5/18/2016 | | | | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 |
| 5/19/2016 | | | | | | | | | |
| 7/19/2016 | <0.08 | <0.08 | <0.08 | <0.08 | | | <0.08 | <0.08 | <0.08 |
| 7/20/2016 | | | | | <0.08 | <0.08 | | | |
| 9/13/2016 | <0.08 | <0.08 | <0.08 | | | | <0.08 | <0.08 | |
| 9/14/2016 | | | | <0.08 | <0.08 | <0.08 | | | <0.08 |
| 9/15/2016 | | | | | | | | | |
| 11/9/2016 | <0.08 | <0.08 | <0.08 | | | | | <0.08 | |
| 11/10/2016 | | | | <0.08 | <0.08 | | <0.08 | | |
| 11/11/2016 | | | | | | <0.08 | | | |
| 11/14/2016 | | | | | | | | | |
| 1/17/2017 | <0.08 | <0.08 | | | | | | | |
| 1/18/2017 | | | | | | | <0.08 | <0.08 | |
| 1/19/2017 | | | <0.08 | | | | | | <0.08 |
| 1/20/2017 | | | | | <0.08 | | | | |
| 1/24/2017 | | | | <0.08 | | | | | |
| 1/27/2017 | | | | | | | | | |
| 2/6/2017 | | | | | | <0.08 | | | |
| 2/8/2017 | | | | | | | | | |
| 2/9/2017 | | | | | | | | | |
| 2/23/2017 | | | | | | | | | |
| 3/13/2017 | <0.08 | <0.08 | | | | | | | |
| 3/14/2017 | | | <0.08 | <0.08 | <0.08 | | <0.08 | <0.08 | <0.08 |
| 3/15/2017 | | | | | | 0.032 (J) | | | |
| 3/17/2017 | | | | | | | | | |
| 4/11/2017 | | | | | | | | | |
| 4/24/2017 | <0.08 | <0.08 | | | | | | | |
| 4/25/2017 | | | <0.08 | <0.08 | <0.08 | | <0.08 | <0.08 | <0.08 |
| 4/26/2017 | | | | | | <0.08 | | | |
| 5/17/2017 | | | | | | | | | |
| 6/7/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 8/8/2017 | <0.08 | <0.08 | <0.08 | | | | <0.08 | <0.08 | |
| 8/9/2017 | | | | <0.08 | <0.08 | | | | <0.08 |
| 8/10/2017 | | | | | | <0.08 | | | |
| 10/10/2017 | <0.08 | <0.08 | | | | | | | |
| 10/11/2017 | | | <0.08 | <0.08 | <0.08 | | <0.08 | <0.08 | <0.08 |
| 10/12/2017 | | | | | | <0.08 | | | |
| 6/13/2018 | <0.08 | | <0.08 | | | | | <0.08 | <0.08 |
| 6/14/2018 | | <0.08 | | <0.08 | <0.08 | <0.08 | <0.08 | | |
| 9/24/2018 | | <0.08 | | | | | | | |
| 9/27/2018 | <0.08 | | | | | | | | |
| 9/28/2018 | | | <0.08 | | | | | | |
| 10/2/2018 | | | | | | | | <0.08 | |
| 10/3/2018 | | | | <0.08 | | | <0.08 | | <0.08 |
| 10/4/2018 | | | | | <0.08 | <0.08 | | | |
| 4/1/2019 | <0.08 | <0.08 | | | | | | | |
| 4/2/2019 | | | <0.08 | | | | <0.08 | <0.08 | <0.08 |
| 4/3/2019 | | | | | | | | | |
| 4/4/2019 | | | | <0.08 | 0.049 (J) | 0.024 (J) | | | |
| 9/16/2019 | <0.08 | | | | | | | <0.08 | <0.08 |

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-2 (bg) | WGWA-18 (bg) | WGWC-15 | WGWC-17 | WGWC-10 | WGWA-7 (bg) | WGWA-6 (bg) | WGWA-5 (bg) |
|-----------|-------------|-------------|--------------|-----------|-----------|-----------|-------------|-------------|-------------|
| 9/17/2019 | | <0.08 | <0.08 | | | | | | |
| 9/18/2019 | | | | <0.08 | <0.08 | | <0.08 | | |
| 9/19/2019 | | | | | | <0.08 | | | |
| 3/16/2020 | <0.08 | 0.048 (J) | | | | | | | |
| 3/17/2020 | | | <0.08 | | | | <0.08 | <0.08 | <0.08 |
| 3/18/2020 | | | | 0.071 (J) | 0.049 (J) | 0.049 (J) | | | |
| 3/19/2020 | | | | | | | | | |
| 5/4/2020 | | | | | | | | | |
| 9/21/2020 | | <0.08 | | | | | | | |
| 9/22/2020 | <0.08 | | <0.08 | | | | <0.08 | <0.08 | <0.08 |
| 9/23/2020 | | | | <0.08 | <0.08 | <0.08 | | | |
| 9/24/2020 | | | | | | | | | |
| 3/8/2021 | | | | | | | | | |
| 3/9/2021 | | | | | | | | | |
| 3/10/2021 | | 0.039 (J) | <0.08 | | | | <0.08 | | <0.08 |
| 3/11/2021 | <0.08 | | | | <0.08 | <0.08 | | <0.08 | |
| 3/12/2021 | | | | <0.08 | | | | | |
| 4/7/2021 | | | | | | | | | |
| 4/8/2021 | | | | | | | | | |
| 8/23/2021 | | <0.08 | | | | | | | |
| 8/24/2021 | <0.08 | | | | | | <0.08 | <0.08 | <0.08 |
| 8/25/2021 | | | 0.1 | | <0.08 | | | | |
| 8/26/2021 | | | | <0.08 | | <0.08 | | | |
| 1/11/2022 | | | | | | | | | |
| 1/12/2022 | | | | | | | | | |
| 2/28/2022 | | | | | | | | | |
| 3/1/2022 | <0.08 | <0.08 | | | | | | <0.08 | <0.08 |
| 3/3/2022 | | | 0.1 | <0.08 | | <0.08 | <0.08 | | |
| 3/4/2022 | | | | | <0.08 | | | | |
| 6/6/2022 | | | | | | | | | |
| 6/7/2022 | | | | | | | | | |
| 8/15/2022 | <0.08 | 0.066 (J) | | | | | | <0.08 | <0.08 |
| 8/16/2022 | | | <0.08 | | <0.08 | | <0.08 | | |
| 8/17/2022 | | | | <0.08 | | | | | |
| 8/18/2022 | | | | | | | | | |
| 8/19/2022 | | | | | | <0.08 | | | |
| 2/14/2023 | 0.026 (J) | 0.023 (J) | <0.08 | | | | 0.033 (J) | <0.08 | 0.03 (J) |
| 2/15/2023 | | | | <0.08 | | | | | |
| 2/16/2023 | | | | | <0.08 | 0.04 (J) | | | |

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-4 (bg) | WGWA-3 (bg) | WGWC-16 | WGWC-11 | WGWC-9 | WGWC-8 | WGWC-12 | WGWC-13 | WGWC-19 |
|------------|-------------|-------------|---------|-----------|--------|--------|-----------|------------|-----------|
| 5/17/2016 | | | | | | | | | |
| 5/18/2016 | <0.08 | <0.08 | 4.48 | | | | | | |
| 5/19/2016 | | | | <0.08 | 0.314 | 1.42 | <0.08 | 0.0252 (J) | |
| 7/19/2016 | | | 4.7 | | | | | | |
| 7/20/2016 | <0.08 | <0.08 | | <0.08 | 0.25 | 1.4 | <0.08 | <0.08 | |
| 9/13/2016 | <0.08 | <0.08 | | | | | | | |
| 9/14/2016 | | | 5.8 | <0.08 | 0.3 | | <0.08 | <0.08 | |
| 9/15/2016 | | | | | | 1.2 | | | |
| 11/9/2016 | | | | | | | | | |
| 11/10/2016 | <0.08 | <0.08 | 6.7 | | | | | <0.08 | |
| 11/11/2016 | | | | <0.08 | | | <0.08 | | <0.08 |
| 11/14/2016 | | | | | | 1.3 | | | |
| 1/17/2017 | | | | | | | | | |
| 1/18/2017 | <0.08 | <0.08 | | | | | | | |
| 1/19/2017 | | | | | | | | | |
| 1/20/2017 | | | | | | | | | |
| 1/24/2017 | | | 6.3 | | | | | | |
| 1/27/2017 | | | | 0.021 (J) | | | 0.047 (J) | 0.033 (J) | |
| 2/6/2017 | | | | | | 1.8 | | | <0.08 |
| 2/8/2017 | | | | | | | | | |
| 2/9/2017 | | | | | 0.61 | | | | |
| 2/23/2017 | | | | | | | | | |
| 3/13/2017 | | | | | | | | | |
| 3/14/2017 | <0.08 | <0.08 | | | | | | | |
| 3/15/2017 | | | 5.9 | 0.058 | 0.42 | 1.7 | 0.024 (J) | <0.08 | 0.034 (J) |
| 3/17/2017 | | | | | | | | | |
| 4/11/2017 | | | | | 0.37 | | | | <0.08 |
| 4/24/2017 | | | | | | | | | |
| 4/25/2017 | <0.08 | <0.08 | 6.2 | | | | | | |
| 4/26/2017 | | | | <0.08 | 0.38 | 2 | <0.08 | <0.08 | <0.08 |
| 5/17/2017 | | | | | | | | | |
| 6/7/2017 | | | | | | | | | <0.08 |
| 7/11/2017 | | | | | | | | | <0.08 |
| 8/8/2017 | | <0.08 | | | | | | | |
| 8/9/2017 | <0.08 | | 6.3 | | | | | <0.08 | |
| 8/10/2017 | | | | <0.08 | 0.29 | 1.8 | <0.08 | | <0.08 |
| 10/10/2017 | | | | | | | | | |
| 10/11/2017 | <0.08 | <0.08 | 6.8 | | | | | | |
| 10/12/2017 | | | | <0.08 | 0.36 | 1.8 | <0.08 | <0.08 | <0.08 |
| 6/13/2018 | | | | | | | | | |
| 6/14/2018 | <0.08 | <0.08 | 5.4 | <0.08 | 0.39 | 1.7 | <0.08 | <0.08 | <0.08 |
| 9/24/2018 | | | | | | | | | |
| 9/27/2018 | | | | | | | | | |
| 9/28/2018 | | | | | | | | | |
| 10/2/2018 | | | | | | | | | |
| 10/3/2018 | <0.08 | <0.08 | | | | | | | |
| 10/4/2018 | | | 5.5 | <0.08 | 0.37 | 1.9 | <0.08 | <0.08 | <0.08 |
| 4/1/2019 | | | | | | | | | |
| 4/2/2019 | <0.08 | <0.08 | | | | | | | <0.08 |
| 4/3/2019 | | | | <0.08 | 0.35 | 1.7 | <0.08 | <0.08 | |
| 4/4/2019 | | | 3.2 | | | | | | |
| 9/16/2019 | | | | | | | | | |

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-4 (bg) | WGWA-3 (bg) | WGWC-16 | WGWC-11 | WGWC-9 | WGWC-8 | WGWC-12 | WGWC-13 | WGWC-19 |
|-----------|-------------|-------------|---------|---------|--------|--------|-----------|-----------|---------|
| 9/17/2019 | <0.08 | | | | | | | | |
| 9/18/2019 | | <0.08 | 2.1 | | | | | <0.08 | <0.08 |
| 9/19/2019 | | | | <0.08 | 0.39 | 1.7 | <0.08 | | |
| 3/16/2020 | | | | | | | | | |
| 3/17/2020 | <0.08 | <0.08 | | | | | | | |
| 3/18/2020 | | | 2 | <0.08 | | | 0.039 (J) | | |
| 3/19/2020 | | | | | 0.55 | 2.2 | | 0.053 (J) | |
| 5/4/2020 | | | | | | | | | <0.08 |
| 9/21/2020 | <0.08 | <0.08 | | | | | | | |
| 9/22/2020 | | | | | | 2.5 | | | |
| 9/23/2020 | | | 1.5 | | 0.68 | | <0.08 | | <0.08 |
| 9/24/2020 | | | | <0.08 | | | | <0.08 | |
| 3/8/2021 | | | | | | | | | |
| 3/9/2021 | | | | | | | | | |
| 3/10/2021 | <0.08 | <0.08 | | | | | | | |
| 3/11/2021 | | | 1.1 | | | 2.4 | | <0.08 | <0.08 |
| 3/12/2021 | | | | <0.08 | 0.64 | | <0.08 | | |
| 4/7/2021 | | | | | | | | | |
| 4/8/2021 | | | | | | | | | |
| 8/23/2021 | | | | | | | | | |
| 8/24/2021 | <0.08 | | | | | | | | |
| 8/25/2021 | | <0.08 | 0.89 | <0.08 | | | <0.08 | 0.063 (J) | |
| 8/26/2021 | | | | | 0.56 | 2.4 | | | <0.08 |
| 1/11/2022 | | | | | | | | | |
| 1/12/2022 | | | | | | | | | |
| 2/28/2022 | <0.08 | | | | | | | | |
| 3/1/2022 | | <0.08 | | | | | | | |
| 3/3/2022 | | | 0.79 | <0.08 | 0.62 | 2.7 | | <0.08 | <0.08 |
| 3/4/2022 | | | | | | | <0.08 | | |
| 6/6/2022 | | | | | | | | | |
| 6/7/2022 | | | | | | | | | |
| 8/15/2022 | | | | | | | | | |
| 8/16/2022 | <0.08 | <0.08 | | <0.08 | | 2.3 | | | |
| 8/17/2022 | | | 0.73 | | 0.55 | | | | <0.08 |
| 8/18/2022 | | | | | | | <0.08 | <0.08 | |
| 8/19/2022 | | | | | | | | | |
| 2/14/2023 | | <0.08 | | | | | | | |
| 2/15/2023 | <0.08 | | 0.86 | | 0.69 | | | | |
| 2/16/2023 | | | | <0.08 | | 2.8 | 0.024 (J) | 0.033 (J) | <0.08 |

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-14A | WGWC-20 | WGWC-25 | WGWC-21 | WGWC-23 | WGWC-22 | WGWC-24 |
|------------|----------|---------|---------|---------|---------|---------|---------|
| 5/17/2016 | | | | | | | |
| 5/18/2016 | | | | | | | |
| 5/19/2016 | | | | | | | |
| 7/19/2016 | | | | | | | |
| 7/20/2016 | | | | | | | |
| 9/13/2016 | | | | | | | |
| 9/14/2016 | | | | | | | |
| 9/15/2016 | | | | | | | |
| 11/9/2016 | | | | | | | |
| 11/10/2016 | | | | | | | |
| 11/11/2016 | | | | | | | |
| 11/14/2016 | | | | | | | |
| 1/17/2017 | | | | | | | |
| 1/18/2017 | | | | | | | |
| 1/19/2017 | | | | | | | |
| 1/20/2017 | | | | | | | |
| 1/24/2017 | | | | | | | |
| 1/27/2017 | | | | | | | |
| 2/6/2017 | | | | | | | |
| 2/8/2017 | <0.08 | | | | | | |
| 2/9/2017 | | | | | | | |
| 2/23/2017 | <0.08 | | | | | | |
| 3/13/2017 | | | | | | | |
| 3/14/2017 | | | | | | | |
| 3/15/2017 | | | | | | | |
| 3/17/2017 | <0.08 | | | | | | |
| 4/11/2017 | <0.08 | | | | | | |
| 4/24/2017 | | | | | | | |
| 4/25/2017 | | | | | | | |
| 4/26/2017 | <0.08 | | | | | | |
| 5/17/2017 | <0.08 | | | | | | |
| 6/7/2017 | <0.08 | | | | | | |
| 7/11/2017 | <0.08 | | | | | | |
| 8/8/2017 | | | | | | | |
| 8/9/2017 | | | | | | | |
| 8/10/2017 | | | | | | | |
| 10/10/2017 | | | | | | | |
| 10/11/2017 | <0.08 | | | | | | |
| 10/12/2017 | | | | | | | |
| 6/13/2018 | | | | | | | |
| 6/14/2018 | <0.08 | | | | | | |
| 9/24/2018 | | | | | | | |
| 9/27/2018 | | | | | | | |
| 9/28/2018 | | | | | | | |
| 10/2/2018 | | | | | | | |
| 10/3/2018 | | | | | | | |
| 10/4/2018 | <0.08 | | | | | | |
| 4/1/2019 | | | | | | | |
| 4/2/2019 | | | | | | | |
| 4/3/2019 | <0.08 | | | | | | |
| 4/4/2019 | | | | | | | |
| 9/16/2019 | | | | | | | |

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-14A | WGWC-20 | WGWC-25 | WGWC-21 | WGWC-23 | WGWC-22 | WGWC-24 |
|-----------|-----------|---------|---------|---------|-----------|---------|---------|
| 9/17/2019 | | | | | | | |
| 9/18/2019 | <0.08 | | | | | | |
| 9/19/2019 | | | | | | | |
| 3/16/2020 | | | | | | | |
| 3/17/2020 | | | | | | | |
| 3/18/2020 | | | | | | | |
| 3/19/2020 | 0.039 (J) | | | | | | |
| 5/4/2020 | | | | | | | |
| 9/21/2020 | | | | | | | |
| 9/22/2020 | | | | | | | |
| 9/23/2020 | | | | | | | |
| 9/24/2020 | <0.08 | | | | | | |
| 3/8/2021 | | 1.3 | 0.48 | | | | |
| 3/9/2021 | | | | 0.19 | 0.073 (J) | 0.33 | 1.8 |
| 3/10/2021 | | | | | | | |
| 3/11/2021 | <0.08 | | | | | | |
| 3/12/2021 | | | | | | | |
| 4/7/2021 | | | | 0.13 | <0.08 | | 1.9 |
| 4/8/2021 | | 0.98 | 0.43 | | | 0.21 | |
| 8/23/2021 | | | | | | | |
| 8/24/2021 | | | | | | | |
| 8/25/2021 | 0.043 (J) | | | | | | |
| 8/26/2021 | | 2.1 | 0.7 | 0.087 | 0.052 (J) | 0.36 | 2.1 |
| 1/11/2022 | | | 0.87 | 0.12 | 0.048 (J) | 0.39 | 1.7 |
| 1/12/2022 | | 4.9 | | | | | |
| 2/28/2022 | | | | | | | |
| 3/1/2022 | | | | | | | |
| 3/3/2022 | <0.08 | | | 0.12 | | | 1.6 |
| 3/4/2022 | | 4.3 | 0.72 | | <0.08 | 0.41 | |
| 6/6/2022 | | | | 0.13 | <0.08 | | 0.64 |
| 6/7/2022 | | 2.8 | 0.78 | | | 0.39 | |
| 8/15/2022 | | | | | | | |
| 8/16/2022 | | | | 0.099 | | | |
| 8/17/2022 | | | 0.82 | | <0.08 | | |
| 8/18/2022 | | 2.2 | | | | | 0.44 |
| 8/19/2022 | <0.08 | | | | | 0.33 | |
| 2/14/2023 | | | | | | | |
| 2/15/2023 | | | 0.89 | | 0.049 (J) | 0.39 | 1.4 |
| 2/16/2023 | 0.03 (J) | 3.5 | | 0.14 | | | |

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-2 (bg) | WGWA-18 (bg) | WGWC-15 | WGWC-17 | WGWC-10 | WGWA-7 (bg) | WGWA-6 (bg) | WGWA-5 (bg) |
|-----------|-------------|-------------|--------------|---------|---------|---------|-------------|-------------|-------------|
| 9/17/2019 | | 13 | 10 | | | | | | |
| 9/18/2019 | | | | 31 | 5.5 | | 1.5 | | |
| 9/19/2019 | | | | | | 7.5 | | | |
| 3/16/2020 | 1.1 | 10 | | | | | | | |
| 3/17/2020 | | | 10 | | | | 0.82 | 26 | 1.4 |
| 3/18/2020 | | | | 30 | 6.3 | 7.5 | | | |
| 3/19/2020 | | | | | | | | | |
| 5/4/2020 | | | | | | | | | |
| 9/21/2020 | | 13 | | | | | | | |
| 9/22/2020 | 1.2 | | 19 | | | | 0.89 | 25 | 58 |
| 9/23/2020 | | | | 32 | 5.9 | 7.7 | | | |
| 9/24/2020 | | | | | | | | | |
| 3/8/2021 | | | | | | | | | |
| 3/9/2021 | | | | | | | | | |
| 3/10/2021 | | 11 | 7.7 | | | | 0.89 | | 1.3 |
| 3/11/2021 | 1.3 | | | | 5.7 | 7.9 | | 26 | |
| 3/12/2021 | | | | 31 | | | | | |
| 4/7/2021 | | | | | | | | | |
| 4/8/2021 | | | | | | | | | |
| 8/23/2021 | | 13 | | | | | | | |
| 8/24/2021 | 1.2 | | | | | | 1.7 | 26 | 47 |
| 8/25/2021 | | | 16 | | 6 | | | | |
| 8/26/2021 | | | | 31 | | 7.6 | | | |
| 1/11/2022 | | | | | | | | | |
| 1/12/2022 | | | | | | | | | |
| 2/28/2022 | | | | | | | | | |
| 3/1/2022 | 1.1 | 13 | | | | | | 22 | 2.1 |
| 3/3/2022 | | | 6.1 | 28 | | 7.1 | 1.4 | | |
| 3/4/2022 | | | | | 5.3 | | | | |
| 6/6/2022 | | | | | | | | | |
| 6/7/2022 | | | | | | | | | |
| 8/15/2022 | 1.2 | 12 | | | | | | 24 | 51 |
| 8/16/2022 | | | 8.8 | | 5.6 | | 0.94 | | |
| 8/17/2022 | | | | 29 | | | | | |
| 8/18/2022 | | | | | | | | | |
| 8/19/2022 | | | | | | 7.3 | | | |
| 2/14/2023 | 1.4 | 12 | 5.7 | | | | 1.3 | 29 | 1.3 |
| 2/15/2023 | | | | 31 | | | | | |
| 2/16/2023 | | | | | 6 | 6.9 | | | |

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-4 (bg) | WGWA-3 (bg) | WGWC-16 | WGWC-11 | WGWC-9 | WGWC-8 | WGWC-12 | WGWC-13 | WGWC-19 |
|-----------|-------------|-------------|---------|---------|--------|--------|---------|---------|---------|
| 9/17/2019 | 16 | | | | | | | | |
| 9/18/2019 | | 1.6 | 62 | | | | | 4.9 | 8.8 |
| 9/19/2019 | | | | 1.4 | 8.1 | 57 | 14 | | |
| 3/16/2020 | | | | | | | | | |
| 3/17/2020 | 15 | 1.7 | | | | | | | |
| 3/18/2020 | | | 66 | 1.6 | | | 14 | | |
| 3/19/2020 | | | | | 9.3 | 79 | | 5 | |
| 5/4/2020 | | | | | | | | | 15 |
| 9/21/2020 | 16 | 1.8 | | | | | | | |
| 9/22/2020 | | | | | | 81 | | | |
| 9/23/2020 | | | 43 | | 10 | | 13 | | 13 |
| 9/24/2020 | | | | 5.2 | | | | 1.4 | |
| 3/8/2021 | | | | | | | | | |
| 3/9/2021 | | | | | | | | | |
| 3/10/2021 | 16 | 1.9 | | | | | | | |
| 3/11/2021 | | | 32 | | | 83 | | 4 | 15 |
| 3/12/2021 | | | | 1.6 | 11 | | 15 | | |
| 4/7/2021 | | | | | | | | | |
| 4/8/2021 | | | | | | | | | |
| 8/23/2021 | | | | | | | | | |
| 8/24/2021 | 15 | | | | | | | | |
| 8/25/2021 | | 1.7 | 27 | 1.5 | | | 14 | 4 | |
| 8/26/2021 | | | | | 9.3 | 85 | | | 10 |
| 1/11/2022 | | | | | | | | | |
| 1/12/2022 | | | | | | | | | |
| 2/28/2022 | 14 | | | | | | | | |
| 3/1/2022 | | 1.6 | | | | | | | |
| 3/3/2022 | | | 24 | 1.3 | 8.6 | 88 | | 3.4 | 12 |
| 3/4/2022 | | | | | | | 12 | | |
| 6/6/2022 | | | | | | | | | |
| 6/7/2022 | | | | | | | | | |
| 8/15/2022 | | | | | | | | | |
| 8/16/2022 | 16 | 1.8 | | 1.6 | | 83 | | | |
| 8/17/2022 | | | 20 | | 9 | | | | 9.8 |
| 8/18/2022 | | | | | | | 13 | 3.5 | |
| 8/19/2022 | | | | | | | | | |
| 2/14/2023 | | 2 | | | | | | | |
| 2/15/2023 | 18 | | 26 | | 11 | | | | |
| 2/16/2023 | | | | 1.7 | | 92 | 12 | 3.8 | 13 |

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-14A | WGWC-20 | WGWC-25 | WGWC-21 | WGWC-23 | WGWC-22 | WGWC-24 |
|------------|----------|---------|---------|---------|---------|---------|---------|
| 5/17/2016 | | | | | | | |
| 5/18/2016 | | | | | | | |
| 5/19/2016 | | | | | | | |
| 7/19/2016 | | | | | | | |
| 7/20/2016 | | | | | | | |
| 9/13/2016 | | | | | | | |
| 9/14/2016 | | | | | | | |
| 9/15/2016 | | | | | | | |
| 11/9/2016 | | | | | | | |
| 11/10/2016 | | | | | | | |
| 11/11/2016 | | | | | | | |
| 11/14/2016 | | | | | | | |
| 1/17/2017 | | | | | | | |
| 1/18/2017 | | | | | | | |
| 1/19/2017 | | | | | | | |
| 1/20/2017 | | | | | | | |
| 1/24/2017 | | | | | | | |
| 1/27/2017 | | | | | | | |
| 2/6/2017 | | | | | | | |
| 2/8/2017 | 3.2 | | | | | | |
| 2/9/2017 | | | | | | | |
| 2/23/2017 | 4.1 | | | | | | |
| 3/13/2017 | | | | | | | |
| 3/14/2017 | | | | | | | |
| 3/15/2017 | | | | | | | |
| 3/17/2017 | 2.4 | | | | | | |
| 4/11/2017 | 4.1 | | | | | | |
| 4/24/2017 | | | | | | | |
| 4/25/2017 | | | | | | | |
| 4/26/2017 | 2.5 | | | | | | |
| 5/17/2017 | 5.2 | | | | | | |
| 6/7/2017 | 5.2 | | | | | | |
| 7/11/2017 | 2.3 | | | | | | |
| 8/8/2017 | | | | | | | |
| 8/9/2017 | | | | | | | |
| 8/10/2017 | | | | | | | |
| 10/10/2017 | | | | | | | |
| 10/11/2017 | 3.8 | | | | | | |
| 10/12/2017 | | | | | | | |
| 6/13/2018 | | | | | | | |
| 6/14/2018 | 1.1 | | | | | | |
| 9/24/2018 | | | | | | | |
| 9/27/2018 | | | | | | | |
| 9/28/2018 | | | | | | | |
| 10/2/2018 | | | | | | | |
| 10/3/2018 | | | | | | | |
| 10/4/2018 | 2 | | | | | | |
| 4/1/2019 | | | | | | | |
| 4/2/2019 | | | | | | | |
| 4/3/2019 | 0.84 | | | | | | |
| 4/4/2019 | | | | | | | |
| 9/16/2019 | | | | | | | |

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-14A | WGWC-20 | WGWC-25 | WGWC-21 | WGWC-23 | WGWC-22 | WGWC-24 |
|-----------|----------|---------|---------|---------|---------|---------|---------|
| 9/17/2019 | | | | | | | |
| 9/18/2019 | 0.85 | | | | | | |
| 9/19/2019 | | | | | | | |
| 3/16/2020 | | | | | | | |
| 3/17/2020 | | | | | | | |
| 3/18/2020 | | | | | | | |
| 3/19/2020 | 0.89 | | | | | | |
| 5/4/2020 | | | | | | | |
| 9/21/2020 | | | | | | | |
| 9/22/2020 | | | | | | | |
| 9/23/2020 | | | | | | | |
| 9/24/2020 | 0.99 | | | | | | |
| 3/8/2021 | | 90 | 14 | | | | |
| 3/9/2021 | | | | 66 | 3.2 | 15 | 65 |
| 3/10/2021 | | | | | | | |
| 3/11/2021 | 0.79 | | | | | | |
| 3/12/2021 | | | | | | | |
| 4/7/2021 | | | | 67 | 2.7 | | 71 |
| 4/8/2021 | | 88 | 16 | | | 14 | |
| 8/23/2021 | | | | | | | |
| 8/24/2021 | | | | | | | |
| 8/25/2021 | 0.7 | | | | | | |
| 8/26/2021 | | 120 | 16 | 51 | 4.6 | 24 | 69 |
| 1/11/2022 | | | 16 | 57 | 3.1 | 32 | 51 |
| 1/12/2022 | | 220 | | | | | |
| 2/28/2022 | | | | | | | |
| 3/1/2022 | | | | | | | |
| 3/3/2022 | 0.65 | | | 54 | | | 42 |
| 3/4/2022 | | 200 | 16 | | 4 | 31 | |
| 6/6/2022 | | | | 58 | 4.5 | | 22 |
| 6/7/2022 | | 140 | 15 | | | 19 | |
| 8/15/2022 | | | | | | | |
| 8/16/2022 | | | | 55 | | | |
| 8/17/2022 | | | 15 | | 4.6 | | |
| 8/18/2022 | | 110 | | | | | 16 |
| 8/19/2022 | 0.64 | | | | | 18 | |
| 2/14/2023 | | | | | | | |
| 2/15/2023 | | | 18 | | 2.4 | 26 | 39 |
| 2/16/2023 | 0.69 | 190 | | 68 | | | |

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-2 (bg) | WGWA-18 (bg) | WGWC-15 | WGWC-17 | WGWC-10 | WGWA-7 (bg) | WGWA-6 (bg) | WGWA-5 (bg) |
|------------|-------------|-------------|--------------|---------|---------|---------|-------------|-------------|-------------|
| 5/17/2016 | 3.8 | 2.5 | 6.05 | | | | | | |
| 5/18/2016 | | | | 4.59 | 2.72 | 1.45 | 2.06 | 1.58 | 2.14 |
| 5/19/2016 | | | | | | | | | |
| 7/19/2016 | 3.9 | 2.6 | 4 | 5.9 | | | 2.1 | 1.6 | 2.4 |
| 7/20/2016 | | | | | 1.9 | 1.6 | | | |
| 9/13/2016 | 3.6 | 2.4 | 3.1 | | | | 2 | 1.4 | |
| 9/14/2016 | | | | 7.9 | 1.6 | 1.5 | | | 2.1 |
| 9/15/2016 | | | | | | | | | |
| 11/9/2016 | 3.9 | 2.3 | 2.3 | | | | | 1.5 | |
| 11/10/2016 | | | | 6.5 | 1.6 | | 1.8 | | |
| 11/11/2016 | | | | | | 1.5 | | | |
| 11/14/2016 | | | | | | | | | |
| 1/17/2017 | 3.8 | 2.3 | | | | | | | |
| 1/18/2017 | | | | | | | 1.8 | 1.5 | |
| 1/19/2017 | | | 2 | | | | | | 1.8 |
| 1/20/2017 | | | | | 1.5 | | | | |
| 1/24/2017 | | | | 4.1 | | | | | |
| 1/27/2017 | | | | | | | | | |
| 2/6/2017 | | | | | | 1.4 | | | |
| 2/8/2017 | | | | | | | | | |
| 2/9/2017 | | | | | | | | | |
| 2/23/2017 | | | | | | | | | |
| 3/13/2017 | 3.4 | 2.2 | | | | | | | |
| 3/14/2017 | | | 1.9 | 4.4 | 1.5 | | 1.8 | 2.5 | 2 |
| 3/15/2017 | | | | | | 1.4 | | | |
| 3/17/2017 | | | | | | | | | |
| 4/11/2017 | | | | | | | | | |
| 4/24/2017 | 3.4 | 2.2 | | | | | | | |
| 4/25/2017 | | | 1.9 | 4 | 1.8 | | 1.8 | 1.3 | 1.8 |
| 4/26/2017 | | | | | | 1.3 | | | |
| 5/17/2017 | | | | | | | | | |
| 6/7/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 8/8/2017 | 3.6 | 2.3 | 2 | | | | 1.9 | 1.4 | |
| 8/9/2017 | | | | 3.6 | 1.4 | | | | 1.9 |
| 8/10/2017 | | | | | | 1.4 | | | |
| 10/10/2017 | 3.6 | 2.5 | | | | | | | |
| 10/11/2017 | | | 1.9 | 5 | 1.5 | | 1.8 | 1.3 | 2.1 |
| 10/12/2017 | | | | | | 1.3 | | | |
| 6/13/2018 | 3.8 | | 2 | | | | | 1.4 | 1.7 |
| 6/14/2018 | | 2.3 | | 4.3 | 1.5 | 1.3 | 1.7 | | |
| 9/24/2018 | | 2.4 | | | | | | | |
| 9/27/2018 | 4 | | | | | | | | |
| 9/28/2018 | | | 2.1 | | | | | | |
| 10/2/2018 | | | | | | | | 1.4 | |
| 10/3/2018 | | | | 4.8 | | | 1.8 | | 1.8 |
| 10/4/2018 | | | | | 1.5 | 1.3 | | | |
| 4/1/2019 | 4 | 2.4 | | | | | | | |
| 4/2/2019 | | | 2.6 | | | | 1.9 | 1.5 | 1.7 |
| 4/3/2019 | | | | | | | | | |
| 4/4/2019 | | | | 3.7 | 1.4 | 1.4 | | | |
| 9/16/2019 | 4 | | | | | | 1.5 | | 1.8 |

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-2 (bg) | WGWA-18 (bg) | WGWC-15 | WGWC-17 | WGWC-10 | WGWA-7 (bg) | WGWA-6 (bg) | WGWA-5 (bg) |
|-----------|-------------|-------------|--------------|---------|---------|---------|-------------|-------------|-------------|
| 9/17/2019 | | 2.4 | 2 | | | | | | |
| 9/18/2019 | | | | 3.2 | 1.5 | | 2 | | |
| 9/19/2019 | | | | | | 1.5 | | | |
| 3/16/2020 | 4.3 | 2.7 | | | | | | | |
| 3/17/2020 | | | 2.3 | | | | 2.2 | 1.7 | 1.6 |
| 3/18/2020 | | | | 1.7 | 1.5 | 1.5 | | | |
| 3/19/2020 | | | | | | | | | |
| 5/4/2020 | | | | | | | | | |
| 9/21/2020 | | 2.5 | | | | | | | |
| 9/22/2020 | 4 | | 2.1 | | | | 1.8 | 1.4 | 1.5 |
| 9/23/2020 | | | | 1.5 | 1.2 | 1.3 | | | |
| 9/24/2020 | | | | | | | | | |
| 3/8/2021 | | | | | | | | | |
| 3/9/2021 | | | | | | | | | |
| 3/10/2021 | | 2.6 | 1.9 | | | | 1.9 | | 1.8 |
| 3/11/2021 | 4.5 | | | | 1.3 | 1.7 | | 1.5 | |
| 3/12/2021 | | | | 1.6 | | | | | |
| 4/7/2021 | | | | | | | | | |
| 4/8/2021 | | | | | | | | | |
| 8/23/2021 | | 3.3 | | | | | | | |
| 8/24/2021 | 5.1 | | | | | | 1.9 | 1.8 | 2.1 |
| 8/25/2021 | | | 2.3 | | 1.6 | | | | |
| 8/26/2021 | | | | 1.4 | | 1.6 | | | |
| 1/11/2022 | | | | | | | | | |
| 1/12/2022 | | | | | | | | | |
| 2/28/2022 | | | | | | | | | |
| 3/1/2022 | 4.1 | 2.7 | | | | | | 1.5 | 1.5 |
| 3/3/2022 | | | 2 | 1.4 | | 1.6 | 2.1 | | |
| 3/4/2022 | | | | | 1.3 | | | | |
| 6/6/2022 | | | | | | | | | |
| 6/7/2022 | | | | | | | | | |
| 8/15/2022 | 4 | 2.7 | | | | | | 1.5 | 1.5 |
| 8/16/2022 | | | 1.9 | | 1.3 | | 1.9 | | |
| 8/17/2022 | | | | 1.2 | | | | | |
| 8/18/2022 | | | | | | | | | |
| 8/19/2022 | | | | | | 1.4 | | | |
| 2/14/2023 | 3.9 | 2.6 | 1.9 | | | | 1.8 | 1.5 | 1.3 |
| 2/15/2023 | | | | 1 | | | | | |
| 2/16/2023 | | | | | 1.2 | 1.3 | | | |

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-4 (bg) | WGWA-3 (bg) | WGWC-16 | WGWC-11 | WGWC-9 | WGWC-8 | WGWC-12 | WGWC-13 | WGWC-19 |
|-----------|-------------|-------------|---------|---------|--------|--------|---------|----------|---------|
| 9/17/2019 | 1.2 | | | | | | | | |
| 9/18/2019 | | 1.7 | 100 | | | | | 1.2 | 2.7 |
| 9/19/2019 | | | | 3.2 | 1.5 | 70 | 3.2 | | |
| 3/16/2020 | | | | | | | | | |
| 3/17/2020 | 1.4 | 1.8 | | | | | | | |
| 3/18/2020 | | | 93 | 3.2 | | | 3.2 | | |
| 3/19/2020 | | | | | 2.1 | 98 | | 1.3 | |
| 5/4/2020 | | | | | | | | | 2.8 |
| 9/21/2020 | 1.2 | 1.5 | | | | | | | |
| 9/22/2020 | | | | | | 100 | | | |
| 9/23/2020 | | | 58 | | 2.4 | | 2.8 | | 2.6 |
| 9/24/2020 | | | | 1 | | | | 1.6 | |
| 3/8/2021 | | | | | | | | | |
| 3/9/2021 | | | | | | | | | |
| 3/10/2021 | 1.2 | 1.8 | | | | | | | |
| 3/11/2021 | | | 49 | | | 110 | | 1.2 | 2.9 |
| 3/12/2021 | | | | 3.6 | 3.4 | | 3.5 | | |
| 4/7/2021 | | | | | | | | | |
| 4/8/2021 | | | | | | | | | |
| 8/23/2021 | | | | | | | | | |
| 8/24/2021 | 1.5 | | | | | | | | |
| 8/25/2021 | | 1.9 | 45 | 3.5 | | | 3.7 | 1.2 | |
| 8/26/2021 | | | | | 3.1 | 110 | | | 3.3 |
| 1/11/2022 | | | | | | | | | |
| 1/12/2022 | | | | | | | | | |
| 2/28/2022 | 1.2 | | | | | | | | |
| 3/1/2022 | | 1.8 | | | | | | | |
| 3/3/2022 | | | 42 | 3.6 | 3.5 | 130 | | 1 | 3.2 |
| 3/4/2022 | | | | | | | 3.2 | | |
| 6/6/2022 | | | | | | | | | |
| 6/7/2022 | | | | | | | | | |
| 8/15/2022 | | | | | | | | | |
| 8/16/2022 | 1.2 | 1.6 | | 3.5 | | 110 | | | |
| 8/17/2022 | | | 35 | | 3.2 | | | | 2.8 |
| 8/18/2022 | | | | | | | 3 | 0.98 (J) | |
| 8/19/2022 | | | | | | | | | |
| 2/14/2023 | | 1.6 | | | | | | | |
| 2/15/2023 | 1.2 | | 42 | | 3.9 | | | | |
| 2/16/2023 | | | | 3.3 | | 120 | 2.9 | 0.97 (J) | 2.6 |

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-14A | WGWC-20 | WGWC-25 | WGWC-21 | WGWC-23 | WGWC-22 | WGWC-24 |
|------------|----------|---------|---------|---------|---------|---------|---------|
| 5/17/2016 | | | | | | | |
| 5/18/2016 | | | | | | | |
| 5/19/2016 | | | | | | | |
| 7/19/2016 | | | | | | | |
| 7/20/2016 | | | | | | | |
| 9/13/2016 | | | | | | | |
| 9/14/2016 | | | | | | | |
| 9/15/2016 | | | | | | | |
| 11/9/2016 | | | | | | | |
| 11/10/2016 | | | | | | | |
| 11/11/2016 | | | | | | | |
| 11/14/2016 | | | | | | | |
| 1/17/2017 | | | | | | | |
| 1/18/2017 | | | | | | | |
| 1/19/2017 | | | | | | | |
| 1/20/2017 | | | | | | | |
| 1/24/2017 | | | | | | | |
| 1/27/2017 | | | | | | | |
| 2/6/2017 | | | | | | | |
| 2/8/2017 | 2.5 | | | | | | |
| 2/9/2017 | | | | | | | |
| 2/23/2017 | 4.3 | | | | | | |
| 3/13/2017 | | | | | | | |
| 3/14/2017 | | | | | | | |
| 3/15/2017 | | | | | | | |
| 3/17/2017 | 4.8 | | | | | | |
| 4/11/2017 | 3.8 | | | | | | |
| 4/24/2017 | | | | | | | |
| 4/25/2017 | | | | | | | |
| 4/26/2017 | 4.8 | | | | | | |
| 5/17/2017 | 3.9 | | | | | | |
| 6/7/2017 | 3.2 | | | | | | |
| 7/11/2017 | 4.1 | | | | | | |
| 8/8/2017 | | | | | | | |
| 8/9/2017 | | | | | | | |
| 8/10/2017 | | | | | | | |
| 10/10/2017 | | | | | | | |
| 10/11/2017 | 2.2 | | | | | | |
| 10/12/2017 | | | | | | | |
| 6/13/2018 | | | | | | | |
| 6/14/2018 | 2.8 | | | | | | |
| 9/24/2018 | | | | | | | |
| 9/27/2018 | | | | | | | |
| 9/28/2018 | | | | | | | |
| 10/2/2018 | | | | | | | |
| 10/3/2018 | | | | | | | |
| 10/4/2018 | 2.2 | | | | | | |
| 4/1/2019 | | | | | | | |
| 4/2/2019 | | | | | | | |
| 4/3/2019 | 2.4 | | | | | | |
| 4/4/2019 | | | | | | | |
| 9/16/2019 | | | | | | | |

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-14A | WGWC-20 | WGWC-25 | WGWC-21 | WGWC-23 | WGWC-22 | WGWC-24 |
|-----------|----------|---------|---------|---------|---------|---------|---------|
| 9/17/2019 | | | | | | | |
| 9/18/2019 | 2.2 | | | | | | |
| 9/19/2019 | | | | | | | |
| 3/16/2020 | | | | | | | |
| 3/17/2020 | | | | | | | |
| 3/18/2020 | | | | | | | |
| 3/19/2020 | 1.9 | | | | | | |
| 5/4/2020 | | | | | | | |
| 9/21/2020 | | | | | | | |
| 9/22/2020 | | | | | | | |
| 9/23/2020 | | | | | | | |
| 9/24/2020 | 3.1 | | | | | | |
| 3/8/2021 | | 70 | 74 | | | | |
| 3/9/2021 | | | | 58 | 3.5 | 2.9 | 110 |
| 3/10/2021 | | | | | | | |
| 3/11/2021 | 2.6 | | | | | | |
| 3/12/2021 | | | | | | | |
| 4/7/2021 | | | | 50 | 3.7 | | 110 |
| 4/8/2021 | | 57 | 77 | | | 2.4 | |
| 8/23/2021 | | | | | | | |
| 8/24/2021 | | | | | | | |
| 8/25/2021 | 2.8 | | | | | | |
| 8/26/2021 | | 130 | 79 | 47 | 3.3 | 4.2 | 100 |
| 1/11/2022 | | | 75 | 44 | 2.9 | 5.1 | 60 |
| 1/12/2022 | | 350 | | | | | |
| 2/28/2022 | | | | | | | |
| 3/1/2022 | | | | | | | |
| 3/3/2022 | 2.4 | | | 45 | | | 50 |
| 3/4/2022 | | 330 | 79 | | 2.9 | 5.3 | |
| 6/6/2022 | | | | 48 | 3.1 | | 41 |
| 6/7/2022 | | 180 | 79 | | | 4.3 | |
| 8/15/2022 | | | | | | | |
| 8/16/2022 | | | | 41 | | | |
| 8/17/2022 | | | 77 | | 3.2 | | |
| 8/18/2022 | | 140 | | | | | 27 |
| 8/19/2022 | 2.1 | | | | | 4.2 | |
| 2/14/2023 | | | | | | | |
| 2/15/2023 | | | 79 | | 2.9 | 4.6 | 39 |
| 2/16/2023 | 1.9 | 230 | | 51 | | | |

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-2 (bg) | WGWA-18 (bg) | WGWC-10 | WGWA-7 (bg) | WGWC-15 | WGWA-6 (bg) | WGWC-16 | WGWC-17 |
|------------|-------------|-------------|--------------|----------|-------------|---------|-------------|----------|-----------|
| 5/17/2016 | 0.0131 (J) | 0.0538 (J) | 0.284 (J) | | | | | | |
| 5/18/2016 | | | | 0.206 | 0.018 (J) | 0.779 | 0.106 (J) | 0.1 (J) | 0.121 (J) |
| 5/19/2016 | | | | | | | | | |
| 7/19/2016 | <0.1 | <0.1 | 0.21 | | <0.1 | 0.97 | 0.11 (J) | 0.14 (J) | |
| 7/20/2016 | | | | 0.23 | | | | | 0.16 (J) |
| 9/13/2016 | <0.1 | <0.1 | 0.15 (J) | | <0.1 | | 0.11 (J) | | |
| 9/14/2016 | | | | 0.17 (J) | | 0.89 | | 0.18 (J) | 0.19 (J) |
| 9/15/2016 | | | | | | | | | |
| 11/9/2016 | <0.1 | 0.085 (J) | <0.1 | | | | 0.1 (J) | | |
| 11/10/2016 | | | | | <0.1 | 0.88 | | 0.11 (J) | 0.15 (J) |
| 11/11/2016 | | | | 0.14 (J) | | | | | |
| 11/14/2016 | | | | | | | | | |
| 1/17/2017 | <0.1 | <0.1 | | | | | | | |
| 1/18/2017 | | | | | <0.1 | | 0.11 (J) | | |
| 1/19/2017 | | | 0.087 (J) | | | | | | |
| 1/20/2017 | | | | | | | | | 0.18 (J) |
| 1/24/2017 | | | | | | 0.92 | | 0.15 (J) | |
| 1/27/2017 | | | | | | | | | |
| 2/6/2017 | | | | 0.15 (J) | | | | | |
| 2/8/2017 | | | | | | | | | |
| 2/9/2017 | | | | | | | | | |
| 2/23/2017 | | | | | | | | | |
| 3/13/2017 | <0.1 | <0.1 | | | | | | | |
| 3/14/2017 | | | <0.1 | | <0.1 | 0.77 | <0.1 | | 0.11 (J) |
| 3/15/2017 | | | | 0.16 (J) | | | | 0.1 (J) | |
| 3/17/2017 | | | | | | | | | |
| 4/11/2017 | | | | | | | | | |
| 4/24/2017 | <0.1 | <0.1 | | | | | | | |
| 4/25/2017 | | | <0.1 | | <0.1 | 0.95 | <0.1 | 0.13 (J) | 0.13 (J) |
| 4/26/2017 | | | | 0.17 (J) | | | | | |
| 5/17/2017 | | | | | | | | | |
| 6/7/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 8/8/2017 | <0.1 | <0.1 | 0.087 (J) | | <0.1 | | 0.099 (J) | | |
| 8/9/2017 | | | | | | 0.91 | | 0.18 (J) | 0.19 (J) |
| 8/10/2017 | | | | 0.2 | | | | | |
| 10/10/2017 | <0.1 | 0.18 (J) | | | | | | | |
| 10/11/2017 | | | 0.09 (J) | | <0.1 | 0.88 | 0.098 (J) | <0.1 | 0.14 (J) |
| 10/12/2017 | | | | 0.14 (J) | | | | | |
| 3/27/2018 | <0.1 | <0.1 | | | | | | | |
| 3/28/2018 | | | 0.11 (J) | | <0.1 | | 0.088 (J) | | |
| 3/29/2018 | | | | | | | | 0.13 (J) | |
| 3/30/2018 | | | | 0.13 (J) | | 0.79 | | | 0.095 (J) |
| 6/13/2018 | <0.1 | | 0.085 (J) | | | | 0.093 (J) | | |
| 6/14/2018 | | <0.1 | | 0.15 (J) | <0.1 | 0.79 | | <0.1 | 0.11 (J) |
| 9/24/2018 | | <0.1 | | | | | | | |
| 9/27/2018 | <0.1 | | | | | | | | |
| 9/28/2018 | | | 0.082 (J) | | | | | | |
| 10/2/2018 | | | | | | | 0.13 (J) | | |
| 10/3/2018 | | | | | <0.1 | 0.79 | | | |
| 10/4/2018 | | | | 0.18 (J) | | | | 0.85 (J) | 0.11 (J) |
| 2/25/2019 | <0.1 | 0.032 (J) | | | | | | | |

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-2 (bg) | WGWA-18 (bg) | WGWC-10 | WGWA-7 (bg) | WGWC-15 | WGWA-6 (bg) | WGWC-16 | WGWC-17 |
|-----------|-------------|-------------|--------------|-----------|-------------|---------|-------------|-----------|-----------|
| 2/26/2019 | | | 0.23 | | <0.1 | | 0.074 (J) | | 0.068 (J) |
| 2/27/2019 | | | | 0.21 | | 0.81 | | 0.47 | |
| 2/28/2019 | | | | | | | | | |
| 4/1/2019 | <0.1 | 0.061 (J) | | | | | | | |
| 4/2/2019 | | | 0.21 | | <0.1 | | 0.09 (J) | | |
| 4/3/2019 | | | | | | | | | |
| 4/4/2019 | | | | 0.13 (J) | | 0.78 | | 0.08 (J) | 0.087 (J) |
| 9/16/2019 | 0.03 (J) | | | | | | 0.1 (J) | | |
| 9/17/2019 | | 0.061 (J) | 0.079 (J) | | | | | | |
| 9/18/2019 | | | | | 0.027 (J) | 0.81 | | 0.058 (J) | 0.066 (J) |
| 9/19/2019 | | | | 0.13 (J) | | | | | |
| 2/3/2020 | 0.032 (J) | 0.061 (J) | | | | | | | |
| 2/4/2020 | | | | | | | 0.13 | | |
| 2/5/2020 | | | 0.12 | 0.14 | 0.026 (J) | | | | |
| 2/7/2020 | | | | | | 0.79 | | 0.072 (J) | 0.079 (J) |
| 3/16/2020 | 0.042 (J) | 0.052 (J) | | | | | | | |
| 3/17/2020 | | | <0.1 | | 0.044 (J) | | 0.037 (J) | | |
| 3/18/2020 | | | | 0.052 (J) | | 0.71 | | 0.084 (J) | <0.1 |
| 3/19/2020 | | | | | | | | | |
| 5/4/2020 | | | | | | | | | |
| 9/21/2020 | | 0.037 (J) | | | | | | | |
| 9/22/2020 | <0.1 | | 0.1 | | <0.1 | | 0.068 (J) | | |
| 9/23/2020 | | | | 0.09 (J) | | 0.63 | | 0.049 (J) | 0.05 (J) |
| 9/24/2020 | | | | | | | | | |
| 2/2/2021 | 0.028 (J) | 0.065 (J) | 0.071 (J) | | <0.1 | | | | |
| 2/3/2021 | | | | | | | 0.088 (J) | | |
| 2/4/2021 | | | | 0.12 | | 0.69 | | 0.052 (J) | 0.064 (J) |
| 3/8/2021 | | | | | | | | | |
| 3/9/2021 | | | | | | | | | |
| 3/10/2021 | | 0.045 (J) | 0.046 (J) | | <0.1 | | | | |
| 3/11/2021 | <0.1 | | | 0.15 | | | 0.092 (J) | 0.061 (J) | 0.05 (J) |
| 3/12/2021 | | | | | | 0.88 | | | |
| 4/7/2021 | | | | | | | | | |
| 4/8/2021 | | | | | | | | | |
| 8/23/2021 | | 0.097 (J) | | | | | | | |
| 8/24/2021 | 0.062 (J) | | | | 0.054 (J) | | 0.16 | | |
| 8/25/2021 | | | 0.13 | | | | | 0.099 (J) | 0.093 (J) |
| 8/26/2021 | | | | 0.16 | | 0.77 | | | |
| 1/11/2022 | | | | | | | | | |
| 1/12/2022 | | | | | | | | | |
| 2/28/2022 | | | | | | | | | |
| 3/1/2022 | <0.1 | 0.058 (J) | | | | | 0.063 (J) | | |
| 3/3/2022 | | | 0.078 (J) | 0.067 (J) | 0.038 (J) | 0.88 | | 0.067 (J) | |
| 3/4/2022 | | | | | | | | | 0.06 (J) |
| 6/6/2022 | | | | | | | | | |
| 6/7/2022 | | | | | | | | | |
| 8/15/2022 | <0.1 | 0.057 (J) | | | | | 0.093 (J) | | |
| 8/16/2022 | | | 0.06 (J) | | <0.1 | | | | 0.06 (J) |
| 8/17/2022 | | | | | | 0.68 | | 0.062 (J) | |
| 8/18/2022 | | | | | | | | | |
| 8/19/2022 | | | | 0.1 | | | | | |
| 2/14/2023 | <0.1 | 0.07 (J) | 0.053 (J) | | <0.1 | | 0.11 | | |

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-2 (bg) | WGWA-18 (bg) | WGWC-10 | WGWA-7 (bg) | WGWC-15 | WGWA-6 (bg) | WGWC-16 | WGWC-17 |
|-----------|-------------|-------------|--------------|---------|-------------|---------|-------------|-----------|-----------|
| 2/15/2023 | | | | | | 0.73 | | 0.076 (J) | |
| 2/16/2023 | | | | 0.11 | | | | | 0.069 (J) |

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-4 (bg) | WGWA-3 (bg) | WGWA-5 (bg) | WGWC-8 | WGWC-9 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-19 |
|------------|-------------|-------------|-------------|--------|--------|-----------|-----------|---------|---------|
| 5/17/2016 | | | | | | | | | |
| 5/18/2016 | 0.164 (J) | 0.029 (J) | 0.014 (J) | | | | | | |
| 5/19/2016 | | | | 0.304 | 1.58 | 0.039 (J) | 0.12 (J) | 0.384 | |
| 7/19/2016 | | | <0.1 | | | | | | |
| 7/20/2016 | 0.17 (J) | <0.1 | | 0.27 | 2 | <0.1 | 0.11 (J) | 0.34 | |
| 9/13/2016 | 0.15 (J) | <0.1 | | | | | | | |
| 9/14/2016 | | | 0.095 (J) | | 1.8 | <0.1 | 0.095 (J) | 0.31 | |
| 9/15/2016 | | | | 0.24 | | | | | |
| 11/9/2016 | | | | | | | | | |
| 11/10/2016 | 0.12 (J) | <0.1 | | | | | | 0.26 | |
| 11/11/2016 | | | | | | <0.1 | <0.1 | | 0.32 |
| 11/14/2016 | | | | 0.2 | | | | | |
| 1/17/2017 | | | | | | | | | |
| 1/18/2017 | 0.15 (J) | <0.1 | | | | | | | |
| 1/19/2017 | | | <0.1 | | | | | | |
| 1/20/2017 | | | | | | | | | |
| 1/24/2017 | | | | | | | | | |
| 1/27/2017 | | | | | | <0.1 | <0.1 | 0.28 | |
| 2/6/2017 | | | | 0.27 | | | | | 0.45 |
| 2/8/2017 | | | | | | | | | |
| 2/9/2017 | | | | | 1.3 | | | | |
| 2/23/2017 | | | | | | | | | |
| 3/13/2017 | | | | | | | | | |
| 3/14/2017 | 0.13 (J) | <0.1 | <0.1 | | | | | | |
| 3/15/2017 | | | | 0.25 | 1.3 | <0.1 | <0.1 | 0.3 | 0.37 |
| 3/17/2017 | | | | | | | | | |
| 4/11/2017 | | | | | 1.4 | | | | 0.37 |
| 4/24/2017 | | | | | | | | | |
| 4/25/2017 | 0.12 (J) | <0.1 | <0.1 | | | | | | |
| 4/26/2017 | | | | 0.31 | 1.5 | <0.1 | <0.1 | 0.33 | 0.4 |
| 5/17/2017 | | | | | | | | | |
| 6/7/2017 | | | | | | | | | 0.35 |
| 7/11/2017 | | | | | | | | | 0.39 |
| 8/8/2017 | | <0.1 | | | | | | | |
| 8/9/2017 | 0.14 (J) | | <0.1 | | | | | 0.32 | |
| 8/10/2017 | | | | 0.37 | 1.6 | <0.1 | 0.11 (J) | | 0.42 |
| 10/10/2017 | | | | | | | | | |
| 10/11/2017 | 0.14 (J) | <0.1 | <0.1 | | | | | | |
| 10/12/2017 | | | | 0.35 | 1.5 | <0.1 | 0.091 (J) | 0.28 | 0.36 |
| 3/27/2018 | | | | | | | | | |
| 3/28/2018 | 0.12 (J) | <0.1 | <0.1 | | | | | | |
| 3/29/2018 | | | | 0.36 | 1.4 | <0.1 | 0.089 (J) | 0.27 | 0.34 |
| 3/30/2018 | | | | | | | | | |
| 6/13/2018 | | | <0.1 | | | | | | |
| 6/14/2018 | 0.12 (J) | <0.1 | | 0.56 | 1.4 | <0.1 | 0.1 (J) | 0.27 | 0.35 |
| 9/24/2018 | | | | | | | | | |
| 9/27/2018 | | | | | | | | | |
| 9/28/2018 | | | | | | | | | |
| 10/2/2018 | | | | | | | | | |
| 10/3/2018 | 0.13 (J) | <0.1 | <0.1 | | | | | | |
| 10/4/2018 | | | | 0.27 | 1.4 | <0.1 | 0.12 (J) | 0.23 | 0.35 |
| 2/25/2019 | | | | | | | | | |

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-4 (bg) | WGWA-3 (bg) | WGWA-5 (bg) | WGWC-8 | WGWC-9 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-19 |
|-----------|-------------|-------------|-------------|-----------|--------|-----------|-----------|---------|---------|
| 2/26/2019 | 0.14 (J) | <0.1 | <0.1 | | | | | | |
| 2/27/2019 | | | | 0.054 (J) | | 0.047 (J) | 0.06 (J) | 0.25 | |
| 2/28/2019 | | | | | 1.4 | | | | 0.28 |
| 4/1/2019 | | | | | | | | | |
| 4/2/2019 | 0.14 (J) | 0.039 (J) | <0.1 | | | | | | 0.33 |
| 4/3/2019 | | | | 0.5 | 1.3 | 0.048 (J) | 0.084 (J) | 0.24 | |
| 4/4/2019 | | | | | | | | | |
| 9/16/2019 | | | <0.1 | | | | | | |
| 9/17/2019 | 0.14 (J) | | | | | | | | |
| 9/18/2019 | | 0.033 (J) | | | | | | 0.22 | 0.32 |
| 9/19/2019 | | | | 0.42 | 1.3 | 0.037 (J) | 0.093 (J) | | |
| 2/3/2020 | | | | | | | | | |
| 2/4/2020 | 0.13 | 0.031 (J) | <0.1 | | | | | | |
| 2/5/2020 | | | | | 1.3 | 0.045 (J) | 0.098 (J) | 0.2 | |
| 2/7/2020 | | | | 0.25 | | | | | 0.35 |
| 3/16/2020 | | | | | | | | | |
| 3/17/2020 | 0.11 | 0.04 (J) | <0.1 | | | | | | |
| 3/18/2020 | | | | | | <0.1 | 0.033 (J) | | |
| 3/19/2020 | | | | 0.057 (J) | 1 | | | 0.15 | |
| 5/4/2020 | | | | | | | | | 0.36 |
| 9/21/2020 | 0.091 (J) | <0.1 | | | | | | | |
| 9/22/2020 | | | <0.1 | 0.14 | | | | | |
| 9/23/2020 | | | | | 0.82 | | 0.064 (J) | | 0.25 |
| 9/24/2020 | | | | | | 0.18 | | <0.1 | |
| 2/2/2021 | 0.15 | 0.035 (J) | | | | | | | |
| 2/3/2021 | | | <0.1 | 0.15 | | 0.027 (J) | 0.082 (J) | | 0.3 |
| 2/4/2021 | | | | | 0.91 | | | 0.16 | |
| 3/8/2021 | | | | | | | | | |
| 3/9/2021 | | | | | | | | | |
| 3/10/2021 | 0.12 | <0.1 | <0.1 | | | | | | |
| 3/11/2021 | | | | 0.16 | | | | 0.18 | 0.31 |
| 3/12/2021 | | | | | 0.98 | 0.044 (J) | 0.096 (J) | | |
| 4/7/2021 | | | | | | | | | |
| 4/8/2021 | | | | | | | | | |
| 8/23/2021 | | | | | | | | | |
| 8/24/2021 | 0.17 | | 0.073 (J) | | | | | | |
| 8/25/2021 | | 0.077 (J) | | | | 0.056 (J) | 0.14 | 0.2 | |
| 8/26/2021 | | | | 0.21 | 1 | | | | 0.38 |
| 1/11/2022 | | | | | | | | | |
| 1/12/2022 | | | | | | | | | |
| 2/28/2022 | 0.083 (J) | | | | | | | | |
| 3/1/2022 | | <0.1 | <0.1 | | | | | | |
| 3/3/2022 | | | | 0.19 | 1 | 0.055 (J) | | 0.21 | 0.4 |
| 3/4/2022 | | | | | | | 0.068 (J) | | |
| 6/6/2022 | | | | | | | | | |
| 6/7/2022 | | | | | | | | | |
| 8/15/2022 | | | <0.1 | | | | | | |
| 8/16/2022 | 0.12 | <0.1 | | 0.21 | | <0.1 | | | |
| 8/17/2022 | | | | | 0.9 | | | | 0.28 |
| 8/18/2022 | | | | | | | 0.073 (J) | 0.14 | |
| 8/19/2022 | | | | | | | | | |
| 2/14/2023 | | 0.041 (J) | <0.1 | | | | | | |

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-4 (bg) | WGWA-3 (bg) | WGWA-5 (bg) | WGWC-8 | WGWC-9 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-19 |
|-----------|-------------|-------------|-------------|--------|--------|-----------|-----------|---------|---------|
| 2/15/2023 | 0.14 | | | | 0.85 | | | | |
| 2/16/2023 | | | | 0.14 | | 0.041 (J) | 0.089 (J) | 0.15 | 0.33 |

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-14A | WGWC-25 | WGWC-20 | WGWC-22 | WGWC-21 | WGWC-23 | WGWC-24 |
|------------|----------|---------|---------|---------|---------|---------|---------|
| 5/17/2016 | | | | | | | |
| 5/18/2016 | | | | | | | |
| 5/19/2016 | | | | | | | |
| 7/19/2016 | | | | | | | |
| 7/20/2016 | | | | | | | |
| 9/13/2016 | | | | | | | |
| 9/14/2016 | | | | | | | |
| 9/15/2016 | | | | | | | |
| 11/9/2016 | | | | | | | |
| 11/10/2016 | | | | | | | |
| 11/11/2016 | | | | | | | |
| 11/14/2016 | | | | | | | |
| 1/17/2017 | | | | | | | |
| 1/18/2017 | | | | | | | |
| 1/19/2017 | | | | | | | |
| 1/20/2017 | | | | | | | |
| 1/24/2017 | | | | | | | |
| 1/27/2017 | | | | | | | |
| 2/6/2017 | | | | | | | |
| 2/8/2017 | <0.1 | | | | | | |
| 2/9/2017 | | | | | | | |
| 2/23/2017 | <0.1 | | | | | | |
| 3/13/2017 | | | | | | | |
| 3/14/2017 | | | | | | | |
| 3/15/2017 | | | | | | | |
| 3/17/2017 | <0.1 | | | | | | |
| 4/11/2017 | <0.1 | | | | | | |
| 4/24/2017 | | | | | | | |
| 4/25/2017 | | | | | | | |
| 4/26/2017 | <0.1 | | | | | | |
| 5/17/2017 | <0.1 | | | | | | |
| 6/7/2017 | <0.1 | | | | | | |
| 7/11/2017 | <0.1 | | | | | | |
| 8/8/2017 | | | | | | | |
| 8/9/2017 | | | | | | | |
| 8/10/2017 | | | | | | | |
| 10/10/2017 | | | | | | | |
| 10/11/2017 | <0.1 | | | | | | |
| 10/12/2017 | | | | | | | |
| 3/27/2018 | | | | | | | |
| 3/28/2018 | | | | | | | |
| 3/29/2018 | <0.1 | | | | | | |
| 3/30/2018 | | | | | | | |
| 6/13/2018 | | | | | | | |
| 6/14/2018 | <0.1 | | | | | | |
| 9/24/2018 | | | | | | | |
| 9/27/2018 | | | | | | | |
| 9/28/2018 | | | | | | | |
| 10/2/2018 | | | | | | | |
| 10/3/2018 | | | | | | | |
| 10/4/2018 | <0.1 | | | | | | |
| 2/25/2019 | | | | | | | |

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-14A | WGWC-25 | WGWC-20 | WGWC-22 | WGWC-21 | WGWC-23 | WGWC-24 |
|-----------|-----------|-----------|---------|---------|---------|-----------|---------|
| 2/26/2019 | | | | | | | |
| 2/27/2019 | <0.1 | | | | | | |
| 2/28/2019 | | | | | | | |
| 4/1/2019 | | | | | | | |
| 4/2/2019 | | | | | | | |
| 4/3/2019 | 0.048 (J) | | | | | | |
| 4/4/2019 | | | | | | | |
| 9/16/2019 | | | | | | | |
| 9/17/2019 | | | | | | | |
| 9/18/2019 | 0.035 (J) | | | | | | |
| 9/19/2019 | | | | | | | |
| 2/3/2020 | | | | | | | |
| 2/4/2020 | | | | | | | |
| 2/5/2020 | 0.04 (J) | | | | | | |
| 2/7/2020 | | | | | | | |
| 3/16/2020 | | | | | | | |
| 3/17/2020 | | | | | | | |
| 3/18/2020 | | | | | | | |
| 3/19/2020 | <0.1 | | | | | | |
| 5/4/2020 | | | | | | | |
| 9/21/2020 | | | | | | | |
| 9/22/2020 | | | | | | | |
| 9/23/2020 | | | | | | | |
| 9/24/2020 | 0.028 (J) | | | | | | |
| 2/2/2021 | | | | | | | |
| 2/3/2021 | | | | | | | |
| 2/4/2021 | 0.033 (J) | | | | | | |
| 3/8/2021 | | <0.1 | 1.8 | | | | |
| 3/9/2021 | | | | 1.1 | 1.7 | 0.092 (J) | 1 |
| 3/10/2021 | | | | | | | |
| 3/11/2021 | 0.04 (J) | | | | | | |
| 3/12/2021 | | | | | | | |
| 4/7/2021 | | | | | 1.6 | 0.093 (J) | 1.1 |
| 4/8/2021 | | 0.028 (J) | 1.7 | 1.4 | | | |
| 8/23/2021 | | | | | | | |
| 8/24/2021 | | | | | | | |
| 8/25/2021 | 0.071 (J) | | | | | | |
| 8/26/2021 | | 0.047 (J) | 2 | 0.51 | 2 | 0.081 (J) | 1.2 |
| 1/11/2022 | | 0.028 (J) | | 0.45 | 1.9 | 0.045 (J) | 1 |
| 1/12/2022 | | | 1.8 | | | | |
| 2/28/2022 | | | | | | | |
| 3/1/2022 | | | | | | | |
| 3/3/2022 | 0.057 (J) | | | | 1.8 | | 0.71 |
| 3/4/2022 | | 0.038 (J) | 2 | 0.42 | | 0.045 (J) | |
| 6/6/2022 | | | | | 1.9 | 0.028 (J) | 0.43 |
| 6/7/2022 | | <0.1 | 2.5 | 0.37 | | | |
| 8/15/2022 | | | | | | | |
| 8/16/2022 | | | | | 1.8 | | |
| 8/17/2022 | | <0.1 | | | | 0.043 (J) | |
| 8/18/2022 | | | 2 | | | | 0.24 |
| 8/19/2022 | <0.1 | | | 0.31 | | | |
| 2/14/2023 | | | | | | | |

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-14A | WGWC-25 | WGWC-20 | WGWC-22 | WGWC-21 | WGWC-23 | WGWC-24 |
|-----------|----------|---------|---------|---------|---------|-----------|---------|
| 2/15/2023 | | <0.1 | | 0.31 | | 0.048 (J) | 0.63 |
| 2/16/2023 | <0.1 | | 1.9 | | 1.9 | | |

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/20/2023 12:40 PM View: Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-2 (bg) | WGWA-18 (bg) | WGWC-10 | WGWA-7 (bg) | WGWC-15 | WGWA-6 (bg) | WGWC-16 | WGWA-5 (bg) |
|------------|-------------|-------------|--------------|---------|-------------|----------|-------------|----------|-------------|
| 5/17/2016 | 5.24 | 6.23 | 7.81 | | | | | | |
| 5/18/2016 | | | | 8.96 | 5.5 | 7.75 | 7.92 | 6.06 | 5.47 |
| 5/19/2016 | | | | | | | | | |
| 7/18/2016 | 5.434038 | | | | | | | 5.884339 | |
| 7/19/2016 | | 6.285413 | | | 5.43 | 7.876073 | 7.154587 | | 5.336672 |
| 7/20/2016 | | | | 8.56774 | | | | | |
| 9/1/2016 | | | | | | | | | |
| 9/13/2016 | 5.22 | 6.3 | 7.18 | | 5.57 | | 7.96 | | |
| 9/14/2016 | | | | | | 7.79 | | 5.89 | 7.29 |
| 9/15/2016 | | | | | | | | | |
| 11/9/2016 | 5.57 | 6.26 | 6.03 | | | | 7.27 | | |
| 11/10/2016 | | | | | 6.93 | 7.76 | | 5.6 | |
| 11/11/2016 | | | | 6.96 | | | | | |
| 11/14/2016 | | | | | | | | | |
| 1/17/2017 | 5.48 | 6.8 | | | | | | | |
| 1/18/2017 | | | | | 7.16 | | 7.72 | | |
| 1/19/2017 | | | 6.71 | | | | | | 6.59 |
| 1/20/2017 | | | | | | | | | |
| 1/24/2017 | | | | | | 7.71 | | 5.54 | |
| 1/27/2017 | | | | | | | | | |
| 2/6/2017 | | | | 6.93 | | | | | |
| 2/8/2017 | | | | | | | | | |
| 2/23/2017 | | | | | | | | | |
| 3/13/2017 | 5.4 | 6.18 | | | | | | | |
| 3/14/2017 | | | 6.45 | | 5.82 | 7.57 | | | 5.86 |
| 3/15/2017 | | | | 6.82 | | | | 5.39 | |
| 3/17/2017 | | | | | | | | | |
| 4/11/2017 | | | | | | | | | |
| 4/24/2017 | 5.4 | 6.35 | | | | | | | |
| 4/25/2017 | | | 6.93 | | 5.57 | 7.47 | 7.73 | 5.28 | 5.35 |
| 4/26/2017 | | | | 6.73 | | | | | |
| 5/17/2017 | | | | | | | | | |
| 6/7/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 8/8/2017 | 5.32 | 6.23 | 6.72 | | 5.6 | | 7.74 | | |
| 8/9/2017 | | | | | | 7.37 | | 5.46 | 5.25 |
| 8/10/2017 | | | | 6.66 | | | | | |
| 8/25/2017 | | | | | | | | | 5.44 |
| 10/10/2017 | 5.26 | 6.32 | | | | | | | |
| 10/11/2017 | | | 6.75 | | 5.43 | 7.42 | 7.71 | 5.45 | 6.99 |
| 10/12/2017 | | | | 6.67 | | | | | |
| 3/27/2018 | 5.39 | 6.14 | | | | | | | |
| 3/28/2018 | | | 6.84 | | 5.29 | | 7.28 | | 5.95 |
| 3/29/2018 | | | | | | | | 5.33 | |
| 3/30/2018 | | | | 6.98 | | 7.48 | | | |
| 6/13/2018 | 5.33 | | 6.31 | | | | 7.78 | | 5.13 |
| 6/14/2018 | | 6.02 | | 6.56 | 5.39 | 7.5 | | 5.35 | |
| 9/24/2018 | | 6.1 | | | | | | | |
| 9/27/2018 | 5.33 | | | | | | | | |
| 9/28/2018 | | | 6.26 | | | | | | |
| 10/2/2018 | | | | | | | 7.52 | | |
| 10/3/2018 | | | | | 5.33 | 7.11 | | | 5.22 |

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-2 (bg) | WGWA-18 (bg) | WGWC-10 | WGWA-7 (bg) | WGWC-15 | WGWA-6 (bg) | WGWC-16 | WGWA-5 (bg) |
|-----------|-------------|-------------|--------------|---------|-------------|---------|-------------|---------|-------------|
| 8/19/2022 | | | | 6.2 | | | | | |
| 2/14/2023 | 5.37 | 6.06 | 5.89 | | 5.44 | | 7.78 | | 5.3 |
| 2/15/2023 | | | | | | 7.72 | | 5.19 | |
| 2/16/2023 | | | | 6.39 | | | | | |

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-17 | WGWA-4 (bg) | WGWA-3 (bg) | WGWC-11 | WGWC-13 | WGWC-8 | WGWC-9 | WGWC-12 | WGWC-19 |
|------------|----------|-------------|-------------|---------|----------|----------|----------|----------|---------|
| 5/17/2016 | | | | | | | | | |
| 5/18/2016 | 6.41 | 7.23 | 5.55 | | | | | | |
| 5/19/2016 | | | | 5.93 | 6.85 | 5.99 | 6.31 | 6.91 | |
| 7/18/2016 | | | | 5.9661 | | | | | |
| 7/19/2016 | | | | | | | | | |
| 7/20/2016 | 6.662463 | 7.281557 | 5.656628 | | 6.705264 | 6.194334 | 6.345061 | 6.962608 | |
| 9/1/2016 | | | | | | | | 6.96 | |
| 9/13/2016 | | 7.15 | 5.63 | | | | | | |
| 9/14/2016 | 6.7 | | | | 6.7 | | 6.33 | | |
| 9/15/2016 | | | | | | 6.38 | | | |
| 11/9/2016 | | | | | | | | | |
| 11/10/2016 | 6.51 | 6.33 | 5.61 | | 6.5 | | | | |
| 11/11/2016 | | | | 6.03 | | | | 6.76 | 6.93 |
| 11/14/2016 | | | | | | 5.7 | | | |
| 1/17/2017 | | | | | | | | | |
| 1/18/2017 | | 6.94 | 5.81 | | | | | | |
| 1/19/2017 | | | | | | | | | |
| 1/20/2017 | 6.55 | | | | | | | | |
| 1/24/2017 | | | | | | | | | |
| 1/27/2017 | | | | 6.21 | 6.47 | | | 6.66 | |
| 2/6/2017 | | | | | | 5.66 | | | 6.8 |
| 2/8/2017 | | | | | | | | | |
| 2/23/2017 | | | | | | | | | |
| 3/13/2017 | | | | | | | | | |
| 3/14/2017 | 6.27 | 6.75 | 5.53 | | | | | | |
| 3/15/2017 | | | | 5.97 | 6.75 | 5.77 | 5.99 | 6.3 | 6.78 |
| 3/17/2017 | | | | | | | | | |
| 4/11/2017 | | | | | | | | | 6.79 |
| 4/24/2017 | | | | | | | | | |
| 4/25/2017 | 6.26 | 6.84 | 5.59 | | | | | | |
| 4/26/2017 | | | | 6.17 | 6.57 | 5.39 | 6.03 | 6.67 | 6.82 |
| 5/17/2017 | | | | | | | | | |
| 6/7/2017 | | | | | | | | | 6.76 |
| 7/11/2017 | | | | | | | | | 6.99 |
| 8/8/2017 | | | 5.52 | | | | | | |
| 8/9/2017 | 6.47 | 6.67 | | | 6.55 | | | | |
| 8/10/2017 | | | | 6.05 | | 5.59 | 5.86 | 6.7 | 6.59 |
| 8/25/2017 | | | | | | | | | |
| 10/10/2017 | | | | | | | | | |
| 10/11/2017 | 6.47 | 6.75 | 5.51 | | | | | | |
| 10/12/2017 | | | | 6.89 | 6.67 | 5.46 | 6.09 | 6.89 | 6.7 |
| 3/27/2018 | | | | | | | | | |
| 3/28/2018 | | 6.79 | 5.6 | | | | | | |
| 3/29/2018 | | | | 6.85 | 6.99 | 5.43 | 5.89 | 7.08 | 6.88 |
| 3/30/2018 | 6.71 | | | | | | | | |
| 6/13/2018 | | | | | | | | | |
| 6/14/2018 | 6.15 | 6.67 | 5.58 | 5.89 | 6.39 | 5.76 | 6.47 | 6.73 | 6.72 |
| 9/24/2018 | | | | | | | | | |
| 9/27/2018 | | | | | | | | | |
| 9/28/2018 | | | | | | | | | |
| 10/2/2018 | | | | | | | | | |
| 10/3/2018 | | 6.92 | 5.45 | | | | | | |

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/20/2023 12:40 PM View: Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-17 | WGWA-4 (bg) | WGWA-3 (bg) | WGWC-11 | WGWC-13 | WGWC-8 | WGWC-9 | WGWC-12 | WGWC-19 |
|-----------|---------|-------------|-------------|---------|---------|--------|-----------|---------|---------|
| 10/4/2018 | 6.14 | | | 5.81 | 6.5 | 5.39 | 6.17 | 6.79 | 6.67 |
| 2/25/2019 | | | | | | | | | |
| 2/26/2019 | 6.17 | 6.74 | 5.6 | | | | | | |
| 2/27/2019 | | | | 5.78 | 6.47 | | | 6.7 | |
| 2/28/2019 | | | | | | | 6.045 (D) | | 6.98 |
| 4/1/2019 | | | | | | | | | |
| 4/2/2019 | | 6.81 | 5.69 | | | | | | 6.75 |
| 4/3/2019 | | | | 6.07 | 6.47 | 5.55 | 6.1 | 6.91 | |
| 4/4/2019 | 6.16 | | | | | | | | |
| 9/16/2019 | | | | | | | | | |
| 9/17/2019 | | 6.93 | | | | | | | |
| 9/18/2019 | 6.17 | | 5.62 | | 6.46 | | | | 6.71 |
| 9/19/2019 | | | | 5.82 | | 5.39 | 6.38 | 6.63 | |
| 2/3/2020 | | | | | | | | | |
| 2/4/2020 | | 7.29 | 5.66 | | | | | | |
| 2/5/2020 | | | | 5.89 | 6.44 | | 6.54 | 6.76 | |
| 2/7/2020 | 6.34 | | | | | 5.38 | | | 7.08 |
| 3/16/2020 | | | | | | | | | |
| 3/17/2020 | | 6.83 | 5.61 | | | | | | |
| 3/18/2020 | 6.28 | | | 5.89 | | | | 6.94 | |
| 3/19/2020 | | | | | 6.56 | 6.43 | 6.64 | | |
| 5/4/2020 | | | | | | | | | 6.9 |
| 9/21/2020 | | 6.81 | 5.35 | | | | | | |
| 9/22/2020 | | | | | | 5.17 | | | |
| 9/23/2020 | 5.89 | | | | | | 5.8 | 6.42 | 6.59 |
| 9/24/2020 | | | | 5.5 | 6.29 | | | | |
| 2/2/2021 | | 6.61 | 5.78 | | | | | | |
| 2/3/2021 | | | | 5.21 | | 5.08 | | 6.15 | 6.75 |
| 2/4/2021 | 6.31 | | | | 6.34 | | 6.22 | | |
| 3/8/2021 | | | | | | | | | |
| 3/9/2021 | | | | | | | | | |
| 3/10/2021 | | 7.19 | 5.49 | | | | | | |
| 3/11/2021 | 5.96 | | | | 5.95 | 5.35 | | | 7.12 |
| 3/12/2021 | | | | 5.46 | | | 5.88 | 6.66 | |
| 4/7/2021 | | | | | | | | | |
| 4/8/2021 | | | | | | | | | |
| 8/23/2021 | | | | | | | | | |
| 8/24/2021 | | 7.22 | | | | | | | |
| 8/25/2021 | 6.09 | | 5.52 | 5.66 | 6.27 | | | 6.69 | |
| 8/26/2021 | | | | | | 5.36 | 5.84 | | 6.66 |
| 1/11/2022 | | | | | | | | | |
| 1/12/2022 | | | | | | | | | |
| 2/28/2022 | | 7.14 | | | | | | | |
| 3/1/2022 | | | 5.59 | | | | | | |
| 3/3/2022 | | | | 5.59 | 6.31 | 5.21 | 5.86 | | 6.69 |
| 3/4/2022 | 6.21 | | | | | | | 6.79 | |
| 6/6/2022 | | | | | | | | | |
| 6/7/2022 | | | | | | | | | |
| 8/15/2022 | | | | | | | | | |
| 8/16/2022 | 6.02 | 6.92 | 5.46 | 5.56 | | 5.4 | | | |
| 8/17/2022 | | | | | | | 5.8 | | 6.6 |
| 8/18/2022 | | | | | 6.15 | | | 6.52 | |

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-17 | WGWA-4 (bg) | WGWA-3 (bg) | WGWC-11 | WGWC-13 | WGWC-8 | WGWC-9 | WGWC-12 | WGWC-19 |
|-----------|---------|-------------|-------------|---------|---------|--------|--------|---------|---------|
| 8/19/2022 | | | | | | | | | |
| 2/14/2023 | | | 5.49 | | | | | | |
| 2/15/2023 | | 7.21 | | | | | 5.86 | | |
| 2/16/2023 | 6.28 | | | 5.69 | 6.27 | 5.22 | | 6.61 | 6.8 |

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-14A | WGWC-20 | WGWC-25 | WGWC-23 | WGWC-22 | WGWC-21 | WGWC-24 |
|------------|----------|---------|---------|---------|---------|---------|---------|
| 5/17/2016 | | | | | | | |
| 5/18/2016 | | | | | | | |
| 5/19/2016 | | | | | | | |
| 7/18/2016 | | | | | | | |
| 7/19/2016 | | | | | | | |
| 7/20/2016 | | | | | | | |
| 9/1/2016 | | | | | | | |
| 9/13/2016 | | | | | | | |
| 9/14/2016 | | | | | | | |
| 9/15/2016 | | | | | | | |
| 11/9/2016 | | | | | | | |
| 11/10/2016 | | | | | | | |
| 11/11/2016 | | | | | | | |
| 11/14/2016 | | | | | | | |
| 1/17/2017 | | | | | | | |
| 1/18/2017 | | | | | | | |
| 1/19/2017 | | | | | | | |
| 1/20/2017 | | | | | | | |
| 1/24/2017 | | | | | | | |
| 1/27/2017 | | | | | | | |
| 2/6/2017 | | | | | | | |
| 2/8/2017 | 5.81 | | | | | | |
| 2/23/2017 | 5.8 | | | | | | |
| 3/13/2017 | | | | | | | |
| 3/14/2017 | | | | | | | |
| 3/15/2017 | | | | | | | |
| 3/17/2017 | 5.97 | | | | | | |
| 4/11/2017 | 6.18 | | | | | | |
| 4/24/2017 | | | | | | | |
| 4/25/2017 | | | | | | | |
| 4/26/2017 | 6.09 | | | | | | |
| 5/17/2017 | 6.26 | | | | | | |
| 6/7/2017 | 6.21 | | | | | | |
| 7/11/2017 | 6 | | | | | | |
| 8/8/2017 | | | | | | | |
| 8/9/2017 | | | | | | | |
| 8/10/2017 | | | | | | | |
| 8/25/2017 | | | | | | | |
| 10/10/2017 | | | | | | | |
| 10/11/2017 | 6.97 | | | | | | |
| 10/12/2017 | | | | | | | |
| 3/27/2018 | | | | | | | |
| 3/28/2018 | | | | | | | |
| 3/29/2018 | 6.51 | | | | | | |
| 3/30/2018 | | | | | | | |
| 6/13/2018 | | | | | | | |
| 6/14/2018 | 5.76 | | | | | | |
| 9/24/2018 | | | | | | | |
| 9/27/2018 | | | | | | | |
| 9/28/2018 | | | | | | | |
| 10/2/2018 | | | | | | | |
| 10/3/2018 | | | | | | | |

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-14A | WGWC-20 | WGWC-25 | WGWC-23 | WGWC-22 | WGWC-21 | WGWC-24 |
|-----------|----------|---------|---------|---------|---------|---------|---------|
| 10/4/2018 | 5.97 | | | | | | |
| 2/25/2019 | | | | | | | |
| 2/26/2019 | | | | | | | |
| 2/27/2019 | 5.73 | | | | | | |
| 2/28/2019 | | | | | | | |
| 4/1/2019 | | | | | | | |
| 4/2/2019 | | | | | | | |
| 4/3/2019 | 5.68 | | | | | | |
| 4/4/2019 | | | | | | | |
| 9/16/2019 | | | | | | | |
| 9/17/2019 | | | | | | | |
| 9/18/2019 | 5.5 | | | | | | |
| 9/19/2019 | | | | | | | |
| 2/3/2020 | | | | | | | |
| 2/4/2020 | | | | | | | |
| 2/5/2020 | 5.52 | | | | | | |
| 2/7/2020 | | | | | | | |
| 3/16/2020 | | | | | | | |
| 3/17/2020 | | | | | | | |
| 3/18/2020 | | | | | | | |
| 3/19/2020 | 5.49 | | | | | | |
| 5/4/2020 | | | | | | | |
| 9/21/2020 | | | | | | | |
| 9/22/2020 | | | | | | | |
| 9/23/2020 | | | | | | | |
| 9/24/2020 | 5.16 | | | | | | |
| 2/2/2021 | | | | | | | |
| 2/3/2021 | | | | | | | |
| 2/4/2021 | 5.76 | | | | | | |
| 3/8/2021 | | 5.54 | 5.36 | | | | |
| 3/9/2021 | | | | 5.81 | 5.56 | 7.29 | 4.29 |
| 3/10/2021 | | | | | | | |
| 3/11/2021 | 5.1 | | | | | | |
| 3/12/2021 | | | | | | | |
| 4/7/2021 | | | | 5.57 | | 7.05 | 4.43 |
| 4/8/2021 | | 5.6 | 5.39 | | 6.01 | | |
| 8/23/2021 | | | | | | | |
| 8/24/2021 | | | | | | | |
| 8/25/2021 | 5.39 | | | | | | |
| 8/26/2021 | | 5.37 | 5.3 | 5.8 | 5.4 | 6.88 | 4.33 |
| 1/11/2022 | | | 5.26 | 5.61 | 5.4 | 6.68 | 4.39 |
| 1/12/2022 | | 5.19 | | | | | |
| 2/28/2022 | | | | | | | |
| 3/1/2022 | | | | | | | |
| 3/3/2022 | 5.4 | | | | | 6.88 | 4.39 |
| 3/4/2022 | | 5.23 | 5.21 | 5.74 | 5.34 | | |
| 6/6/2022 | | | | 5.73 | | 6.69 | 4.52 |
| 6/7/2022 | | 5.39 | 5.32 | | 5.41 | | |
| 8/15/2022 | | | | | | | |
| 8/16/2022 | | | | | | 6.72 | |
| 8/17/2022 | | | 5.28 | 5.64 | | | |
| 8/18/2022 | | 5.29 | | | | | 4.42 |

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-14A | WGWC-20 | WGWC-25 | WGWC-23 | WGWC-22 | WGWC-21 | WGWC-24 |
|-----------|----------|---------|---------|---------|---------|---------|---------|
| 8/19/2022 | 5.25 | | | | 5.34 | | |
| 2/14/2023 | | | | | | | |
| 2/15/2023 | | | 5.36 | 5.49 | 5.47 | | 4.54 |
| 2/16/2023 | 5.4 | 5.17 | | | | 6.92 | |

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-2 (bg) | WGWA-18 (bg) | WGWC-15 | WGWC-17 | WGWC-10 | WGWA-7 (bg) | WGWA-6 (bg) | WGWA-5 (bg) |
|------------|-------------|-------------|--------------|---------|---------|---------|-------------|-------------|-------------|
| 5/17/2016 | <1 | 1.14 | 19.9 | | | | | | |
| 5/18/2016 | | | | 50.7 | 32.1 | 2.84 | 0.368 (J) | 8.88 | 0.955 (J) |
| 5/19/2016 | | | | | | | | | |
| 7/19/2016 | <1 | 1.4 | 14 | 62 | | | <1 | 9 | 0.76 (J) |
| 7/20/2016 | | | | | 9.7 | 2.8 | | | |
| 9/13/2016 | <1 | 1.1 | 11 | | | | <1 | 8.5 | |
| 9/14/2016 | | | | 79 | 6.6 | 2.8 | | | 3.4 |
| 9/15/2016 | | | | | | | | | |
| 11/9/2016 | <1 | 1.1 | 6.3 | | | | | 8.2 | |
| 11/10/2016 | | | | 61 | 5.2 | | <1 | | |
| 11/11/2016 | | | | | | 2.6 | | | |
| 11/14/2016 | | | | | | | | | |
| 1/17/2017 | <1 | 2.1 | | | | | | | |
| 1/18/2017 | | | | | | | 1.4 | 9.4 | |
| 1/19/2017 | | | 7.4 | | | | | | 21 |
| 1/20/2017 | | | | | 5.3 | | | | |
| 1/24/2017 | | | | 34 | | | | | |
| 1/27/2017 | | | | | | | | | |
| 2/6/2017 | | | | | | 2.7 | | | |
| 2/8/2017 | | | | | | | | | |
| 2/9/2017 | | | | | | | | | |
| 2/23/2017 | | | | | | | | | |
| 3/13/2017 | <1 | 0.97 (J) | | | | | | | |
| 3/14/2017 | | | 10 | 43 | 9.6 | | <1 | 2 | 1.4 |
| 3/15/2017 | | | | | | 2.7 | | | |
| 3/17/2017 | | | | | | | | | |
| 4/11/2017 | | | | | | | | | |
| 4/24/2017 | <1 | 0.75 (J) | | | | | | | |
| 4/25/2017 | | | 10 | 39 | 20 | | <1 | 8.2 | 0.89 (J) |
| 4/26/2017 | | | | | | 2.5 | | | |
| 5/17/2017 | | | | | | | | | |
| 6/7/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 8/8/2017 | <1 | 1.1 | 12 | | | | <1 | 8.5 | |
| 8/9/2017 | | | | 35 | 6.5 | | | | 0.75 (J) |
| 8/10/2017 | | | | | | 2.2 | | | |
| 10/10/2017 | <1 | 1.3 | | | | | | | |
| 10/11/2017 | | | 11 | 48 | 13 | | <1 | 8.3 | <1 |
| 10/12/2017 | | | | | | 1.9 | | | |
| 6/13/2018 | <1 | | 8.2 | | | | | 8.3 | <1 |
| 6/14/2018 | | 0.84 (J) | | 44 | 16 | 2 | <1 | | |
| 9/24/2018 | | 0.79 (J) | | | | | | | |
| 9/27/2018 | <1 | | | | | | | | |
| 9/28/2018 | | | 7.6 | | | | | | |
| 10/2/2018 | | | | | | | | 8.3 | |
| 10/3/2018 | | | | 49 | | | <1 | | <1 |
| 10/4/2018 | | | | | 15 | 1.9 | | | |
| 4/1/2019 | <1 | 1 | | | | | | | |
| 4/2/2019 | | | 11 | | | | 0.4 (J) | 8.5 | 0.94 (J) |
| 4/3/2019 | | | | | | | | | |
| 4/4/2019 | | | | 41 | 9.1 | 2.2 | | | |
| 9/16/2019 | 0.49 (J) | | | | | | | 8.9 | 2.2 |

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-2 (bg) | WGWA-18 (bg) | WGWC-15 | WGWC-17 | WGWC-10 | WGWA-7 (bg) | WGWA-6 (bg) | WGWA-5 (bg) |
|-----------|-------------|-------------|--------------|---------|---------|---------|-------------|-------------|-------------|
| 9/17/2019 | | 1.3 | 8 | | | | | | |
| 9/18/2019 | | | | 37 | 7.3 | | <1 | | |
| 9/19/2019 | | | | | | 2.1 | | | |
| 3/16/2020 | 0.42 (J) | 1.3 | | | | | | | |
| 3/17/2020 | | | 8.5 | | | | 0.86 (J) | 12 | 4 |
| 3/18/2020 | | | | 17 | 4.2 | 2.1 | | | |
| 3/19/2020 | | | | | | | | | |
| 5/4/2020 | | | | | | | | | |
| 9/21/2020 | | 1.1 | | | | | | | |
| 9/22/2020 | <1 | | 9 | | | | 0.38 (J) | 8 | 1.5 |
| 9/23/2020 | | | | 21 | 4.4 | 1.8 | | | |
| 9/24/2020 | | | | | | | | | |
| 3/8/2021 | | | | | | | | | |
| 3/9/2021 | | | | | | | | | |
| 3/10/2021 | | 0.9 (J) | 7.1 | | | | <1 | | <1 |
| 3/11/2021 | <1 | | | | 3.9 | 2.8 | | 8.4 | |
| 3/12/2021 | | | | 19 | | | | | |
| 4/7/2021 | | | | | | | | | |
| 4/8/2021 | | | | | | | | | |
| 8/23/2021 | | 1.3 | | | | | | | |
| 8/24/2021 | <1 | | | | | | <1 | 8.9 | 2.8 |
| 8/25/2021 | | | 8.2 | | 3.3 | | | | |
| 8/26/2021 | | | | 16 | | 1.8 | | | |
| 1/11/2022 | | | | | | | | | |
| 1/12/2022 | | | | | | | | | |
| 2/28/2022 | | | | | | | | | |
| 3/1/2022 | <1 | 1.6 | | | | | | 9.2 | 0.99 (J) |
| 3/3/2022 | | | 8.5 | 18 | | 2 | <1 | | |
| 3/4/2022 | | | | | 3.6 | | | | |
| 6/6/2022 | | | | | | | | | |
| 6/7/2022 | | | | | | | | | |
| 8/15/2022 | <1 | 0.54 (J) | | | | | | 7.5 | 1.6 |
| 8/16/2022 | | | 7.2 | | 3.4 | | <1 | | |
| 8/17/2022 | | | | 14 | | | | | |
| 8/18/2022 | | | | | | | | | |
| 8/19/2022 | | | | | | 1.6 | | | |
| 2/14/2023 | <1 | 0.66 (J) | 7.3 | | | | <1 | 7.9 | 0.66 (J) |
| 2/15/2023 | | | | 14 | | | | | |
| 2/16/2023 | | | | | 2.6 | 1.8 | | | |

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-4 (bg) | WGWA-3 (bg) | WGWC-16 | WGWC-11 | WGWC-9 | WGWC-8 | WGWC-12 | WGWC-13 | WGWC-19 |
|------------|-------------|-------------|---------|---------|--------|--------|---------|---------|---------|
| 5/17/2016 | | | | | | | | | |
| 5/18/2016 | 5.32 | 0.821 (J) | 388 | | | | | | |
| 5/19/2016 | | | | 1.83 | 35.9 | 146 | 15.8 | 19.2 | |
| 7/19/2016 | | | 460 | | | | | | |
| 7/20/2016 | 6.5 | 0.82 (J) | | 1.6 | 37 | 150 | 16 | 11 | |
| 9/13/2016 | 5.6 | 0.81 (J) | | | | | | | |
| 9/14/2016 | | | 500 | 1.5 | 39 | | 16 | 8.6 | |
| 9/15/2016 | | | | | | 140 | | | |
| 11/9/2016 | | | | | | | | | |
| 11/10/2016 | 5.4 | 0.73 (J) | 530 | | | | | 5.7 | |
| 11/11/2016 | | | | 1.4 | | | 14 | | 3.4 |
| 11/14/2016 | | | | | | 160 | | | |
| 1/17/2017 | | | | | | | | | |
| 1/18/2017 | 5.1 | 0.99 (J) | | | | | | | |
| 1/19/2017 | | | | | | | | | |
| 1/20/2017 | | | | | | | | | |
| 1/24/2017 | | | 600 | | | | | | |
| 1/27/2017 | | | | 2.5 | | | 15 | 6.8 | |
| 2/6/2017 | | | | | | 180 | | | 3.7 |
| 2/8/2017 | | | | | | | | | |
| 2/9/2017 | | | | | 60 | | | | |
| 2/23/2017 | | | | | | | | | |
| 3/13/2017 | | | | | | | | | |
| 3/14/2017 | 4.6 | 0.83 (J) | | | | | | | |
| 3/15/2017 | | | 610 | 2.5 | 44 | 170 | 17 | 11 | 3.6 |
| 3/17/2017 | | | | | | | | | |
| 4/11/2017 | | | | | 36 | | | | 3.2 |
| 4/24/2017 | | | | | | | | | |
| 4/25/2017 | 6.6 | 0.7 (J) | 620 | | | | | | |
| 4/26/2017 | | | | 2.2 | 37 | 180 | 15 | 8.1 | 3.3 |
| 5/17/2017 | | | | | | | | | |
| 6/7/2017 | | | | | | | | | 3.8 |
| 7/11/2017 | | | | | | | | | 3.3 |
| 8/8/2017 | | 0.82 (J) | | | | | | | |
| 8/9/2017 | 7.3 | | 780 | | | | | 8.1 | |
| 8/10/2017 | | | | 2.3 | 38 | 180 | 16 | | 3.7 |
| 10/10/2017 | | | | | | | | | |
| 10/11/2017 | 6.8 | 0.72 (J) | 720 | | | | | | |
| 10/12/2017 | | | | 1.9 | 37 | 180 | 14 | 6.1 | 3.6 |
| 6/13/2018 | | | | | | | | | |
| 6/14/2018 | 6.9 | <1 | 620 | 1.7 | 37 | 170 | 14 | 5 | 3.5 |
| 9/24/2018 | | | | | | | | | |
| 9/27/2018 | | | | | | | | | |
| 9/28/2018 | | | | | | | | | |
| 10/2/2018 | | | | | | | | | |
| 10/3/2018 | 7 | 0.73 (J) | | | | | | | |
| 10/4/2018 | | | 560 | 1.6 | 38 | 780 | 14 | 4.3 | 4.6 |
| 4/1/2019 | | | | | | | | | |
| 4/2/2019 | 8.1 | 1.1 | | | | | | | 3.8 |
| 4/3/2019 | | | | 1.9 | 41 | 180 | 13 | 3.8 | |
| 4/4/2019 | | | 250 | | | | | | |
| 9/16/2019 | | | | | | | | | |

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-4 (bg) | WGWA-3 (bg) | WGWC-16 | WGWC-11 | WGWC-9 | WGWC-8 | WGWC-12 | WGWC-13 | WGWC-19 |
|-----------|-------------|-------------|---------|----------|--------|--------|---------|----------|---------|
| 9/17/2019 | 8.1 | | | | | | | | |
| 9/18/2019 | | 0.78 (J) | 130 | | | | | 3.9 | 3.6 |
| 9/19/2019 | | | | 1.3 | 42 | 190 | 14 | | |
| 3/16/2020 | | | | | | | | | |
| 3/17/2020 | 12 | 1.2 | | | | | | | |
| 3/18/2020 | | | 120 | 1.6 | | | 12 | | |
| 3/19/2020 | | | | | 45 | 200 | | 4 | |
| 5/4/2020 | | | | | | | | | 4.5 |
| 9/21/2020 | 7.7 | 0.77 (J) | | | | | | | |
| 9/22/2020 | | | | | | 200 | | | |
| 9/23/2020 | | | 85 | | 54 | | 12 | | 3 |
| 9/24/2020 | | | | 2.7 | | | | 0.63 (J) | |
| 3/8/2021 | | | | | | | | | |
| 3/9/2021 | | | | | | | | | |
| 3/10/2021 | 8.1 | 0.91 (J) | | | | | | | |
| 3/11/2021 | | | 64 | | | 220 | | 2.9 | 4 |
| 3/12/2021 | | | | 2 | 62 | | 14 | | |
| 4/7/2021 | | | | | | | | | |
| 4/8/2021 | | | | | | | | | |
| 8/23/2021 | | | | | | | | | |
| 8/24/2021 | 7.9 | | | | | | | | |
| 8/25/2021 | | 0.79 (J) | 63 | 1.1 | | | 13 | 1.8 | |
| 8/26/2021 | | | | | 52 | 220 | | | 3.5 |
| 1/11/2022 | | | | | | | | | |
| 1/12/2022 | | | | | | | | | |
| 2/28/2022 | 8.4 | | | | | | | | |
| 3/1/2022 | | 0.98 (J) | | | | | | | |
| 3/3/2022 | | | 57 | 2.3 | 58 | 250 | | 3 | 4.8 |
| 3/4/2022 | | | | | | | 14 | | |
| 6/6/2022 | | | | | | | | | |
| 6/7/2022 | | | | | | | | | |
| 8/15/2022 | | | | | | | | | |
| 8/16/2022 | 6.9 | 0.52 (J) | | 0.98 (J) | | 220 | | | |
| 8/17/2022 | | | 49 | | 50 | | | | 2.8 |
| 8/18/2022 | | | | | | | 11 | 1.7 | |
| 8/19/2022 | | | | | | | | | |
| 2/14/2023 | | 0.65 (J) | | | | | | | |
| 2/15/2023 | 7.8 | | 54 | | 65 | | | | |
| 2/16/2023 | | | | 1 | | 250 | 2.8 | 2.3 | 3 |

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-14A | WGWC-20 | WGWC-25 | WGWC-21 | WGWC-23 | WGWC-22 | WGWC-24 |
|------------|----------|---------|---------|---------|---------|---------|---------|
| 5/17/2016 | | | | | | | |
| 5/18/2016 | | | | | | | |
| 5/19/2016 | | | | | | | |
| 7/19/2016 | | | | | | | |
| 7/20/2016 | | | | | | | |
| 9/13/2016 | | | | | | | |
| 9/14/2016 | | | | | | | |
| 9/15/2016 | | | | | | | |
| 11/9/2016 | | | | | | | |
| 11/10/2016 | | | | | | | |
| 11/11/2016 | | | | | | | |
| 11/14/2016 | | | | | | | |
| 1/17/2017 | | | | | | | |
| 1/18/2017 | | | | | | | |
| 1/19/2017 | | | | | | | |
| 1/20/2017 | | | | | | | |
| 1/24/2017 | | | | | | | |
| 1/27/2017 | | | | | | | |
| 2/6/2017 | | | | | | | |
| 2/8/2017 | 4.3 | | | | | | |
| 2/9/2017 | | | | | | | |
| 2/23/2017 | 16 | | | | | | |
| 3/13/2017 | | | | | | | |
| 3/14/2017 | | | | | | | |
| 3/15/2017 | | | | | | | |
| 3/17/2017 | 22 | | | | | | |
| 4/11/2017 | 13 | | | | | | |
| 4/24/2017 | | | | | | | |
| 4/25/2017 | | | | | | | |
| 4/26/2017 | 20 | | | | | | |
| 5/17/2017 | 12 | | | | | | |
| 6/7/2017 | 8.1 | | | | | | |
| 7/11/2017 | 17 | | | | | | |
| 8/8/2017 | | | | | | | |
| 8/9/2017 | | | | | | | |
| 8/10/2017 | | | | | | | |
| 10/10/2017 | | | | | | | |
| 10/11/2017 | 3.4 | | | | | | |
| 10/12/2017 | | | | | | | |
| 6/13/2018 | | | | | | | |
| 6/14/2018 | 5.8 | | | | | | |
| 9/24/2018 | | | | | | | |
| 9/27/2018 | | | | | | | |
| 9/28/2018 | | | | | | | |
| 10/2/2018 | | | | | | | |
| 10/3/2018 | | | | | | | |
| 10/4/2018 | 2.8 | | | | | | |
| 4/1/2019 | | | | | | | |
| 4/2/2019 | | | | | | | |
| 4/3/2019 | 3.8 | | | | | | |
| 4/4/2019 | | | | | | | |
| 9/16/2019 | | | | | | | |

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-14A | WGWC-20 | WGWC-25 | WGWC-21 | WGWC-23 | WGWC-22 | WGWC-24 |
|-----------|----------|---------|---------|---------|---------|---------|---------|
| 9/17/2019 | | | | | | | |
| 9/18/2019 | 1.7 | | | | | | |
| 9/19/2019 | | | | | | | |
| 3/16/2020 | | | | | | | |
| 3/17/2020 | | | | | | | |
| 3/18/2020 | | | | | | | |
| 3/19/2020 | 1.5 | | | | | | |
| 5/4/2020 | | | | | | | |
| 9/21/2020 | | | | | | | |
| 9/22/2020 | | | | | | | |
| 9/23/2020 | | | | | | | |
| 9/24/2020 | 1.2 | | | | | | |
| 3/8/2021 | | 240 | 4.7 | | | | |
| 3/9/2021 | | | | 230 | 14 | 80 | 140 |
| 3/10/2021 | | | | | | | |
| 3/11/2021 | 1.7 | | | | | | |
| 3/12/2021 | | | | | | | |
| 4/7/2021 | | | | 190 | 5.1 | | 160 |
| 4/8/2021 | | 240 | 5.8 | | | 60 | |
| 8/23/2021 | | | | | | | |
| 8/24/2021 | | | | | | | |
| 8/25/2021 | <1 | | | | | | |
| 8/26/2021 | | 290 | 13 | 190 | 7.5 | 100 | 170 |
| 1/11/2022 | | | 21 | 260 | 5.3 | 140 | 160 |
| 1/12/2022 | | 360 | | | | | |
| 2/28/2022 | | | | | | | |
| 3/1/2022 | | | | | | | |
| 3/3/2022 | 1.3 | | | 250 | | | 130 |
| 3/4/2022 | | 390 | 21 | | 5 | 150 | |
| 6/6/2022 | | | | 140 | 5.3 | | 67 |
| 6/7/2022 | | 280 | 22 | | | 96 | |
| 8/15/2022 | | | | | | | |
| 8/16/2022 | | | | 240 | | | |
| 8/17/2022 | | | 25 | | 5.5 | | |
| 8/18/2022 | | 280 | | | | | 49 |
| 8/19/2022 | <1 | | | | | 87 | |
| 2/14/2023 | | | | | | | |
| 2/15/2023 | | | 27 | | 5.2 | 110 | 120 |
| 2/16/2023 | 0.47 (J) | 350 | | 340 | | | |

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-2 (bg) | WGWA-18 (bg) | WGWC-15 | WGWC-17 | WGWC-10 | WGWA-7 (bg) | WGWA-6 (bg) | WGWA-5 (bg) |
|------------|-------------|-------------|--------------|---------|---------|---------|-------------|-------------|-------------|
| 5/17/2016 | <10 | 100 | 112 | | | | | | |
| 5/18/2016 | | | | 190 | 107 | 70 | 31 | 113 | 33 |
| 5/19/2016 | | | | | | | | | |
| 7/19/2016 | 14 | 84 | 80 | 180 | | | <10 | 92 | <10 |
| 7/20/2016 | | | | | 78 | 42 | | | |
| 9/13/2016 | 50 | 70 | 120 | | | | <10 | 100 | |
| 9/14/2016 | | | | 230 | 82 | 40 | | | 150 |
| 9/15/2016 | | | | | | | | | |
| 11/9/2016 | 22 | 110 | 76 | | | | | 130 | |
| 11/10/2016 | | | | 210 | 98 | | 44 | | |
| 11/11/2016 | | | | | | 72 | | | |
| 11/14/2016 | | | | | | | | | |
| 1/17/2017 | 8 | 120 | | | | | | | |
| 1/18/2017 | | | | | | | 50 | 120 | |
| 1/19/2017 | | | 36 | | | | | | 34 |
| 1/20/2017 | | | | | 82 | | | | |
| 1/24/2017 | | | | 140 | | | | | |
| 1/27/2017 | | | | | | | | | |
| 2/6/2017 | | | | | | 24 | | | |
| 2/8/2017 | | | | | | | | | |
| 2/9/2017 | | | | | | | | | |
| 2/23/2017 | | | | | | | | | |
| 3/13/2017 | <10 | 58 | | | | | | | |
| 3/14/2017 | | | 70 | 220 | 120 | | 26 | 110 | 32 |
| 3/15/2017 | | | | | | 78 | | | |
| 3/17/2017 | | | | | | | | | |
| 4/11/2017 | | | | | | | | | |
| 4/24/2017 | 10 | 94 | | | | | | | |
| 4/25/2017 | | | 70 | 180 | 120 | | 10 | 100 | 22 |
| 4/26/2017 | | | | | | 48 | | | |
| 5/17/2017 | | | | | | | | | |
| 6/7/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 8/8/2017 | <10 | 62 | 72 | | | | <10 | 90 | |
| 8/9/2017 | | | | 180 | 92 | | | | 20 |
| 8/10/2017 | | | | | | 38 | | | |
| 10/10/2017 | 44 | 140 | | | | | | | |
| 10/11/2017 | | | 90 | 200 | 74 | | 42 | 98 | 4 (J) |
| 10/12/2017 | | | | | | 72 | | | |
| 6/13/2018 | 24 | | 38 | | | | | 110 | <10 |
| 6/14/2018 | | 80 | | 170 | 100 | 40 | 14 | | |
| 9/24/2018 | | 76 | | | | | | | |
| 9/27/2018 | 28 | | | | | | | | |
| 9/28/2018 | | | 68 | | | | | | |
| 10/2/2018 | | | | | | | | 130 | |
| 10/3/2018 | | | | 260 | | | 6 | | 24 |
| 10/4/2018 | | | | | 98 | 60 | | | |
| 4/1/2019 | <10 | 63 | | | | | | | |
| 4/2/2019 | | | 100 | | | | 15 | 110 | 25 |
| 4/3/2019 | | | | | | | | | |
| 4/4/2019 | | | | 170 | 89 | 30 | | | |
| 9/16/2019 | 27 | | | | | | | 110 | 41 |

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-1 (bg) | WGWA-2 (bg) | WGWA-18 (bg) | WGWC-15 | WGWC-17 | WGWC-10 | WGWA-7 (bg) | WGWA-6 (bg) | WGWA-5 (bg) |
|-----------|-------------|-------------|--------------|---------|---------|---------|-------------|-------------|-------------|
| 9/17/2019 | | 120 | 76 | | | | | | |
| 9/18/2019 | | | | 160 | 79 | | 35 | | |
| 9/19/2019 | | | | | | 52 | | | |
| 3/16/2020 | 23 | 90 | | | | | | | |
| 3/17/2020 | | | 81 | | | | 19 | 120 | 18 |
| 3/18/2020 | | | | 160 | 98 | 58 | | | |
| 3/19/2020 | | | | | | | | | |
| 5/4/2020 | | | | | | | | | |
| 9/21/2020 | | 100 | | | | | | | |
| 9/22/2020 | 24 | | 96 | | | | 15 | 130 | 190 |
| 9/23/2020 | | | | 150 | 60 | 50 | | | |
| 9/24/2020 | | | | | | | | | |
| 3/8/2021 | | | | | | | | | |
| 3/9/2021 | | | | | | | | | |
| 3/10/2021 | | 100 | 72 | | | | 20 | | 19 |
| 3/11/2021 | 24 | | | | 75 | 52 | | 110 | |
| 3/12/2021 | | | | 130 | | | | | |
| 4/7/2021 | | | | | | | | | |
| 4/8/2021 | | | | | | | | | |
| 8/23/2021 | | 110 | | | | | | | |
| 8/24/2021 | 32 | | | | | | 24 | 120 | 150 |
| 8/25/2021 | | | 92 | | 84 | | | | |
| 8/26/2021 | | | | 150 | | 60 | | | |
| 1/11/2022 | | | | | | | | | |
| 1/12/2022 | | | | | | | | | |
| 2/28/2022 | | | | | | | | | |
| 3/1/2022 | 30 | 92 | | | | | | 140 | 23 |
| 3/3/2022 | | | 43 | 140 | | 45 | 17 | | |
| 3/4/2022 | | | | | 55 | | | | |
| 6/6/2022 | | | | | | | | | |
| 6/7/2022 | | | | | | | | | |
| 8/15/2022 | 45 | 100 | | | | | | 120 | 140 |
| 8/16/2022 | | | 60 | | 81 | | 22 | | |
| 8/17/2022 | | | | 140 | | | | | |
| 8/18/2022 | | | | | | | | | |
| 8/19/2022 | | | | | | 63 | | | |
| 2/14/2023 | 34 | 100 | 42 | | | | 24 | 120 | 24 |
| 2/15/2023 | | | | 130 | | | | | |
| 2/16/2023 | | | | | 77 | 54 | | | |

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-4 (bg) | WGWA-3 (bg) | WGWC-16 | WGWC-11 | WGWC-9 | WGWC-8 | WGWC-12 | WGWC-13 | WGWC-19 |
|------------|-------------|-------------|---------|---------|--------|--------|---------|---------|---------|
| 5/17/2016 | | | | | | | | | |
| 5/18/2016 | 101 | 29 | 1080 | | | | | | |
| 5/19/2016 | | | | 39 | 134 | 311 | 101 | 127 | |
| 7/19/2016 | | | 1200 | | | | | | |
| 7/20/2016 | 86 | <10 | | <10 | 120 | 290 | 76 | 88 | |
| 9/13/2016 | 28 | 12 | | | | | | | |
| 9/14/2016 | | | 1300 | 24 | 140 | | 96 | 92 | |
| 9/15/2016 | | | | | | 270 | | | |
| 11/9/2016 | | | | | | | | | |
| 11/10/2016 | 110 | 30 | 1400 | | | | | 100 | |
| 11/11/2016 | | | | 42 | | | 100 | | 98 |
| 11/14/2016 | | | | | | 320 | | | |
| 1/17/2017 | | | | | | | | | |
| 1/18/2017 | 98 | 22 | | | | | | | |
| 1/19/2017 | | | | | | | | | |
| 1/20/2017 | | | | | | | | | |
| 1/24/2017 | | | 1300 | | | | | | |
| 1/27/2017 | | | | 18 | | | 50 | 80 | |
| 2/6/2017 | | | | | | 330 | | | 36 |
| 2/8/2017 | | | | | | | | | |
| 2/9/2017 | | | | | 180 | | | | |
| 2/23/2017 | | | | | | | | | |
| 3/13/2017 | | | | | | | | | |
| 3/14/2017 | 110 | 22 | | | | | | | |
| 3/15/2017 | | | 1500 | 54 | 160 | 370 | 120 | 100 | 120 |
| 3/17/2017 | | | | | | | | | |
| 4/11/2017 | | | | | 120 | | | | 68 |
| 4/24/2017 | | | | | | | | | |
| 4/25/2017 | 86 | 22 | 1700 | | | | | | |
| 4/26/2017 | | | | 42 | 140 | 380 | 100 | 92 | 76 |
| 5/17/2017 | | | | | | | | | |
| 6/7/2017 | | | | | | | | | 74 |
| 7/11/2017 | | | | | | | | | 70 |
| 8/8/2017 | | 4 (J) | | | | | | | |
| 8/9/2017 | 92 | | 1900 | | | | | 120 | |
| 8/10/2017 | | | | 30 | 130 | 380 | 96 | | 66 |
| 10/10/2017 | | | | | | | | | |
| 10/11/2017 | 110 | 10 | 1900 | | | | | | |
| 10/12/2017 | | | | 54 | 120 | 450 | 100 | 110 | 100 |
| 6/13/2018 | | | | | | | | | |
| 6/14/2018 | 92 | 26 | 1500 | 16 | 120 | 410 | 94 | 88 | 74 |
| 9/24/2018 | | | | | | | | | |
| 9/27/2018 | | | | | | | | | |
| 9/28/2018 | | | | | | | | | |
| 10/2/2018 | | | | | | | | | |
| 10/3/2018 | 100 | 50 | | | | | | | |
| 10/4/2018 | | | 1700 | 56 | 140 | 520 | 110 | 100 | 100 |
| 4/1/2019 | | | | | | | | | |
| 4/2/2019 | 100 | 28 | | | | | | | 88 |
| 4/3/2019 | | | | <10 | 120 | 430 | 66 | 72 | |
| 4/4/2019 | | | 710 | | | | | | |
| 9/16/2019 | | | | | | | | | |

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWA-4 (bg) | WGWA-3 (bg) | WGWC-16 | WGWC-11 | WGWC-9 | WGWC-8 | WGWC-12 | WGWC-13 | WGWC-19 |
|-----------|-------------|-------------|---------|---------|--------|--------|---------|---------|---------|
| 9/17/2019 | 120 | | | | | | | | |
| 9/18/2019 | | 36 | 520 | | | | | 110 | 96 |
| 9/19/2019 | | | | 27 | 130 | 440 | 89 | | |
| 3/16/2020 | | | | | | | | | |
| 3/17/2020 | 100 | 20 | | | | | | | |
| 3/18/2020 | | | 370 | 26 | | | 73 | | |
| 3/19/2020 | | | | | 160 | 540 | | 95 | |
| 5/4/2020 | | | | | | | | | 110 |
| 9/21/2020 | 92 | 22 | | | | | | | |
| 9/22/2020 | | | | | | 600 | | | |
| 9/23/2020 | | | 250 | | 150 | | 90 | | 94 |
| 9/24/2020 | | | | 60 | | | | 21 | |
| 3/8/2021 | | | | | | | | | |
| 3/9/2021 | | | | | | | | | |
| 3/10/2021 | 100 | 20 | | | | | | | |
| 3/11/2021 | | | 190 | | | 530 | | 63 | 100 |
| 3/12/2021 | | | | 27 | 130 | | 78 | | |
| 4/7/2021 | | | | | | | | | |
| 4/8/2021 | | | | | | | | | |
| 8/23/2021 | | | | | | | | | |
| 8/24/2021 | 110 | | | | | | | | |
| 8/25/2021 | | 21 | 220 | 32 | | | 110 | 53 | |
| 8/26/2021 | | | | | 170 | 550 | | | 94 |
| 1/11/2022 | | | | | | | | | |
| 1/12/2022 | | | | | | | | | |
| 2/28/2022 | 95 | | | | | | | | |
| 3/1/2022 | | 31 | | | | | | | |
| 3/3/2022 | | | 170 | 21 | 140 | 530 | | 71 | 98 |
| 3/4/2022 | | | | | | | 89 | | |
| 6/6/2022 | | | | | | | | | |
| 6/7/2022 | | | | | | | | | |
| 8/15/2022 | | | | | | | | | |
| 8/16/2022 | 110 | 30 | | 33 | | 580 | | | |
| 8/17/2022 | | | 170 | | 150 | | | | 93 |
| 8/18/2022 | | | | | | | 88 | 89 | |
| 8/19/2022 | | | | | | | | | |
| 2/14/2023 | | 27 | | | | | | | |
| 2/15/2023 | 100 | | 160 | | 160 | | | | |
| 2/16/2023 | | | | 33 | | 590 | 89 | 81 | 100 |

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-14A | WGWC-20 | WGWC-25 | WGWC-21 | WGWC-23 | WGWC-22 | WGWC-24 |
|------------|----------|---------|---------|---------|---------|---------|---------|
| 5/17/2016 | | | | | | | |
| 5/18/2016 | | | | | | | |
| 5/19/2016 | | | | | | | |
| 7/19/2016 | | | | | | | |
| 7/20/2016 | | | | | | | |
| 9/13/2016 | | | | | | | |
| 9/14/2016 | | | | | | | |
| 9/15/2016 | | | | | | | |
| 11/9/2016 | | | | | | | |
| 11/10/2016 | | | | | | | |
| 11/11/2016 | | | | | | | |
| 11/14/2016 | | | | | | | |
| 1/17/2017 | | | | | | | |
| 1/18/2017 | | | | | | | |
| 1/19/2017 | | | | | | | |
| 1/20/2017 | | | | | | | |
| 1/24/2017 | | | | | | | |
| 1/27/2017 | | | | | | | |
| 2/6/2017 | | | | | | | |
| 2/8/2017 | 54 | | | | | | |
| 2/9/2017 | | | | | | | |
| 2/23/2017 | 78 | | | | | | |
| 3/13/2017 | | | | | | | |
| 3/14/2017 | | | | | | | |
| 3/15/2017 | | | | | | | |
| 3/17/2017 | 56 | | | | | | |
| 4/11/2017 | 76 | | | | | | |
| 4/24/2017 | | | | | | | |
| 4/25/2017 | | | | | | | |
| 4/26/2017 | 76 | | | | | | |
| 5/17/2017 | 68 | | | | | | |
| 6/7/2017 | 72 | | | | | | |
| 7/11/2017 | 68 | | | | | | |
| 8/8/2017 | | | | | | | |
| 8/9/2017 | | | | | | | |
| 8/10/2017 | | | | | | | |
| 10/10/2017 | | | | | | | |
| 10/11/2017 | 68 | | | | | | |
| 10/12/2017 | | | | | | | |
| 6/13/2018 | | | | | | | |
| 6/14/2018 | 52 | | | | | | |
| 9/24/2018 | | | | | | | |
| 9/27/2018 | | | | | | | |
| 9/28/2018 | | | | | | | |
| 10/2/2018 | | | | | | | |
| 10/3/2018 | | | | | | | |
| 10/4/2018 | 130 | | | | | | |
| 4/1/2019 | | | | | | | |
| 4/2/2019 | | | | | | | |
| 4/3/2019 | 31 | | | | | | |
| 4/4/2019 | | | | | | | |
| 9/16/2019 | | | | | | | |

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/20/2023 12:40 PM View: Interwell PL
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-14A | WGWC-20 | WGWC-25 | WGWC-21 | WGWC-23 | WGWC-22 | WGWC-24 |
|-----------|----------|---------|---------|---------|---------|---------|---------|
| 9/17/2019 | | | | | | | |
| 9/18/2019 | 33 | | | | | | |
| 9/19/2019 | | | | | | | |
| 3/16/2020 | | | | | | | |
| 3/17/2020 | | | | | | | |
| 3/18/2020 | | | | | | | |
| 3/19/2020 | 18 | | | | | | |
| 5/4/2020 | | | | | | | |
| 9/21/2020 | | | | | | | |
| 9/22/2020 | | | | | | | |
| 9/23/2020 | | | | | | | |
| 9/24/2020 | 24 | | | | | | |
| 3/8/2021 | | 590 | 220 | | | | |
| 3/9/2021 | | | | 610 | 79 | 200 | 370 |
| 3/10/2021 | | | | | | | |
| 3/11/2021 | 24 | | | | | | |
| 3/12/2021 | | | | | | | |
| 4/7/2021 | | | | 520 | 66 | | 510 |
| 4/8/2021 | | 540 | 180 | | | 170 | |
| 8/23/2021 | | | | | | | |
| 8/24/2021 | | | | | | | |
| 8/25/2021 | 30 | | | | | | |
| 8/26/2021 | | 720 | 200 | 480 | 88 | 240 | 420 |
| 1/11/2022 | | | 220 | 580 | 67 | 270 | 320 |
| 1/12/2022 | | 1200 | | | | | |
| 2/28/2022 | | | | | | | |
| 3/1/2022 | | | | | | | |
| 3/3/2022 | 17 | | | 580 | | | 280 |
| 3/4/2022 | | 1100 | 200 | | 69 | 260 | |
| 6/6/2022 | | | | 670 | 90 | | 210 |
| 6/7/2022 | | 920 | 240 | | | 210 | |
| 8/15/2022 | | | | | | | |
| 8/16/2022 | | | | 530 | | | |
| 8/17/2022 | | | 210 | | 85 | | |
| 8/18/2022 | | 760 | | | | | 140 |
| 8/19/2022 | 26 | | | | | 190 | |
| 2/14/2023 | | | | | | | |
| 2/15/2023 | | | 200 | | 71 | 210 | 230 |
| 2/16/2023 | 27 | 960 | | 630 | | | |

FIGURE E.

Appendix III Trend Test - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/20/2023, 12:45 PM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Xform | Alpha | Method |
|-------------------------------------|--------------|-----------|-------|----------|------|----|-------|-----------|-------|-------|--------|
| Boron, total (mg/L) | WGWC-16 | -0.8386 | -117 | -81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-8 | 0.1899 | 122 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-9 | 0.05128 | 99 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-18 (bg) | -1.364 | -84 | -81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWC-8 | 10.03 | 163 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-1 (bg) | 0.08017 | 88 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-5 (bg) | -0.1013 | -102 | -74 | Yes | 19 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-16 | -39.71 | -109 | -81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-24 | -55.24 | -25 | -21 | Yes | 8 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-8 | 18.08 | 161 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-18 (bg) | -0.008559 | -120 | -105 | Yes | 24 | 16.67 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-15 | -0.02645 | -116 | -105 | Yes | 24 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-22 | -0.2356 | -25 | -21 | Yes | 8 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-9 | -0.1191 | -184 | -105 | Yes | 24 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-2 (bg) | -0.03618 | -111 | -105 | Yes | 24 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWA-4 (bg) | 0.3955 | 108 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-16 | -77.41 | -97 | -81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-25 | 12.63 | 27 | 21 | Yes | 8 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-8 | 13.54 | 140 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-9 | 2.768 | 107 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-8 | 45.28 | 156 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |

Appendix III Trend Test - All Results

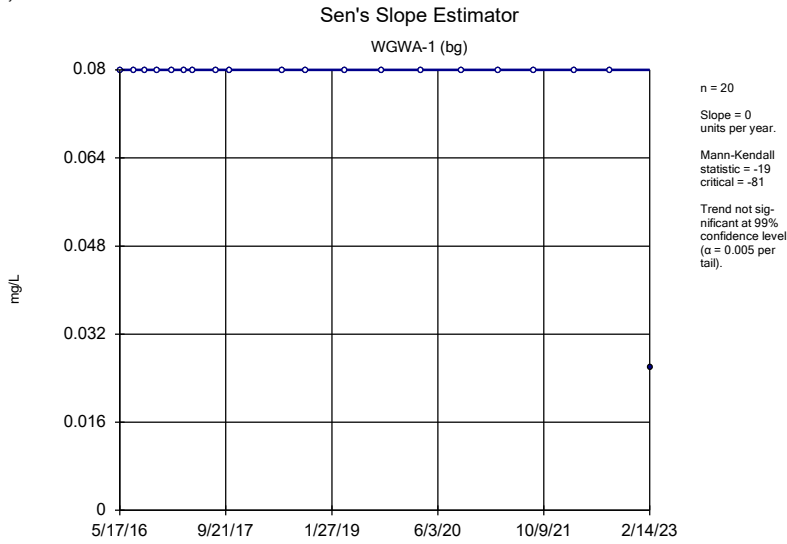
Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/20/2023, 12:45 PM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Xform | Alpha | Method |
|-------------------------------|---------------------|------------------|-------------|-------------|------------|-----------|--------------|------------|------------|-------------|-----------|
| Boron, total (mg/L) | WGWA-1 (bg) | 0 | -19 | -81 | No | 20 | 95 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWA-18 (bg) | 0 | 28 | 81 | No | 20 | 90 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWA-2 (bg) | 0 | -56 | -81 | No | 20 | 80 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWA-3 (bg) | 0 | 0 | 81 | No | 20 | 100 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWA-4 (bg) | 0 | 0 | 81 | No | 20 | 100 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWA-5 (bg) | 0 | -18 | -74 | No | 19 | 94.74 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWA-6 (bg) | 0 | 0 | 81 | No | 20 | 100 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWA-7 (bg) | 0 | -19 | -81 | No | 20 | 95 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-16 | -0.8386 | -117 | -81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-20 | 0.977 | 10 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-21 | -0.00553 | -2 | -21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-22 | 0.04328 | 10 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-24 | -0.5953 | -18 | -21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-25 | 0.2155 | 20 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-8 | 0.1899 | 122 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Boron, total (mg/L) | WGWC-9 | 0.05128 | 99 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-1 (bg) | 0.03829 | 80 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-18 (bg) | -1.364 | -84 | -81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-2 (bg) | -0.2535 | -50 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-3 (bg) | 0 | 2 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-4 (bg) | 0 | -24 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-5 (bg) | -0.0273 | -10 | -74 | No | 19 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-6 (bg) | 0 | 3 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWA-7 (bg) | -0.03602 | -22 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWC-20 | 42.34 | 8 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWC-21 | 0.7832 | 2 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Calcium, total (mg/L) | WGWC-8 | 10.03 | 163 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-1 (bg) | 0.08017 | 88 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-18 (bg) | -0.05405 | -59 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-2 (bg) | 0.05384 | 80 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-3 (bg) | 0 | -10 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-4 (bg) | 0 | -56 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-5 (bg) | -0.1013 | -102 | -74 | Yes | 19 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-6 (bg) | 0 | 13 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWA-7 (bg) | 0 | 2 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-16 | -39.71 | -109 | -81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-20 | 69.78 | 10 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-21 | -5.288 | -8 | -21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-24 | -55.24 | -25 | -21 | Yes | 8 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-25 | 1.449 | 11 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Chloride, Total (mg/L) | WGWC-8 | 18.08 | 161 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-1 (bg) | 0 | -19 | -105 | No | 24 | 75 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-18 (bg) | -0.008559 | -120 | -105 | Yes | 24 | 16.67 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-2 (bg) | -0.01627 | -97 | -105 | No | 24 | 37.5 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-3 (bg) | 0 | -38 | -105 | No | 24 | 66.67 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-4 (bg) | -0.00409 | -69 | -105 | No | 24 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-5 (bg) | 0 | 25 | 98 | No | 23 | 86.96 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-6 (bg) | -0.003249 | -73 | -105 | No | 24 | 8.333 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWA-7 (bg) | 0 | -25 | -105 | No | 24 | 75 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-15 | -0.02645 | -116 | -105 | Yes | 24 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-19 | -0.01348 | -88 | -105 | No | 24 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-20 | 0.1192 | 10 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-21 | 0.0856 | 6 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-22 | -0.2356 | -25 | -21 | Yes | 8 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-24 | -0.4448 | -17 | -21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride, total (mg/L) | WGWC-9 | -0.1191 | -184 | -105 | Yes | 24 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-1 (bg) | -0.01725 | -67 | -105 | No | 24 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-18 (bg) | -0.1261 | -78 | -98 | No | 23 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-2 (bg) | -0.03618 | -111 | -105 | Yes | 24 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-3 (bg) | -0.0126 | -59 | -105 | No | 24 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-4 (bg) | 0.02032 | 28 | 105 | No | 24 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-5 (bg) | -0.01347 | -24 | -105 | No | 24 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-6 (bg) | 0.02152 | 55 | 98 | No | 23 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWA-7 (bg) | -0.03614 | -72 | -105 | No | 24 | 0 | n/a | n/a | 0.01 | NP |
| pH, Field (S.U.) | WGWC-24 | 0.09684 | 17 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWA-1 (bg) | 0 | -13 | -81 | No | 20 | 90 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWA-18 (bg) | -0.5911 | -72 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWA-2 (bg) | -0.03939 | -32 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |

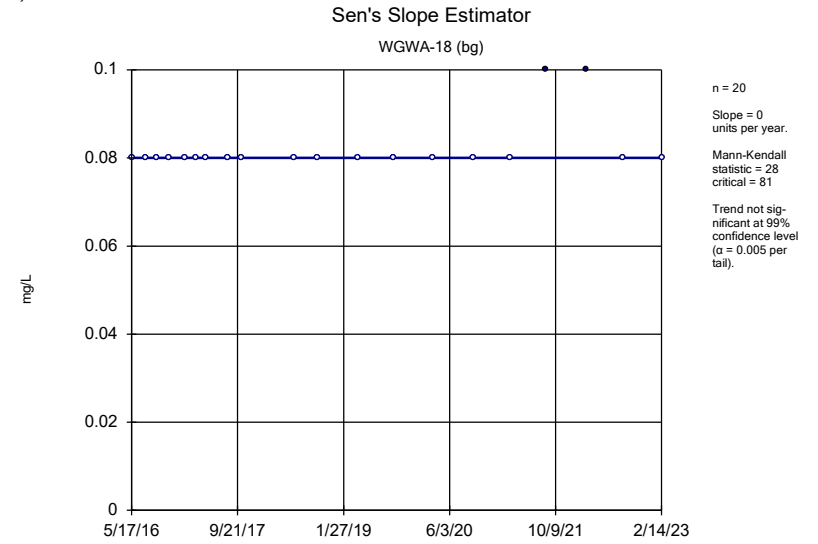
Appendix III Trend Test - All Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/20/2023, 12:45 PM

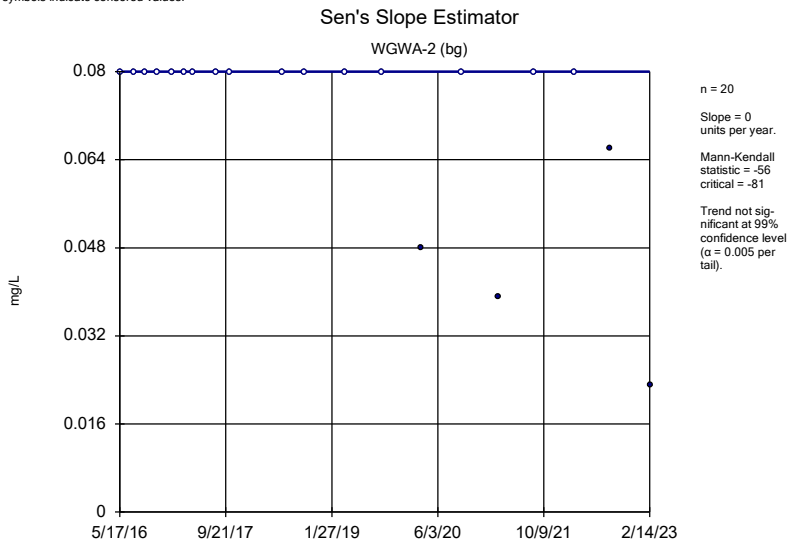
| <u>Constituent</u> | <u>Well</u> | <u>Slope</u> | <u>Calc.</u> | <u>Critical</u> | <u>Sig.</u> | <u>N</u> | <u>%NDs</u> | <u>Normality</u> | <u>Xform</u> | <u>Alpha</u> | <u>Method</u> |
|--|--------------------|---------------|--------------|-----------------|-------------|-----------|-------------|------------------|--------------|--------------|---------------|
| Sulfate as SO4 (mg/L) | WGWA-3 (bg) | -0.008795 | -18 | -81 | No | 20 | 5 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWA-4 (bg) | 0.3955 | 108 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWA-5 (bg) | 0.006046 | 7 | 74 | No | 19 | 21.05 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWA-6 (bg) | -0.02505 | -12 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWA-7 (bg) | 0 | -7 | -81 | No | 20 | 75 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-16 | -77.41 | -97 | -81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-20 | 37.49 | 10 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-21 | 36.17 | 7 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-22 | 17.63 | 8 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-24 | -35.21 | -15 | -21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-25 | 12.63 | 27 | 21 | Yes | 8 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-8 | 13.54 | 140 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate as SO4 (mg/L) | WGWC-9 | 2.768 | 107 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWA-1 (bg) | 3.422 | 77 | 81 | No | 20 | 20 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWA-18 (bg) | -3.687 | -37 | -81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWA-2 (bg) | 1.698 | 26 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWA-3 (bg) | 1.454 | 36 | 81 | No | 20 | 5 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWA-4 (bg) | 1.04 | 36 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWA-5 (bg) | 1.043 | 14 | 74 | No | 19 | 10.53 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWA-6 (bg) | 3.119 | 60 | 81 | No | 20 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWA-7 (bg) | 1.109 | 19 | 81 | No | 20 | 15 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-20 | 176.4 | 10 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-21 | 46.87 | 7 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-22 | 2.578 | 1 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-24 | -240.8 | -20 | -21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-25 | 0 | 2 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | WGWC-8 | 45.28 | 156 | 81 | Yes | 20 | 0 | n/a | n/a | 0.01 | NP |



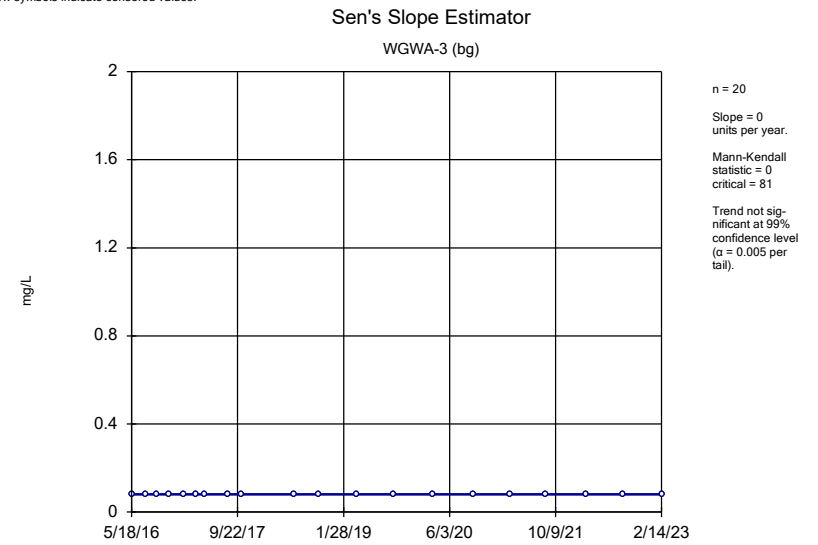
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond



Constituent: Boron, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond



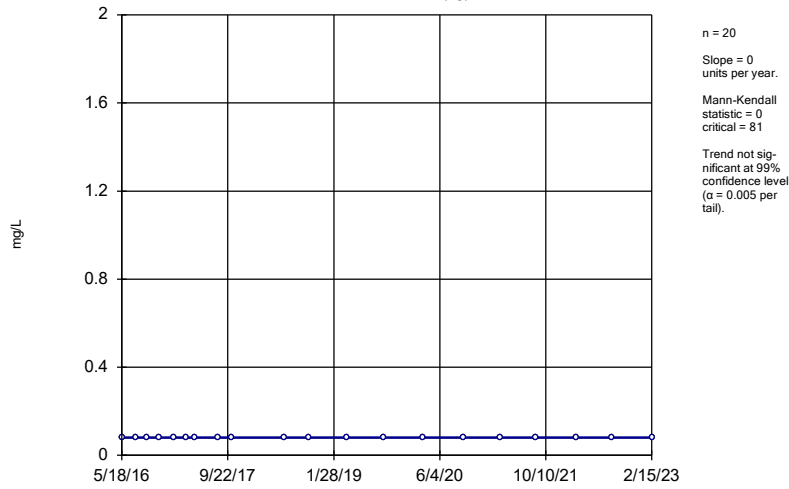
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond



Constituent: Boron, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

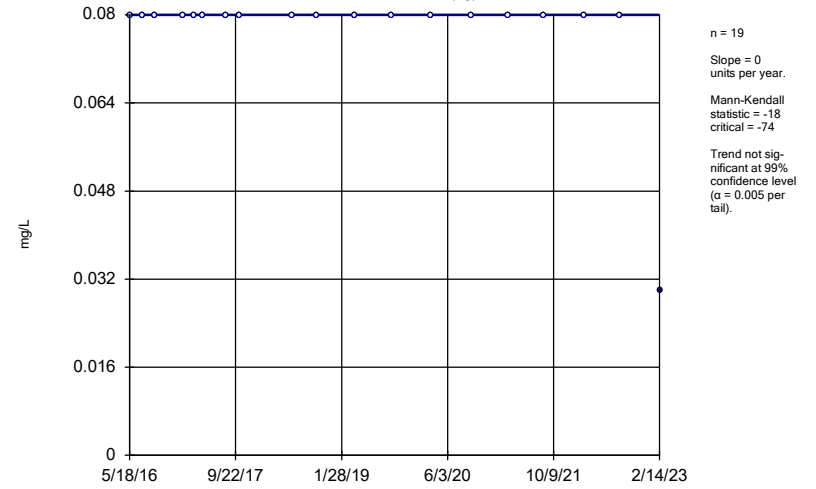
WGWA-4 (bg)



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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

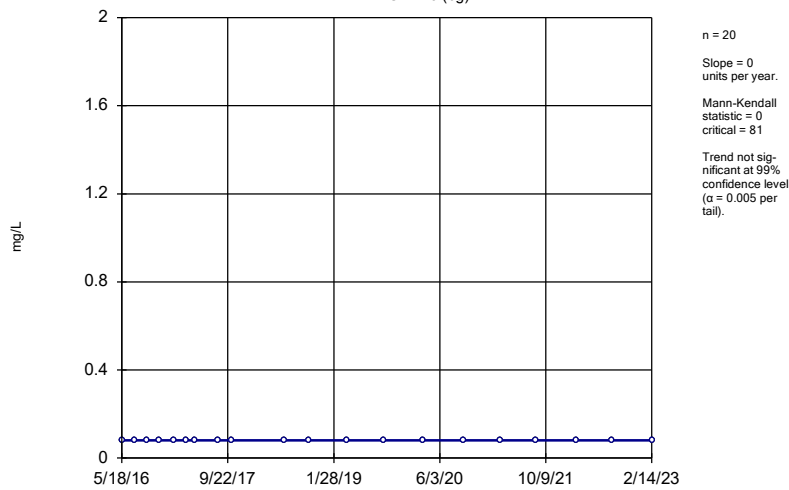
WGWA-5 (bg)



Constituent: Boron, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

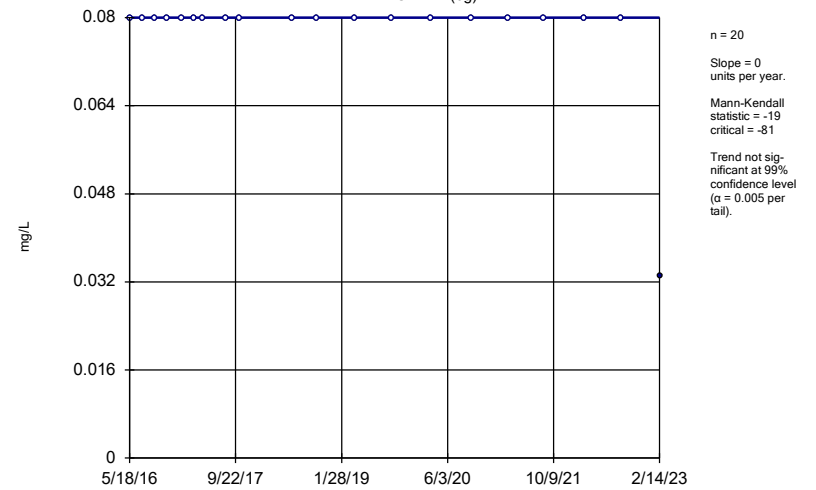
WGWA-6 (bg)



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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

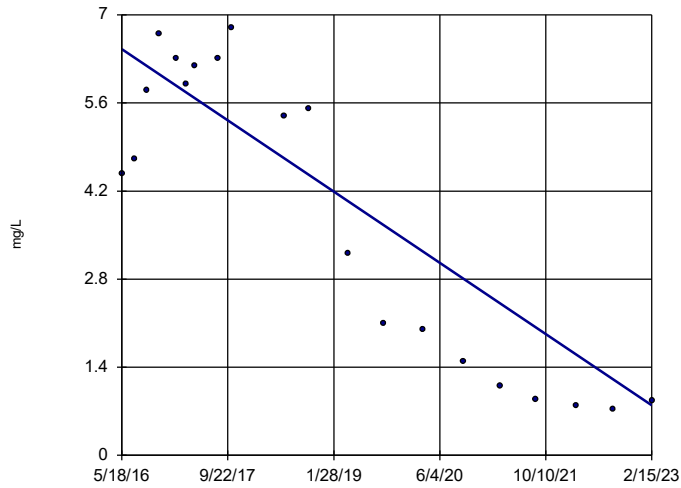
WGWA-7 (bg)



Constituent: Boron, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWC-16

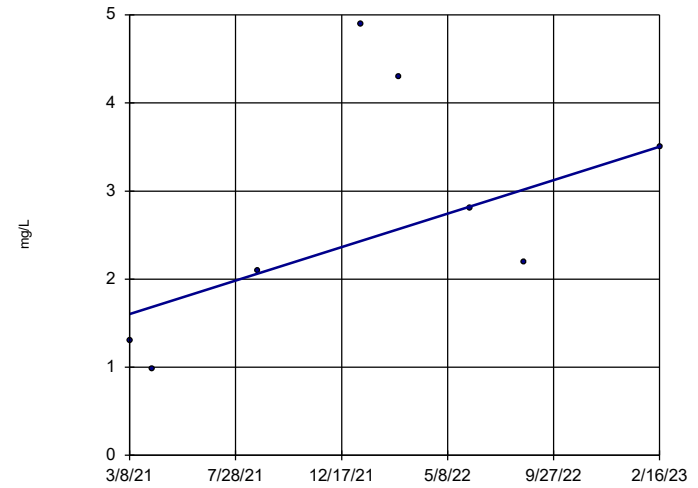


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 Slope = -0.8386
 units per year.
 Mann-Kendall
 statistic = -117
 critical = -81
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWC-20

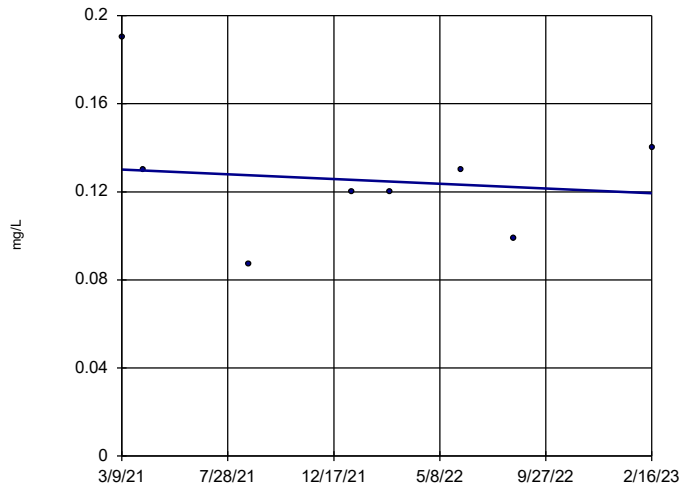


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 Slope = 0.977
 units per year.
 Mann-Kendall
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 critical = 21
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWC-21

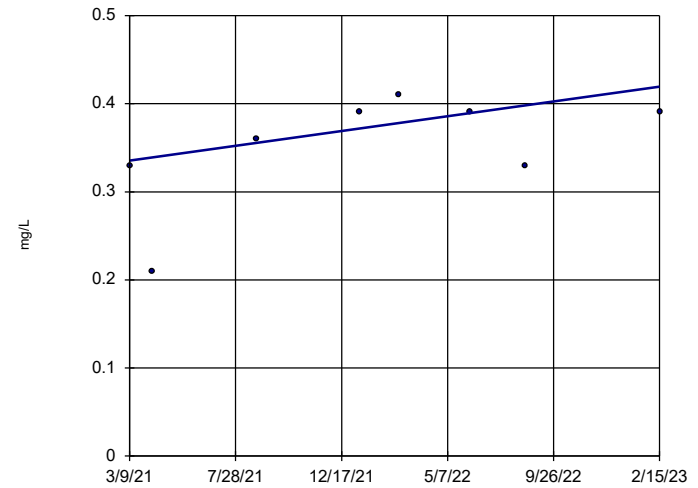


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 units per year.
 Mann-Kendall
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 critical = -21
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 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWC-22

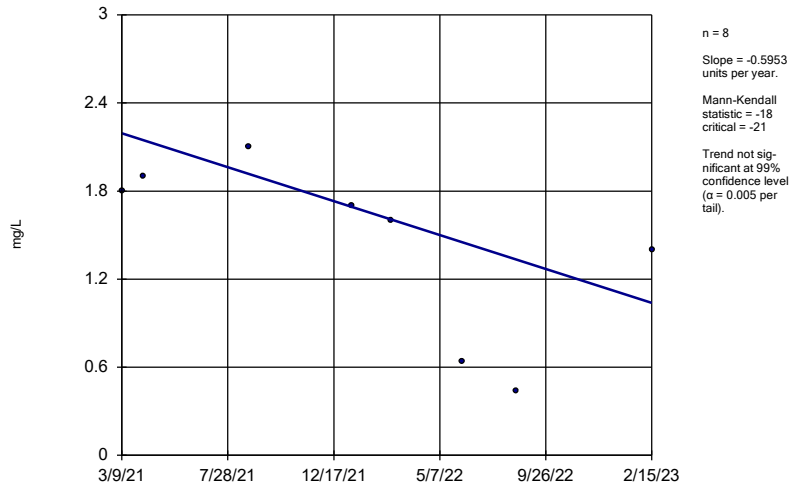


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 Slope = 0.04328
 units per year.
 Mann-Kendall
 statistic = 10
 critical = 21
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

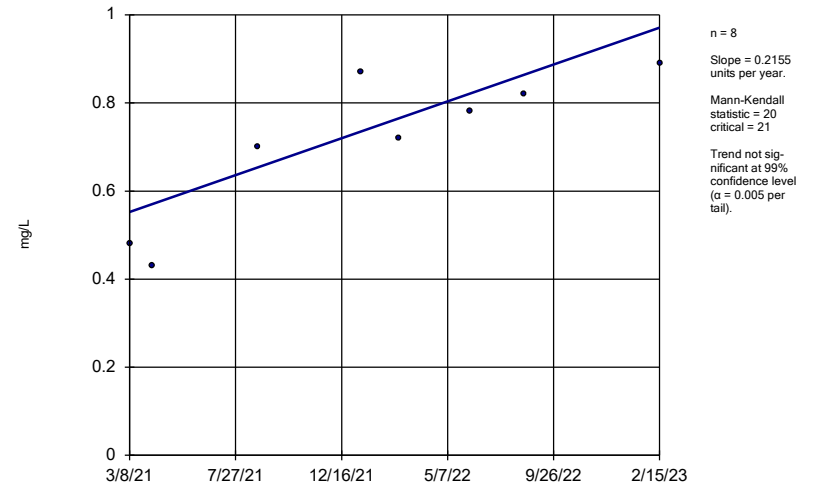
WGWC-24



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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

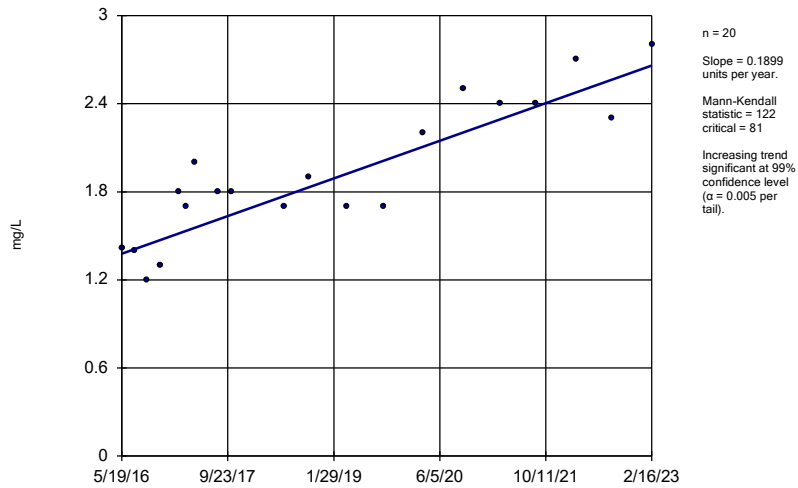
WGWC-25



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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

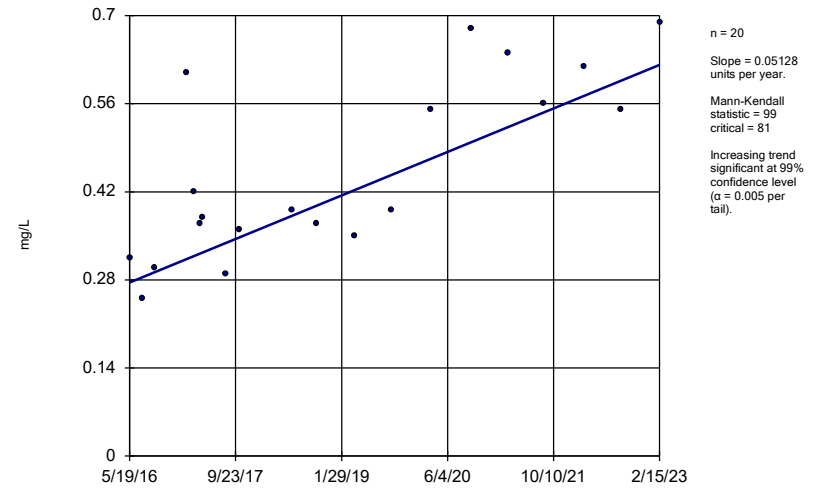
WGWC-8



Constituent: Boron, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

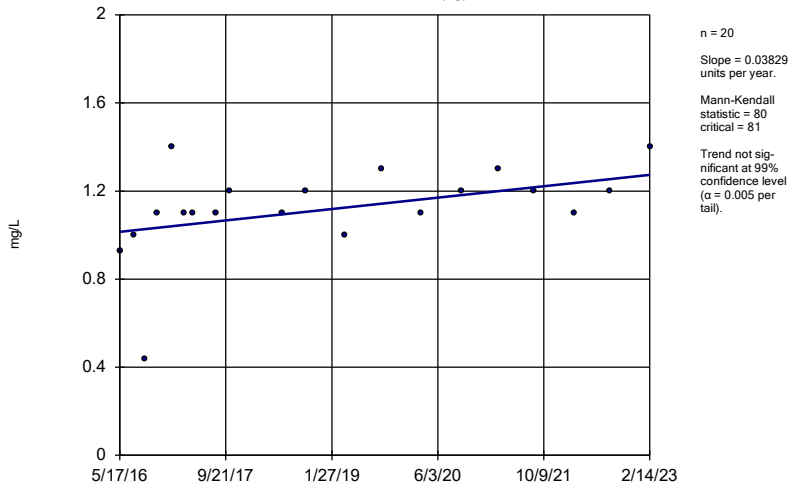
WGWC-9



Constituent: Boron, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

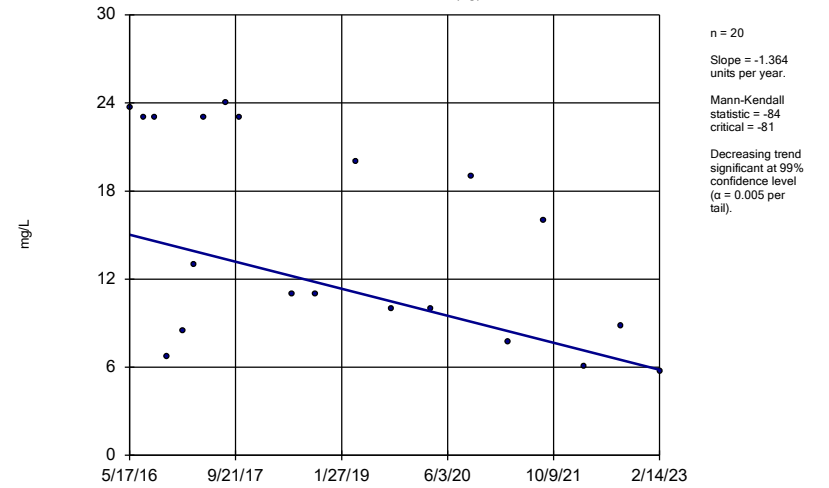
WGWA-1 (bg)



Constituent: Calcium, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

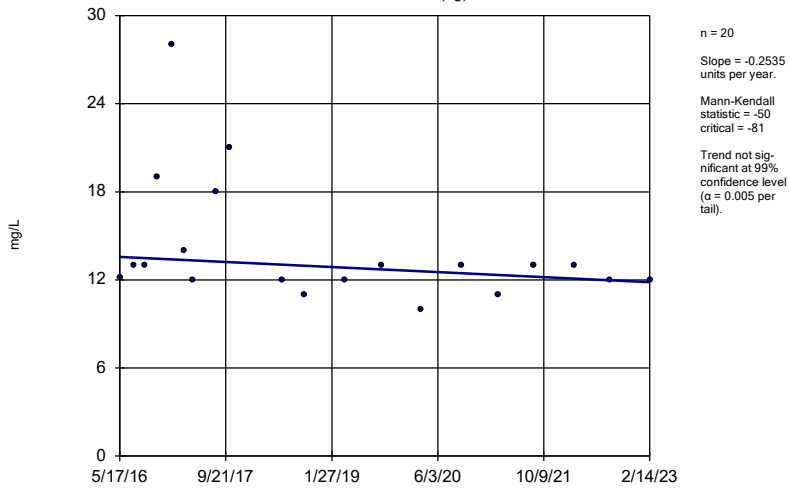
WGWA-18 (bg)



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Sen's Slope Estimator

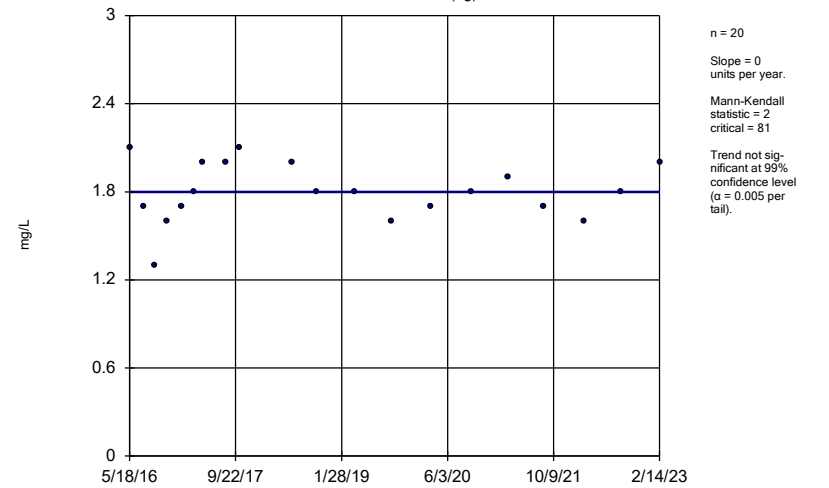
WGWA-2 (bg)



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Sen's Slope Estimator

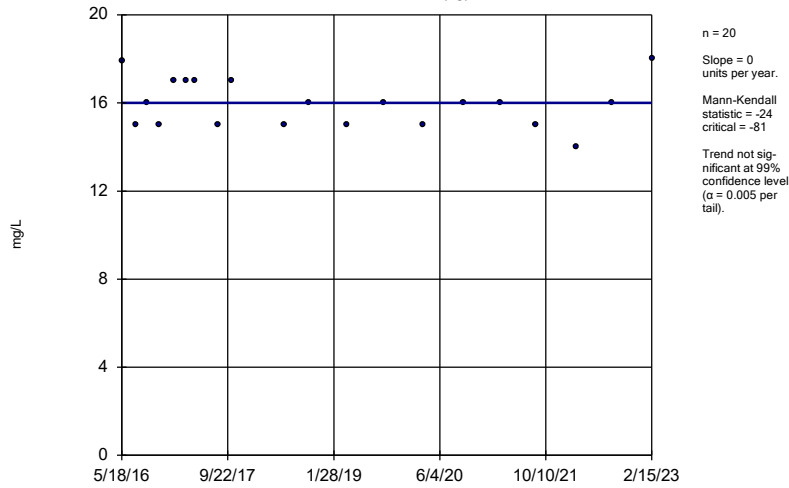
WGWA-3 (bg)



Constituent: Calcium, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

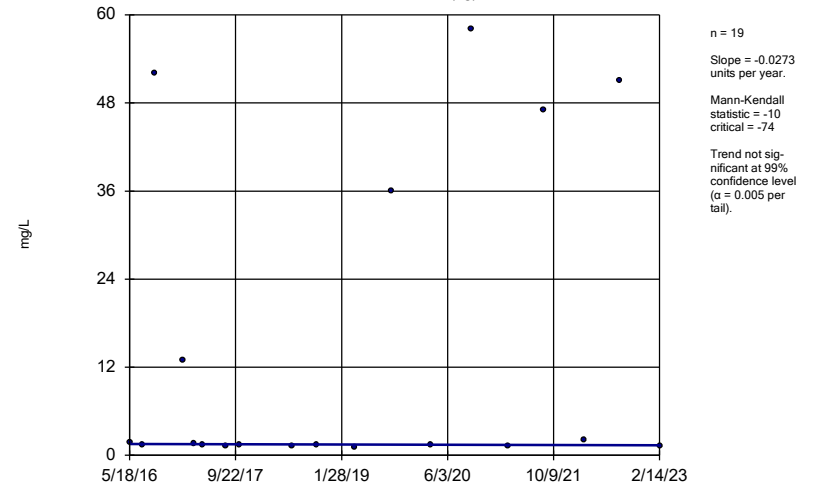
WGWA-4 (bg)



Constituent: Calcium, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

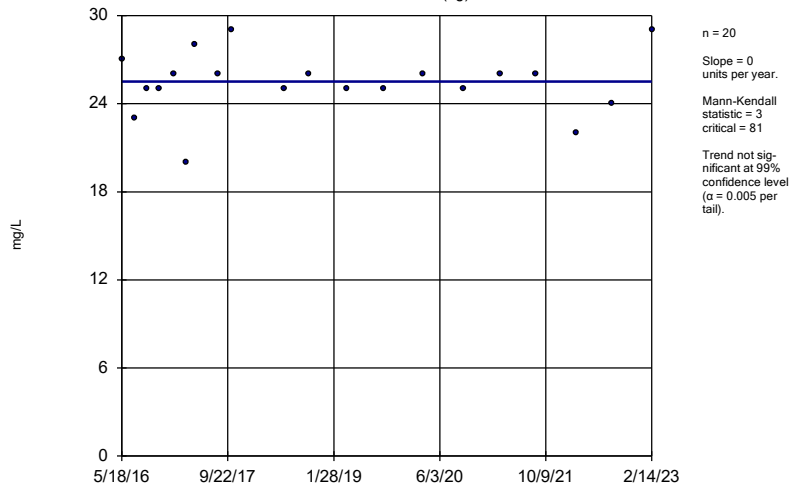
WGWA-5 (bg)



Constituent: Calcium, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

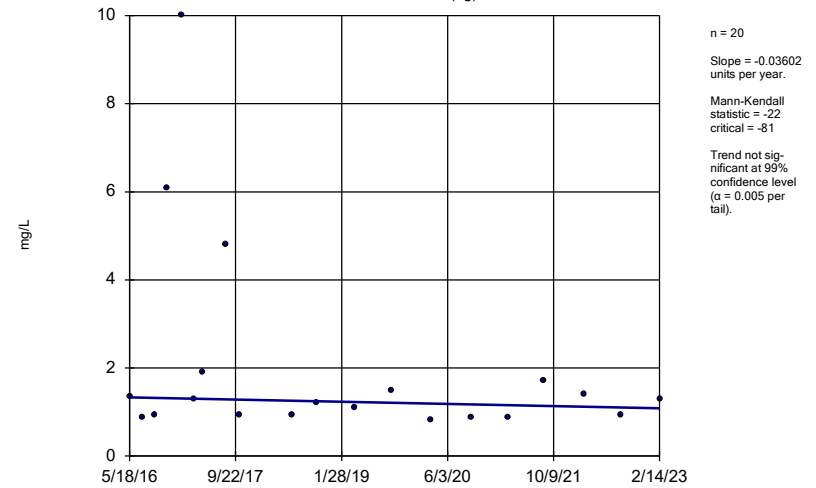
WGWA-6 (bg)



Constituent: Calcium, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

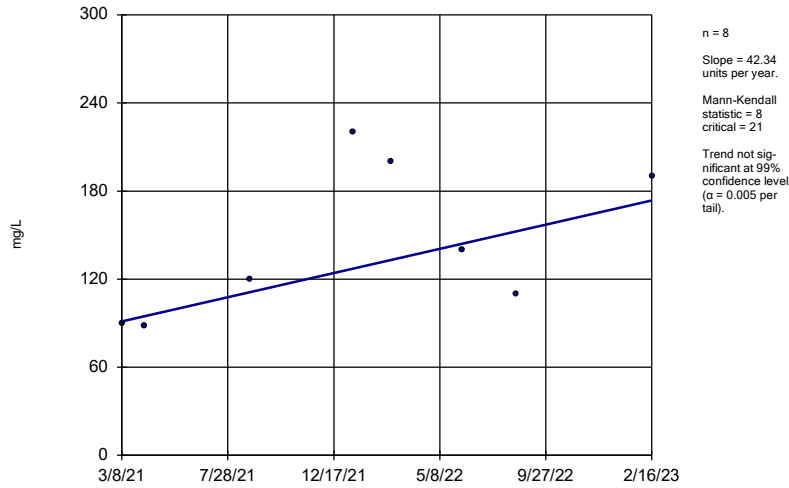
WGWA-7 (bg)



Constituent: Calcium, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

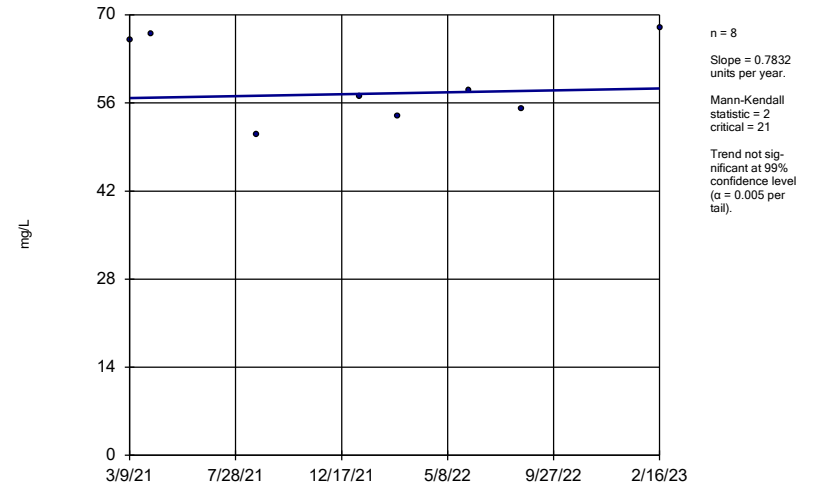
WGWC-20



Constituent: Calcium, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

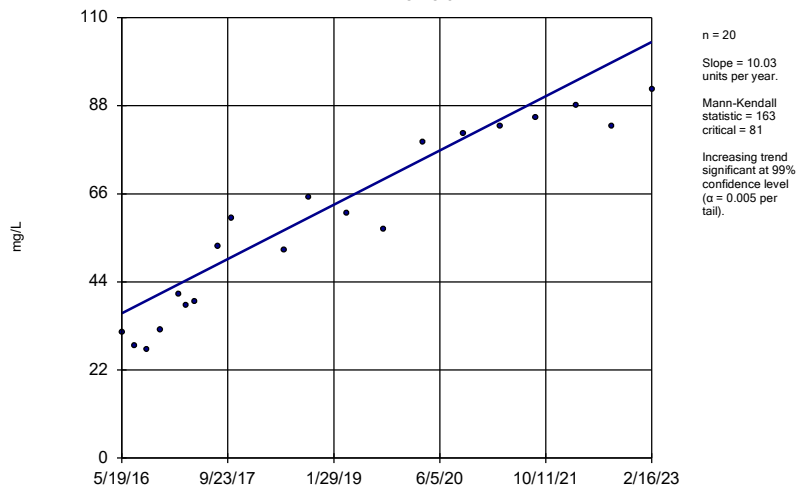
WGWC-21



Constituent: Calcium, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

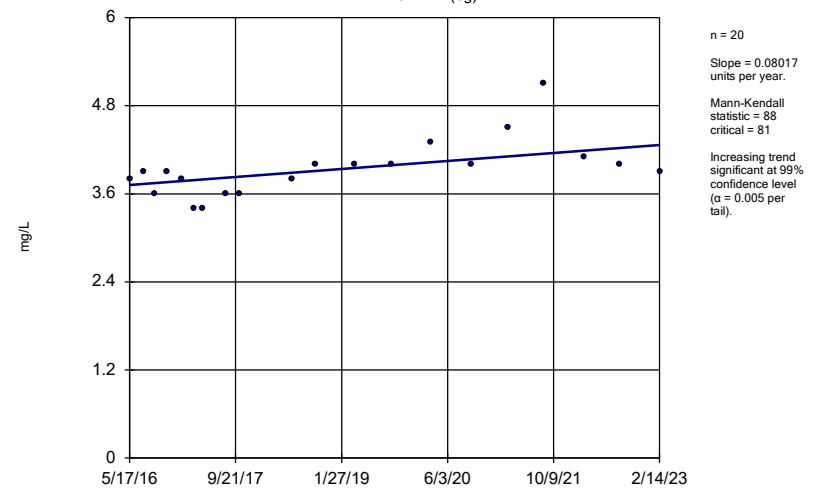
WGWC-8



Constituent: Calcium, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

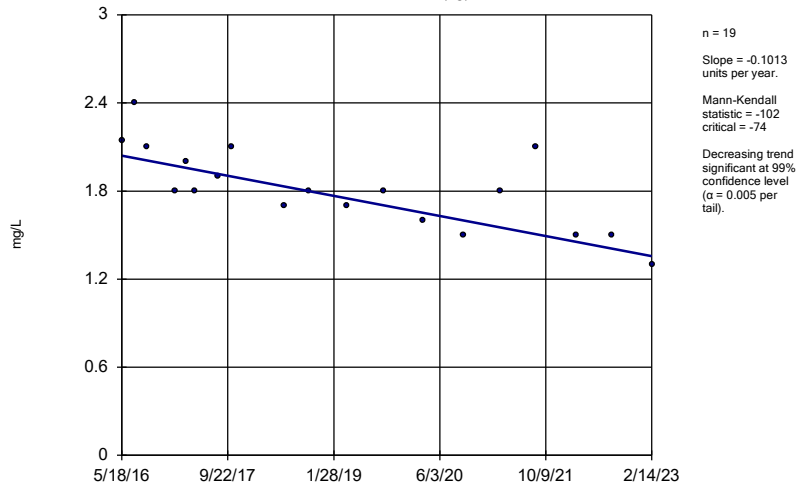
WGWA-1 (bg)



Constituent: Chloride, Total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

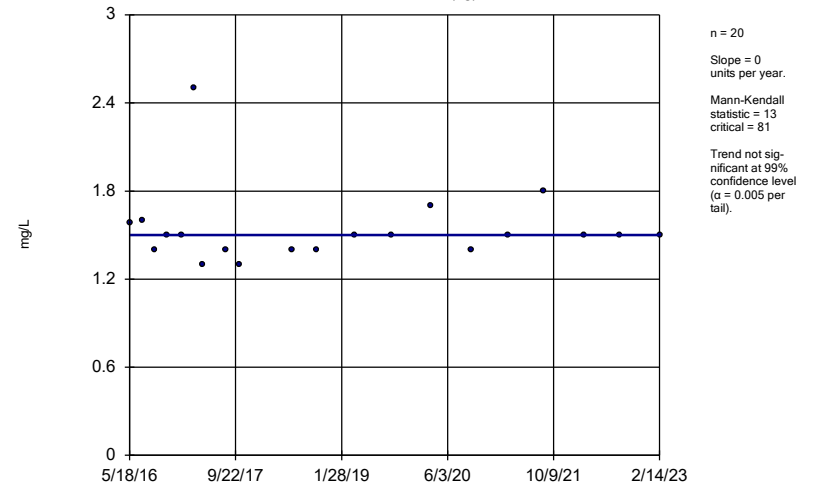
WGWA-5 (bg)



Constituent: Chloride, Total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

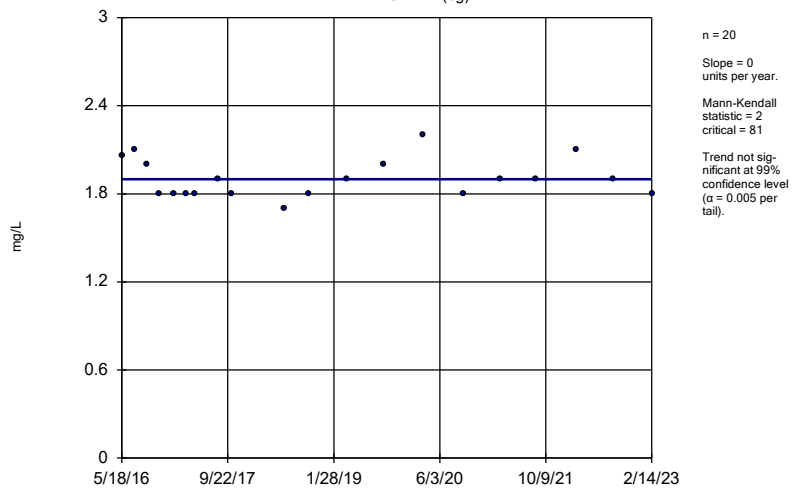
WGWA-6 (bg)



Constituent: Chloride, Total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

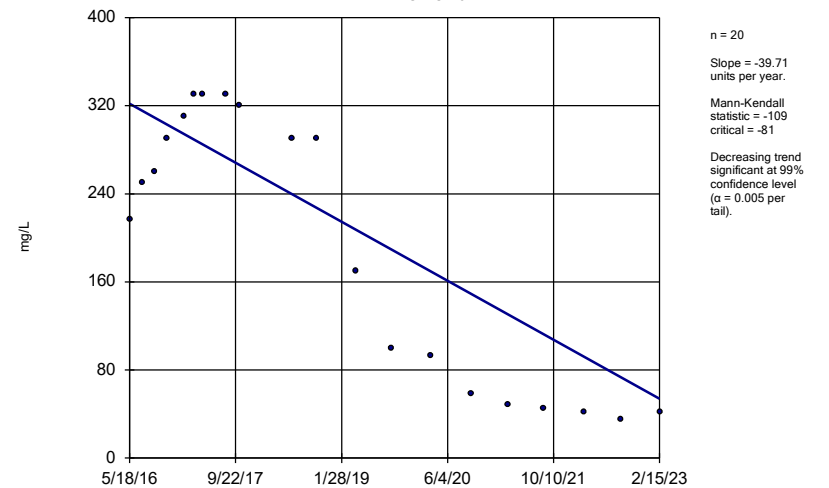
WGWA-7 (bg)



Constituent: Chloride, Total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

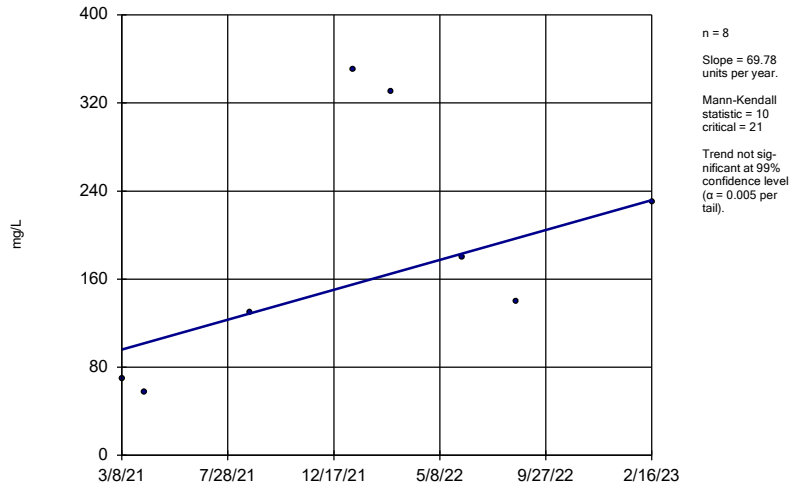
WGWC-16



Constituent: Chloride, Total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

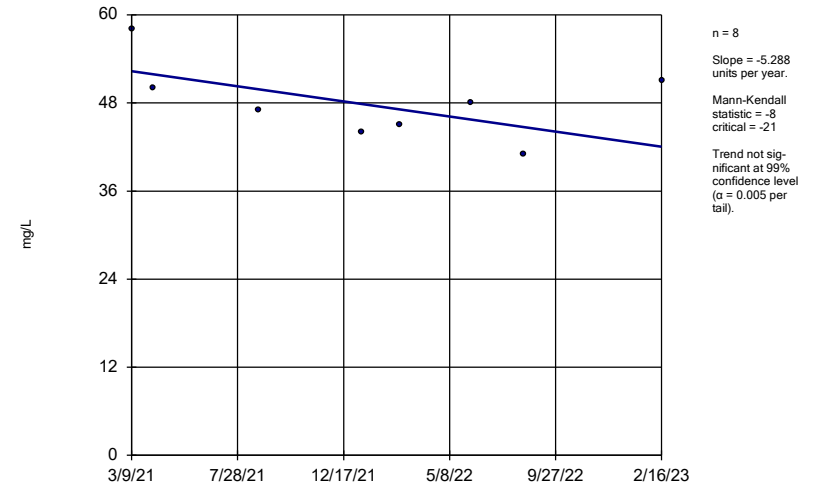
WGWC-20



Constituent: Chloride, Total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

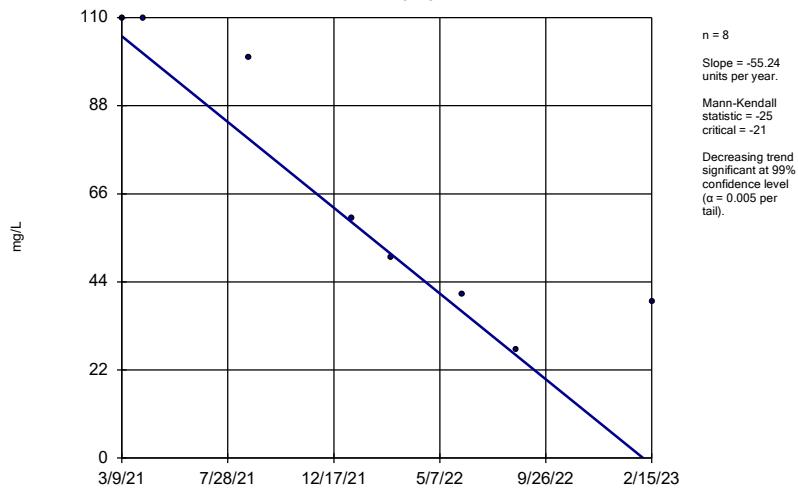
WGWC-21



Constituent: Chloride, Total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

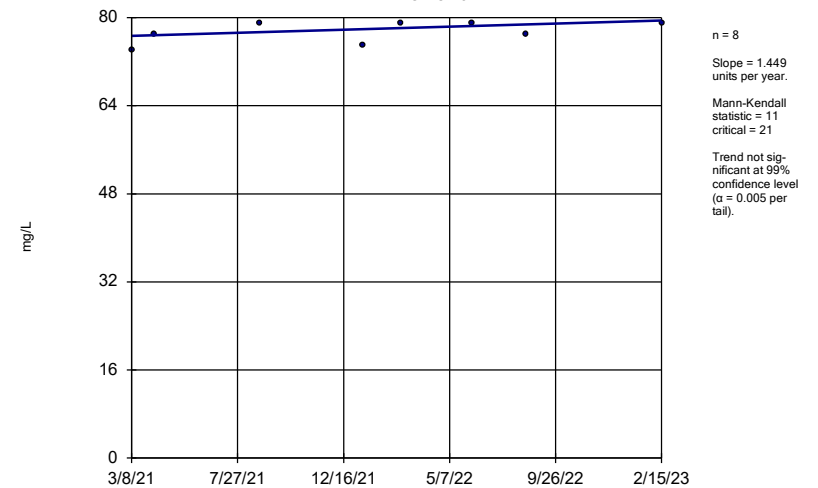
WGWC-24



Constituent: Chloride, Total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

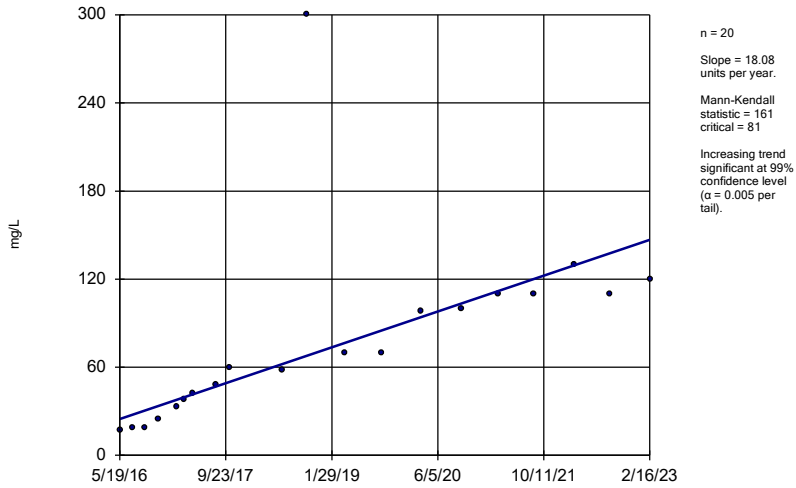
WGWC-25



Constituent: Chloride, Total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWC-8

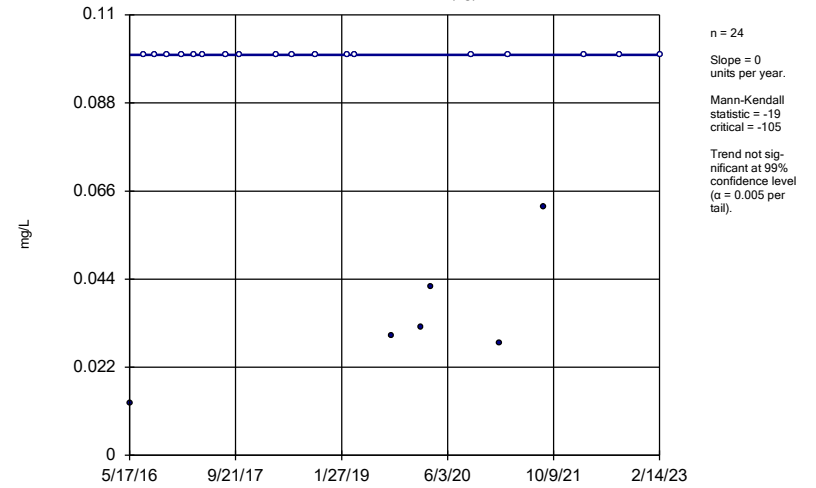


Constituent: Chloride, Total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-1 (bg)

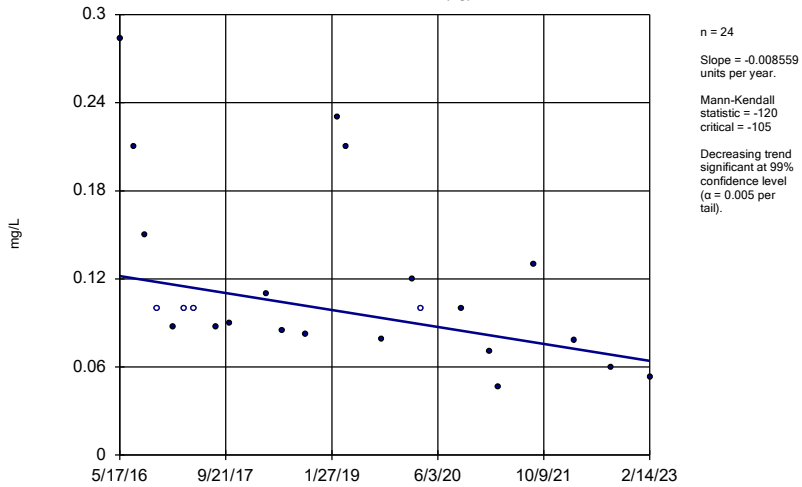


Constituent: Fluoride, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-18 (bg)

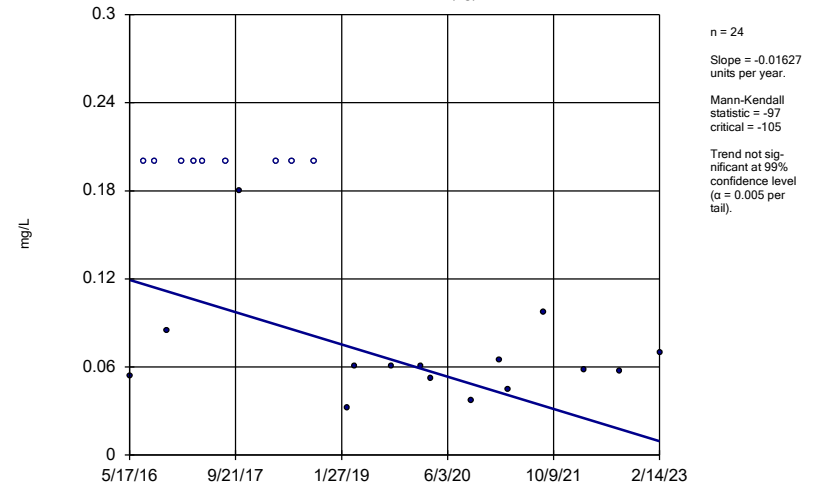


Constituent: Fluoride, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Hollow symbols indicate censored values.

Sen's Slope Estimator

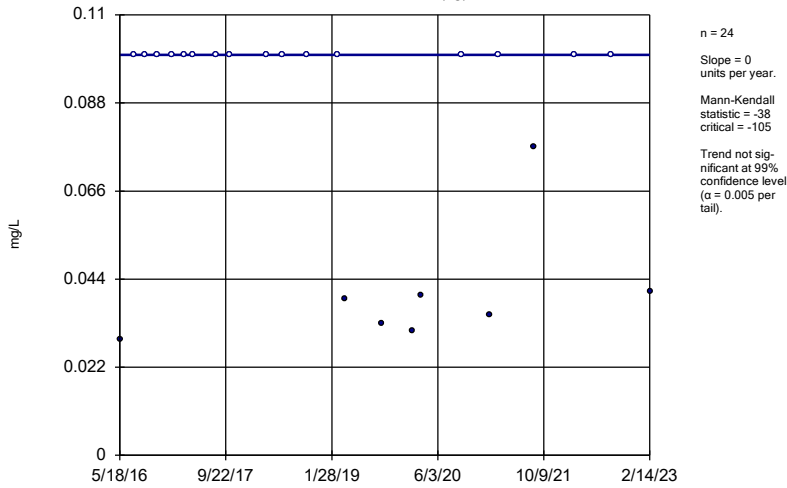
WGWA-2 (bg)



Constituent: Fluoride, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

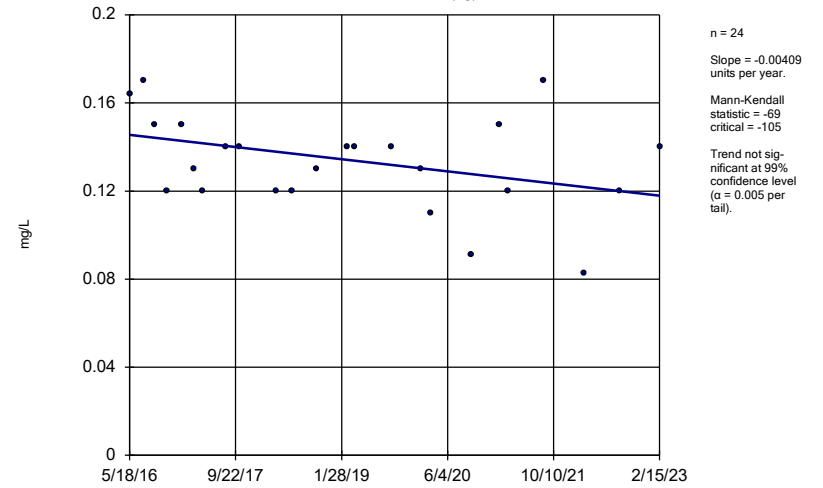
WGWA-3 (bg)



Constituent: Fluoride, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

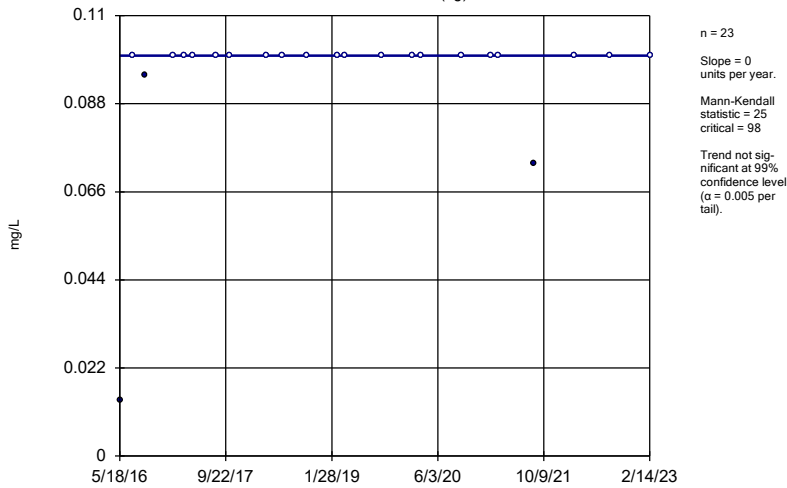
WGWA-4 (bg)



Constituent: Fluoride, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

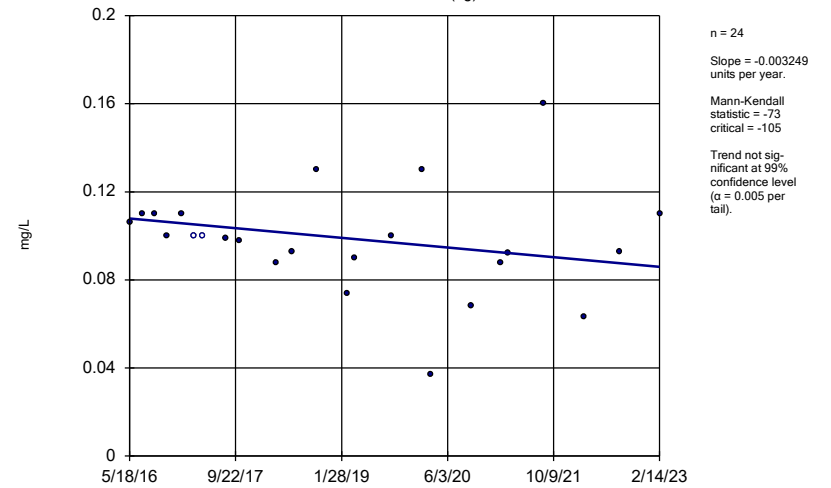
WGWA-5 (bg)



Constituent: Fluoride, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

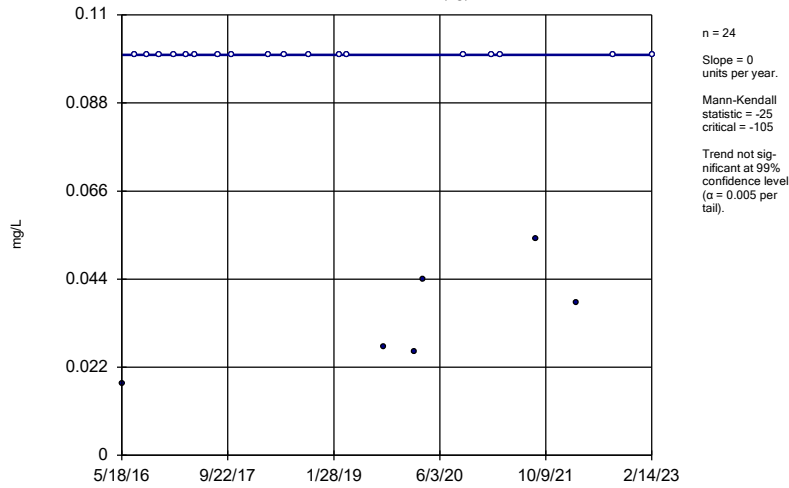
WGWA-6 (bg)



Constituent: Fluoride, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

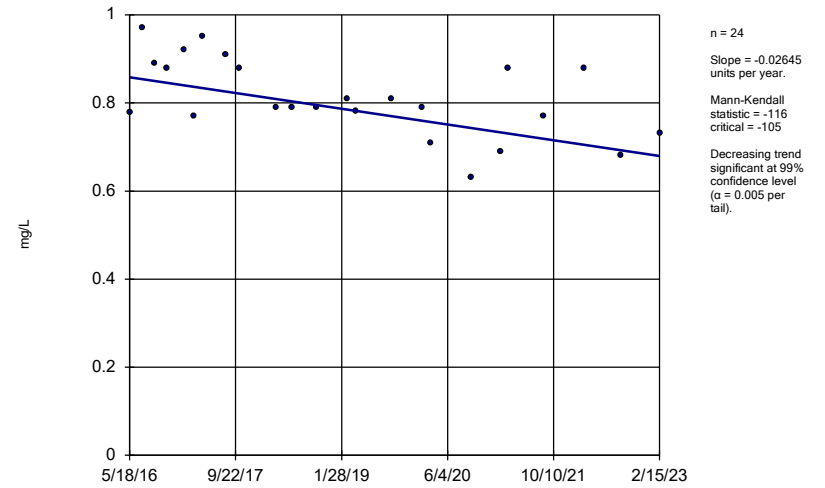
WGWA-7 (bg)



Constituent: Fluoride, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

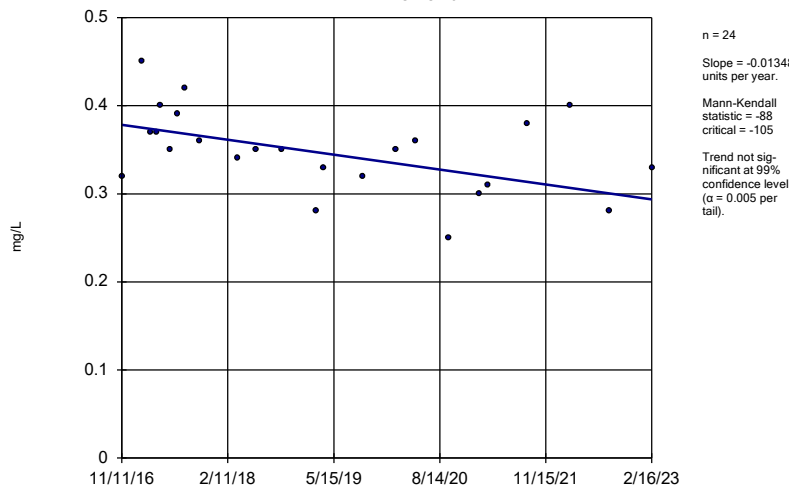
WGWC-15



Constituent: Fluoride, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

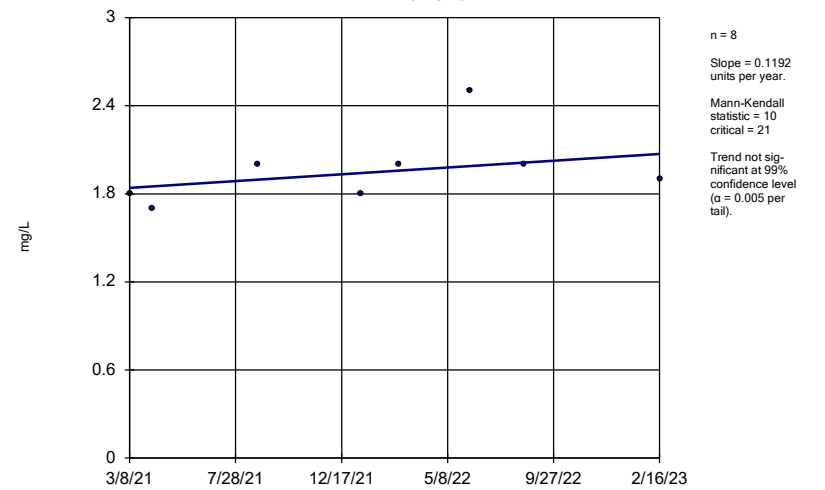
WGWC-19



Constituent: Fluoride, total Analysis Run 4/20/2023 12:42 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

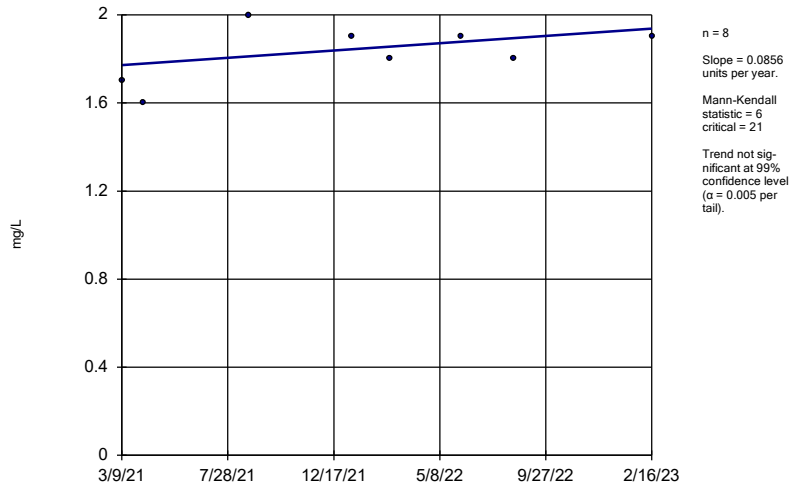
WGWC-20



Constituent: Fluoride, total Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

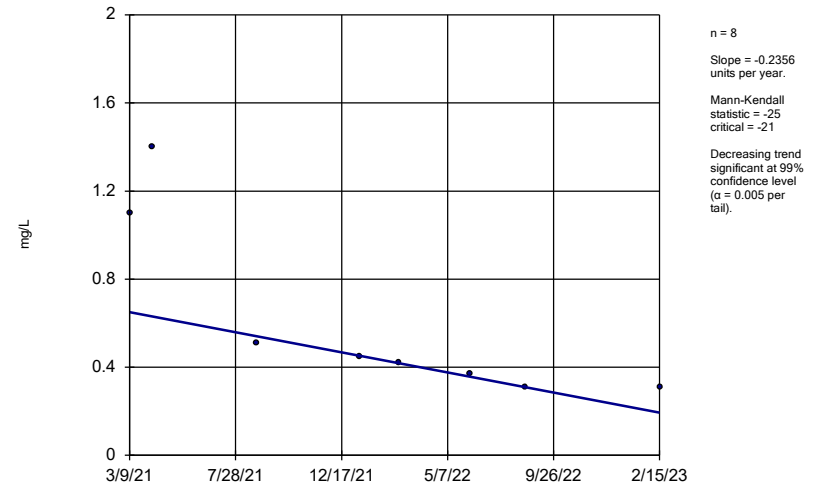
WGWC-21



Constituent: Fluoride, total Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

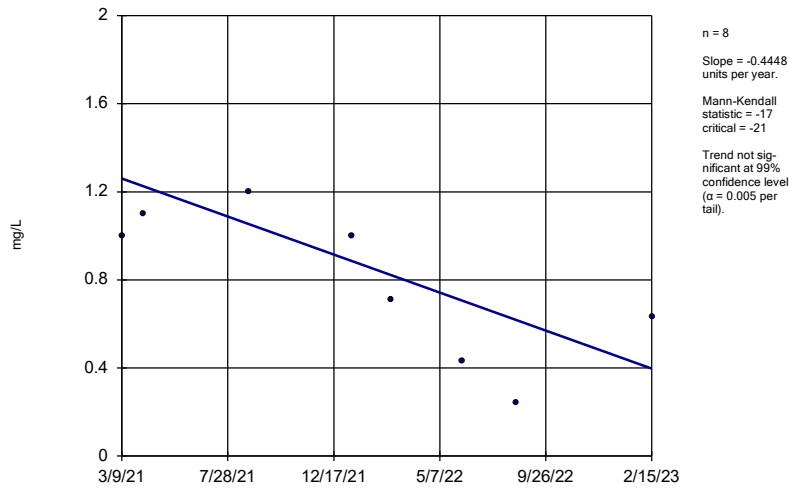
WGWC-22



Constituent: Fluoride, total Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

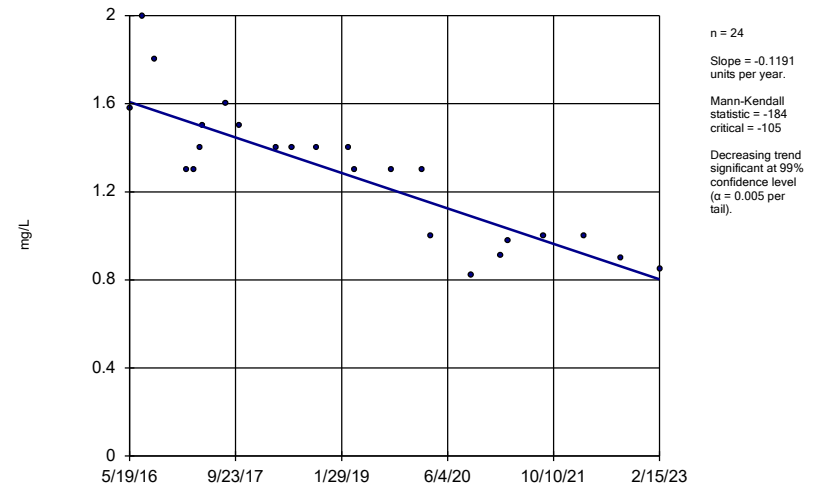
WGWC-24



Constituent: Fluoride, total Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

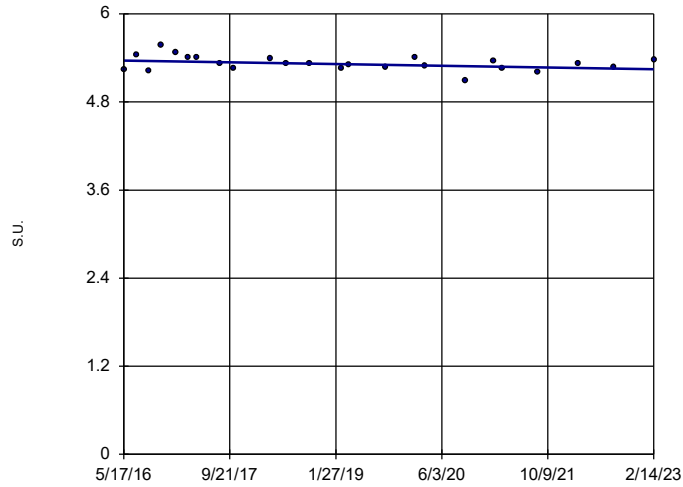
WGWC-9



Constituent: Fluoride, total Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWA-1 (bg)

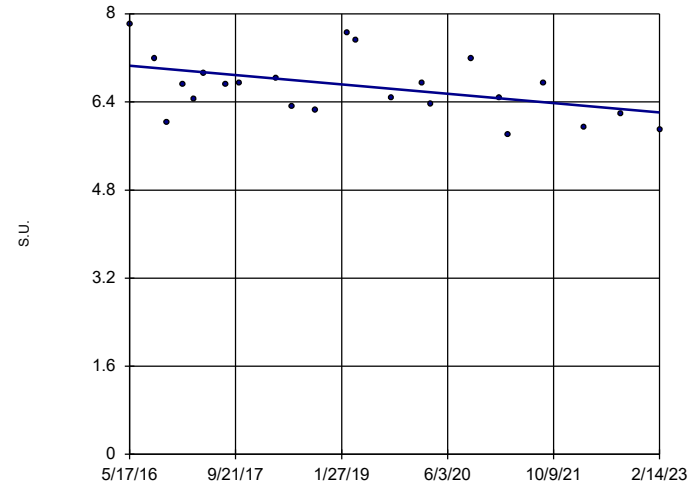


n = 24
 Slope = -0.01725
 units per year.
 Mann-Kendall
 statistic = -67
 critical = -105
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH, Field Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWA-18 (bg)

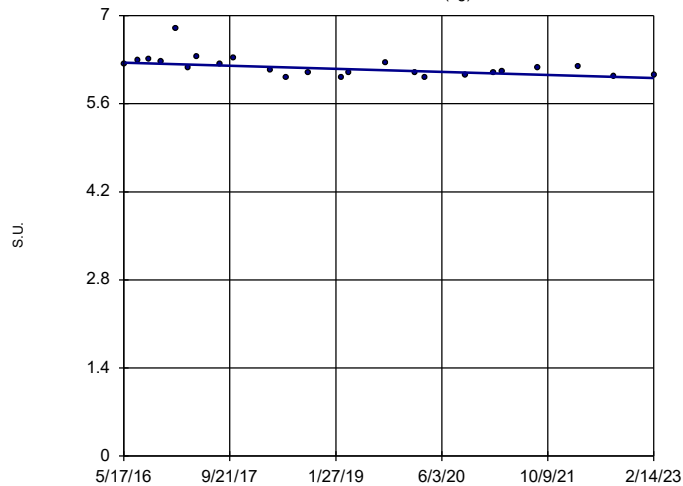


n = 23
 Slope = -0.1261
 units per year.
 Mann-Kendall
 statistic = -78
 critical = -98
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH, Field Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWA-2 (bg)

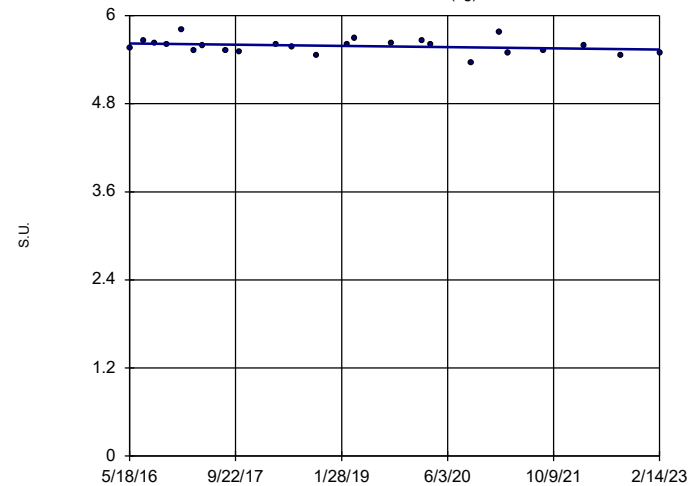


n = 24
 Slope = -0.03618
 units per year.
 Mann-Kendall
 statistic = -111
 critical = -105
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH, Field Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWA-3 (bg)

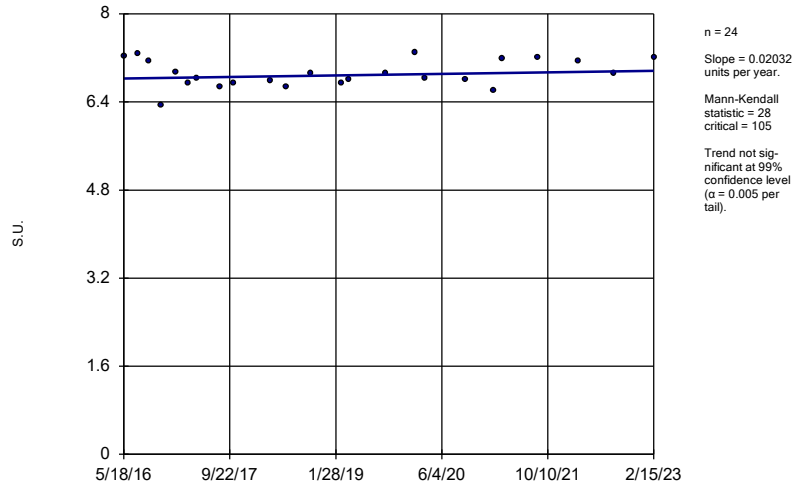


n = 24
 Slope = -0.0126
 units per year.
 Mann-Kendall
 statistic = -59
 critical = -105
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH, Field Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

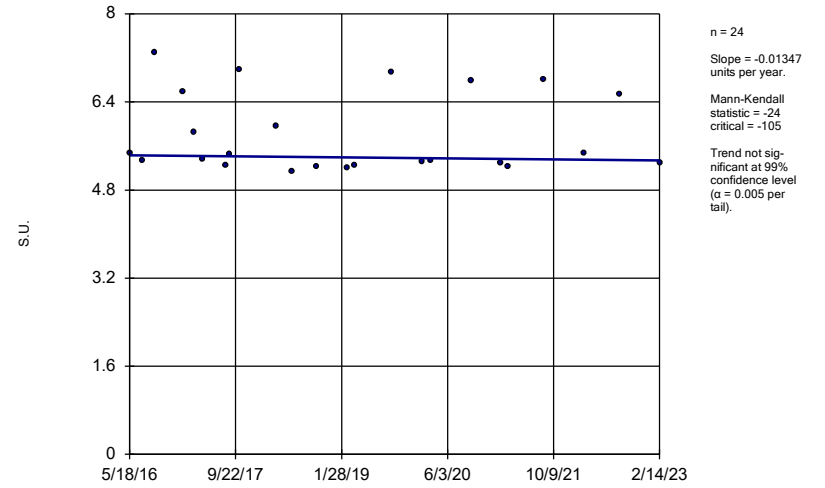
WGWA-4 (bg)



Constituent: pH, Field Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

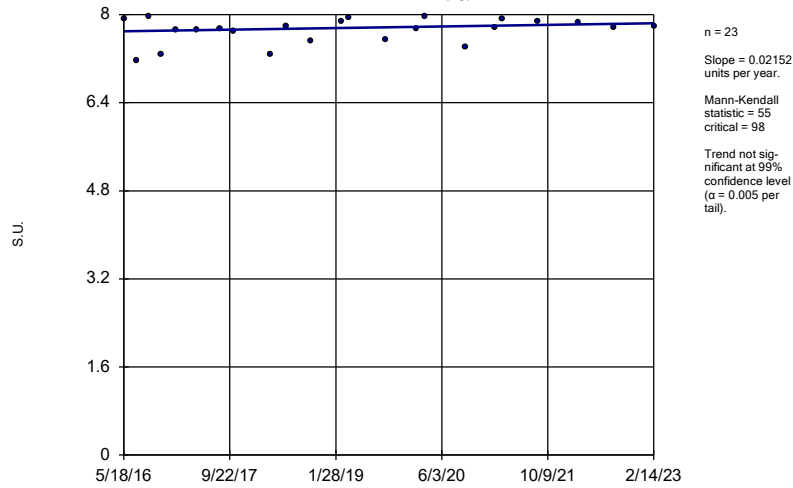
WGWA-5 (bg)



Constituent: pH, Field Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

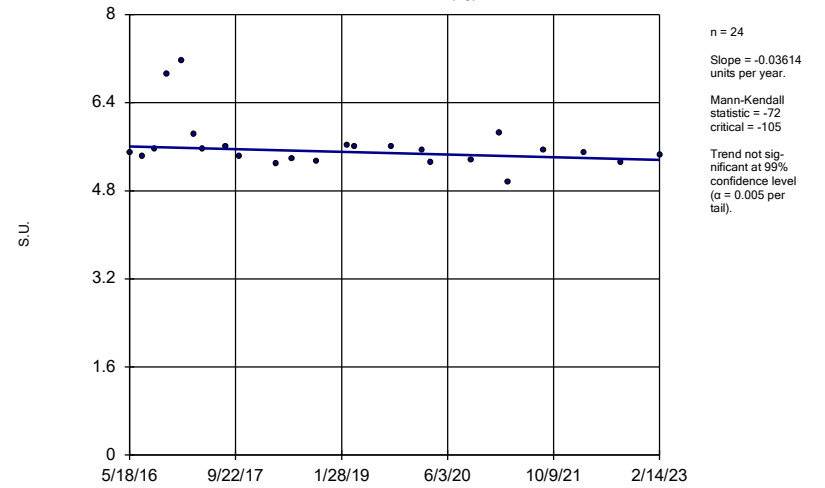
WGWA-6 (bg)



Constituent: pH, Field Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

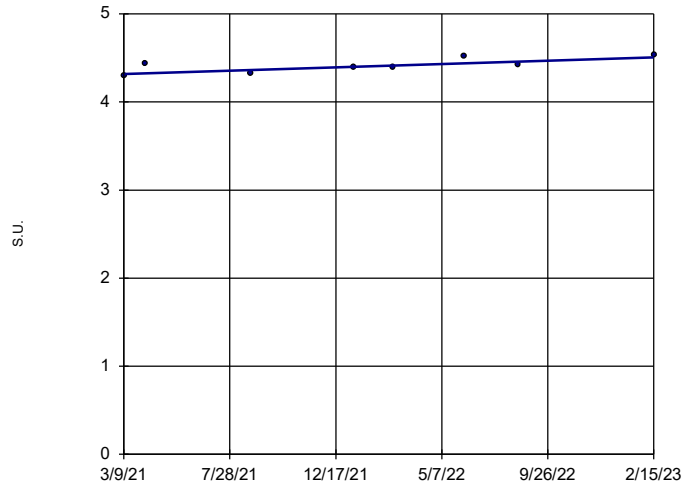
WGWA-7 (bg)



Constituent: pH, Field Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWC-24



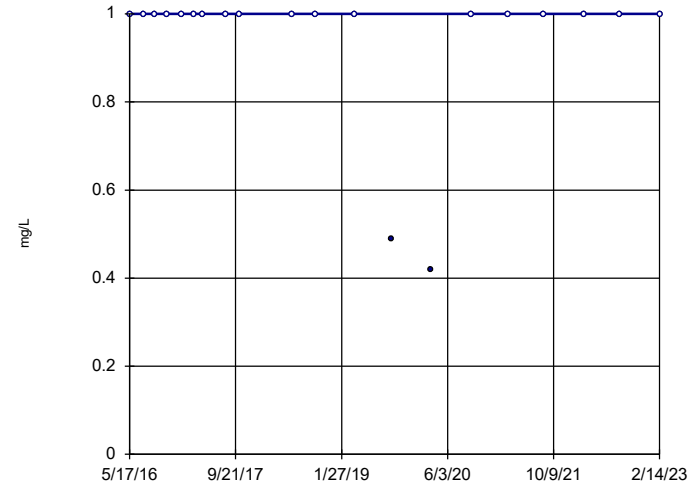
n = 8
 Slope = 0.09684
 units per year.
 Mann-Kendall
 statistic = 17
 critical = 21
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH, Field Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-1 (bg)

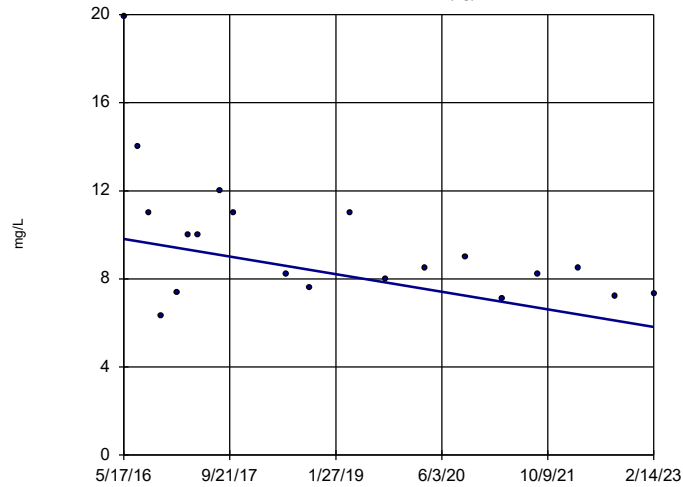


n = 20
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = -13
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate as SO4 Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWA-18 (bg)

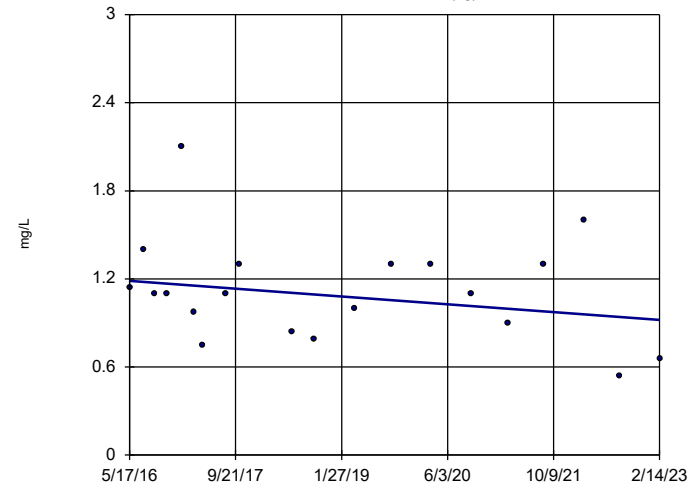


n = 20
 Slope = -0.5911
 units per year.
 Mann-Kendall
 statistic = -72
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate as SO4 Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWA-2 (bg)

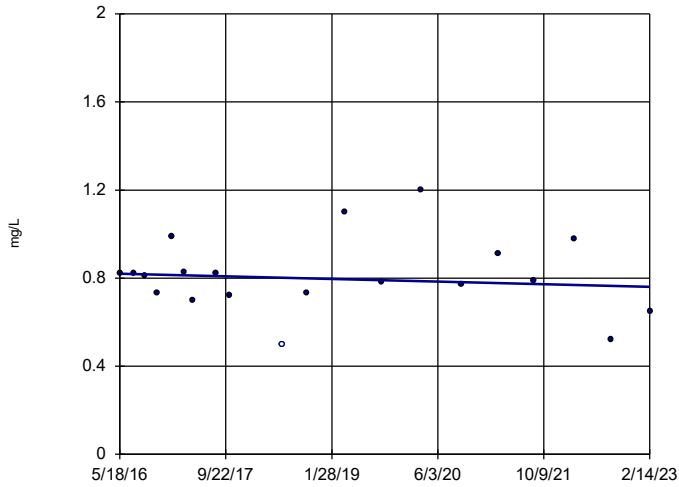


n = 20
 Slope = -0.03939
 units per year.
 Mann-Kendall
 statistic = -32
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate as SO4 Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWA-3 (bg)

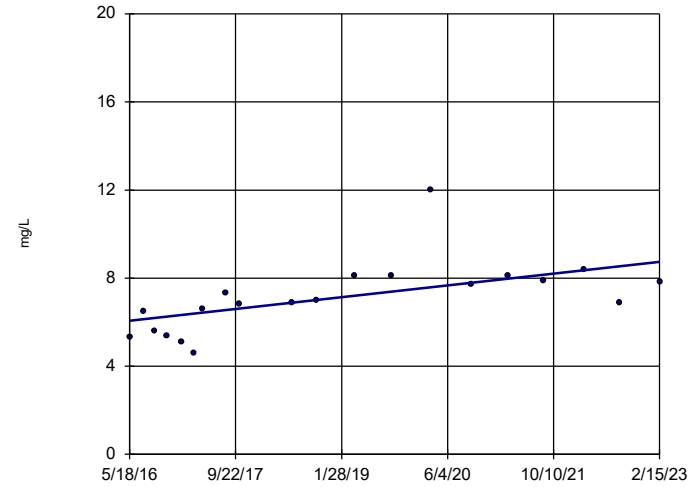


n = 20
Slope = -0.008795
units per year.
Mann-Kendall
statistic = -18
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate as SO4 Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWA-4 (bg)

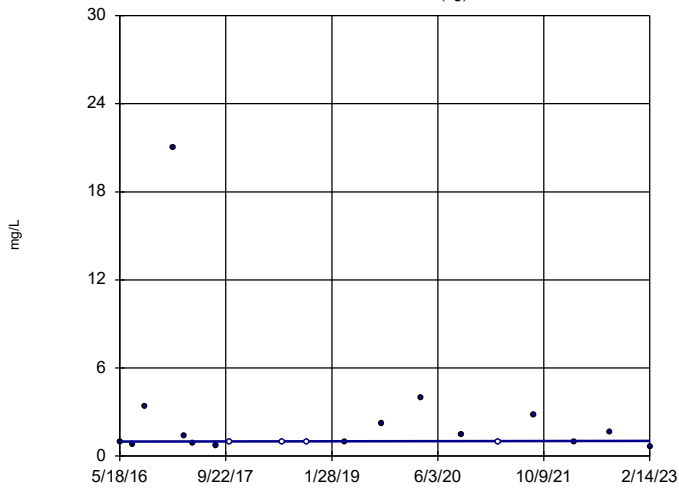


n = 20
Slope = 0.3955
units per year.
Mann-Kendall
statistic = 108
critical = 81
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate as SO4 Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWA-5 (bg)

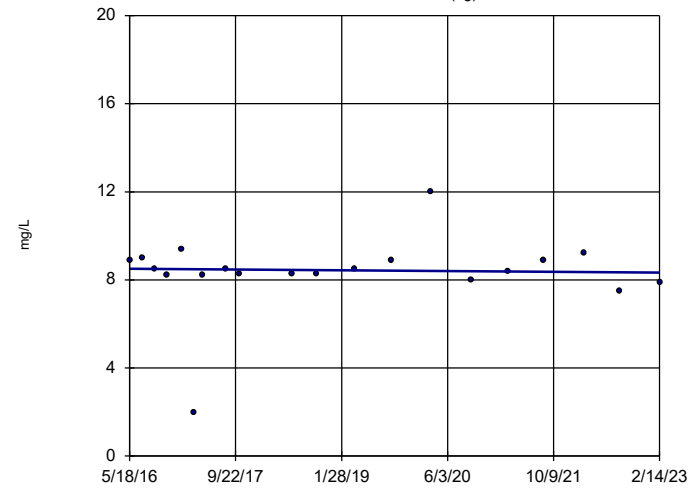


n = 19
Slope = 0.006046
units per year.
Mann-Kendall
statistic = 7
critical = 74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate as SO4 Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWA-6 (bg)

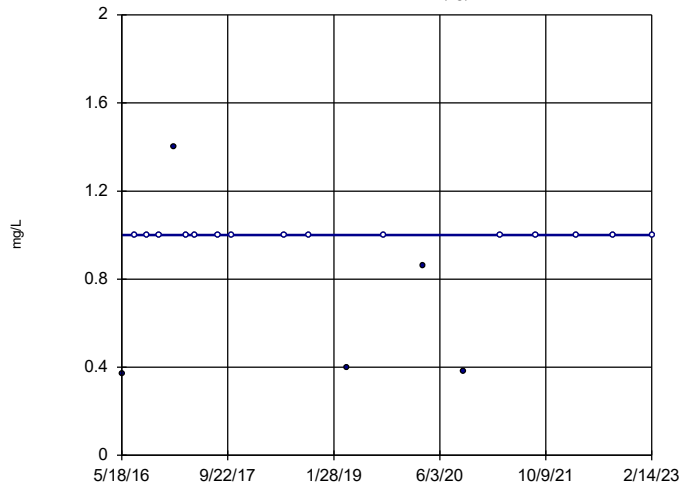


n = 20
Slope = -0.02505
units per year.
Mann-Kendall
statistic = -12
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate as SO4 Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWA-7 (bg)

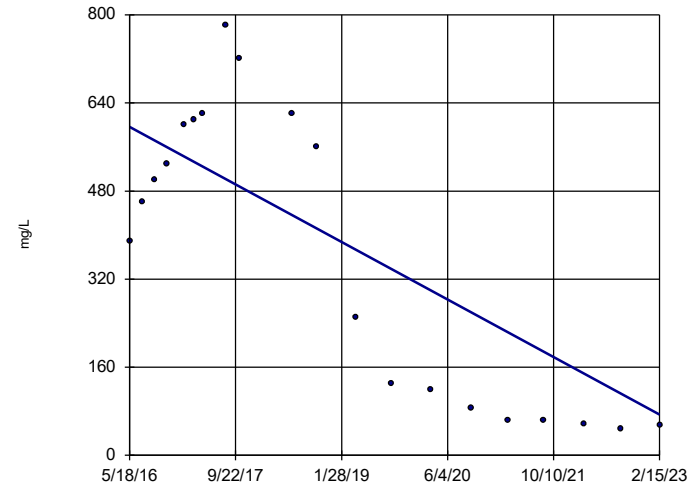


n = 20
Slope = 0
units per year.
Mann-Kendall
statistic = -7
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate as SO4 Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWC-16

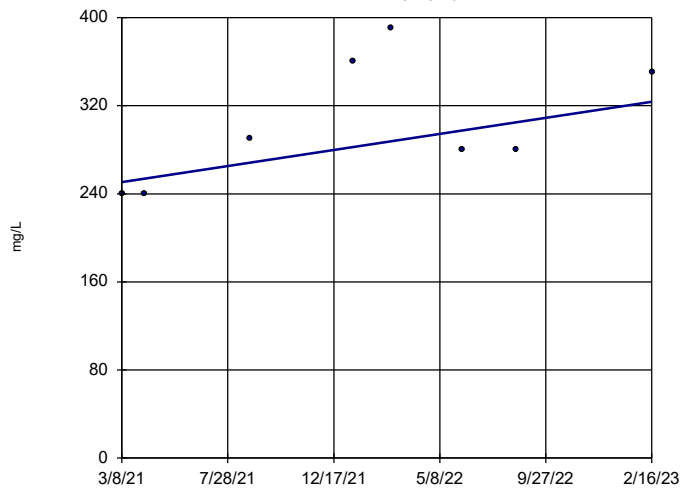


n = 20
Slope = -77.41
units per year.
Mann-Kendall
statistic = -97
critical = -81
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate as SO4 Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWC-20

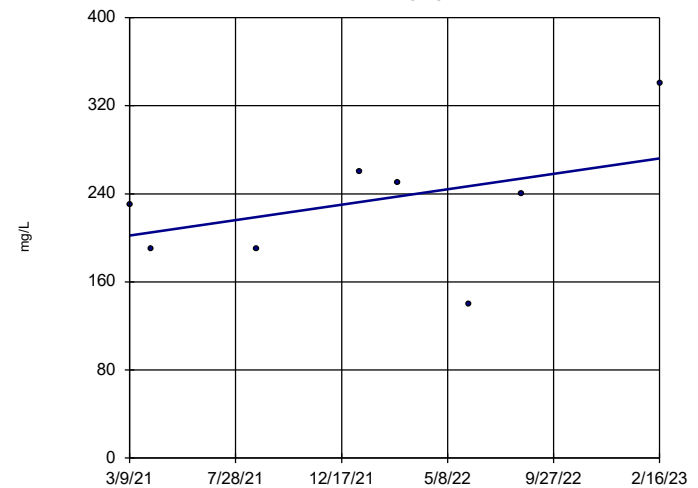


n = 8
Slope = 37.49
units per year.
Mann-Kendall
statistic = 10
critical = 21
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate as SO4 Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWC-21

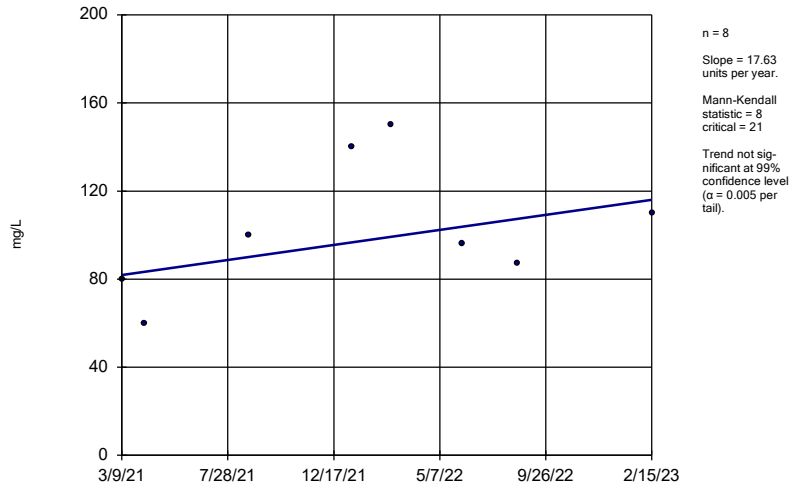


n = 8
Slope = 36.17
units per year.
Mann-Kendall
statistic = 7
critical = 21
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate as SO4 Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

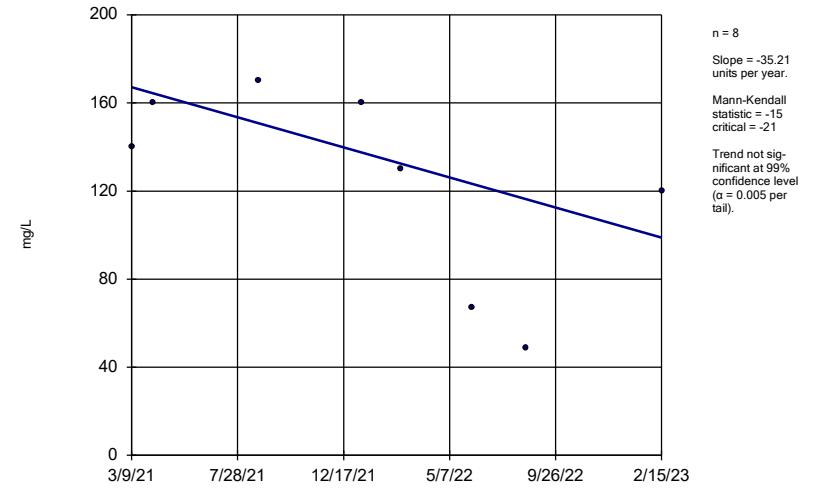
WGWC-22



Constituent: Sulfate as SO4 Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

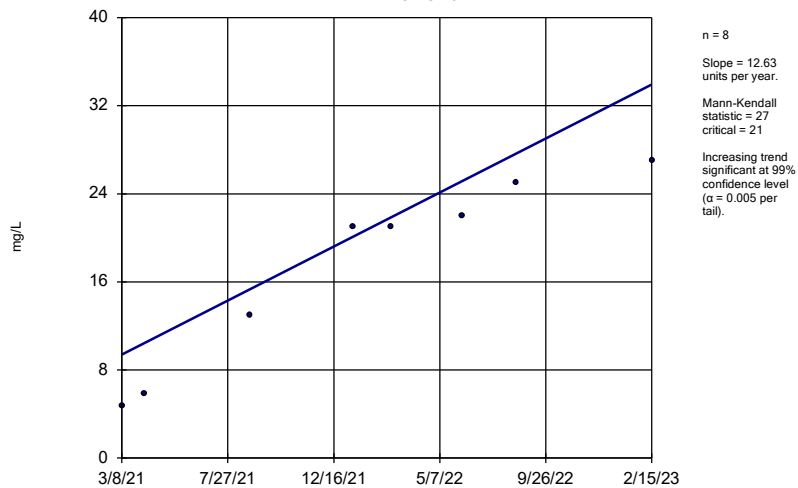
WGWC-24



Constituent: Sulfate as SO4 Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

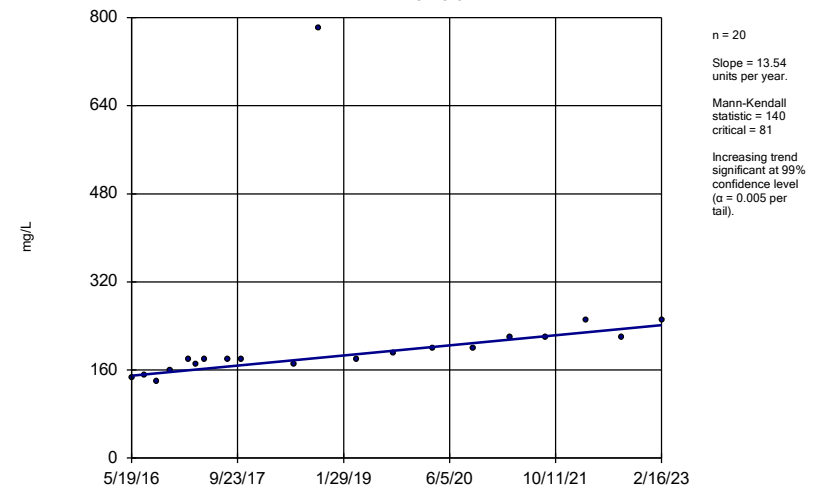
WGWC-25



Constituent: Sulfate as SO4 Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

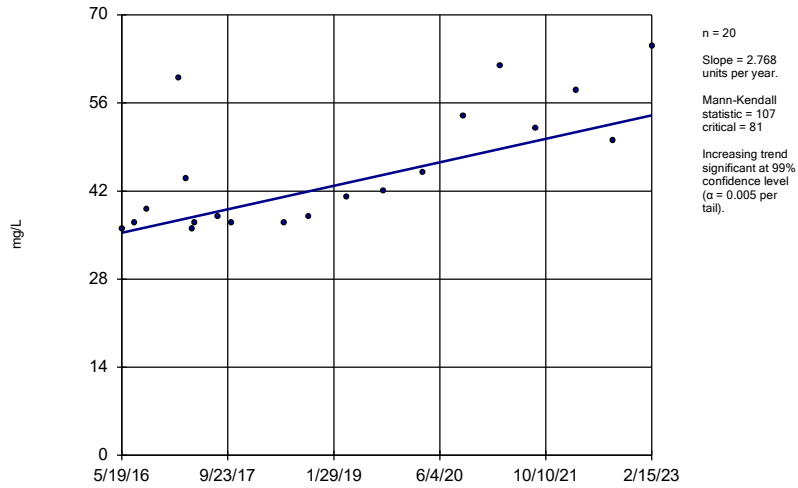
WGWC-8



Constituent: Sulfate as SO4 Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWC-9

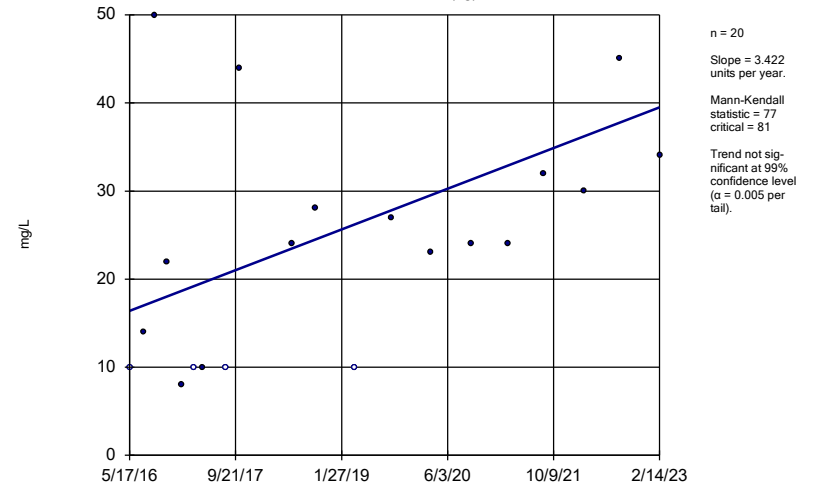


Constituent: Sulfate as SO4 Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Hollow symbols indicate censored values.

Sen's Slope Estimator

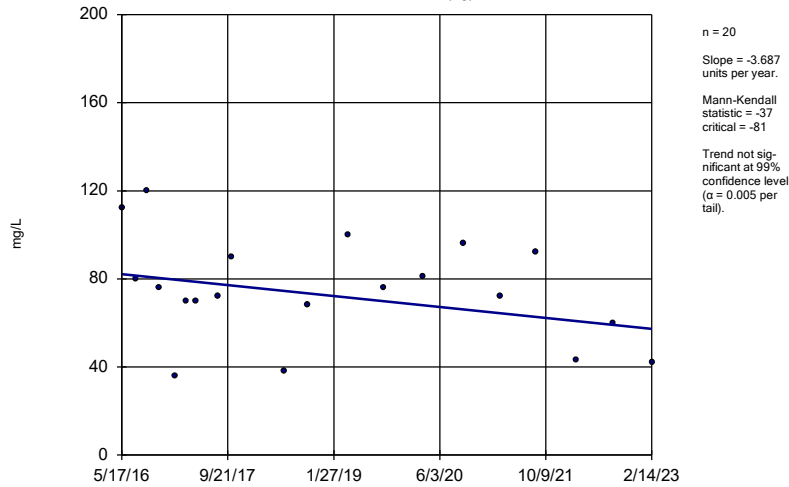
WGWA-1 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

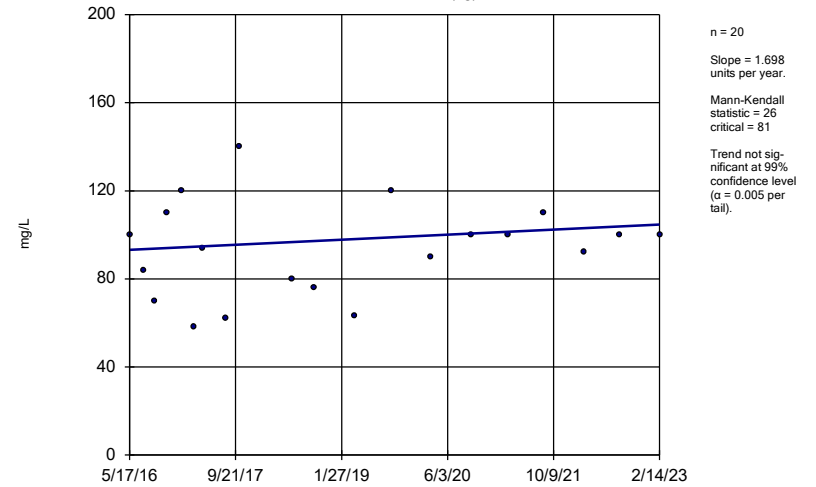
WGWA-18 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

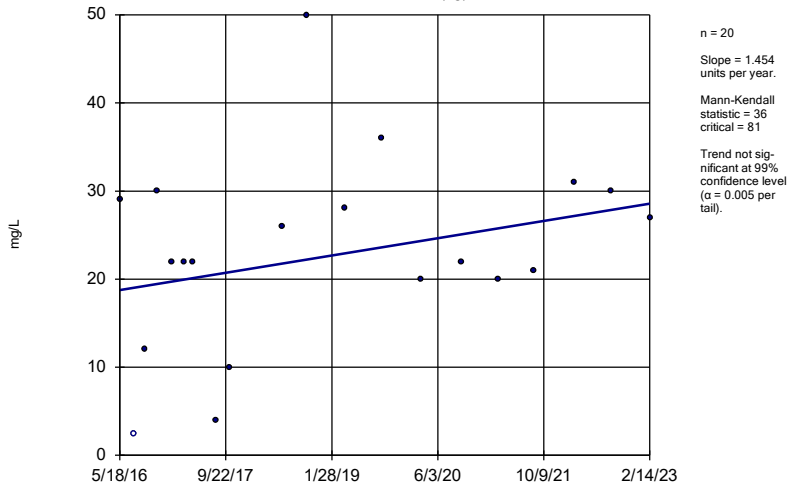
WGWA-2 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

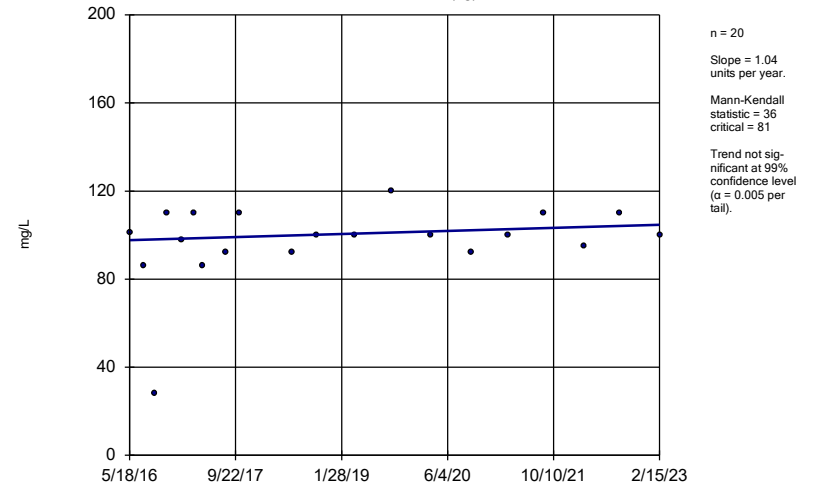
WGWA-3 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

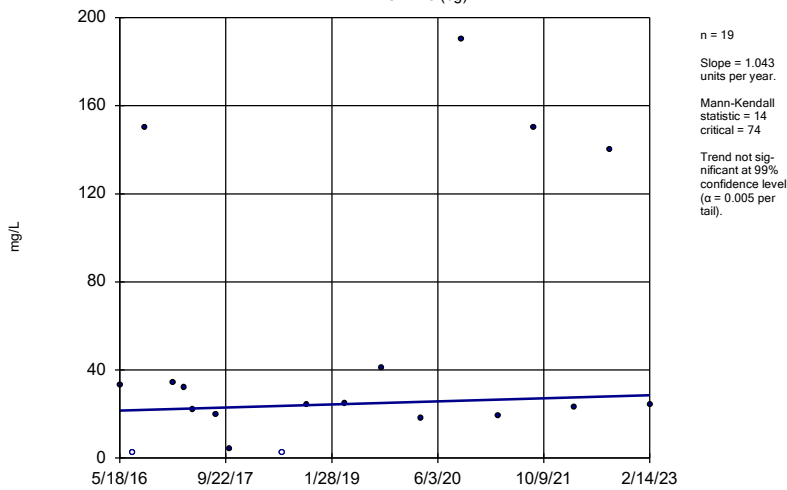
WGWA-4 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

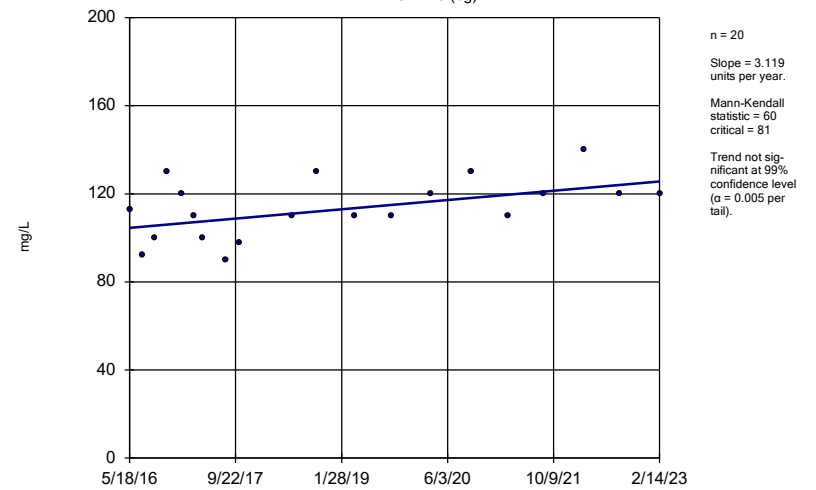
WGWA-5 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

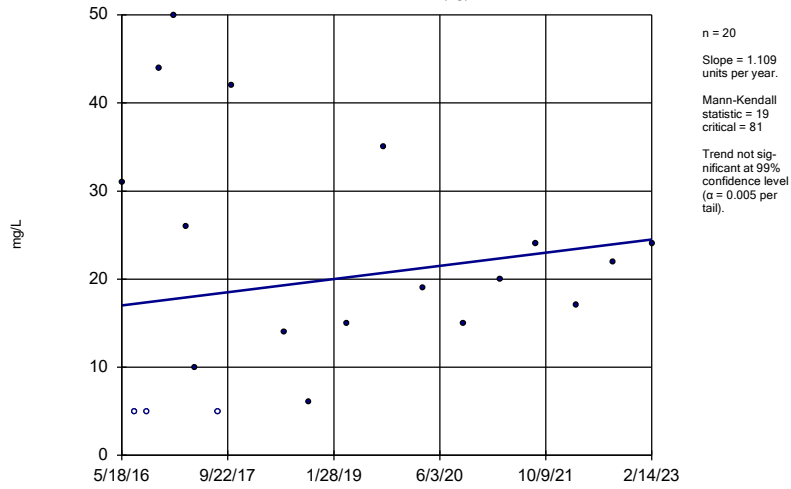
WGWA-6 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/20/2023 12:43 PM View: Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

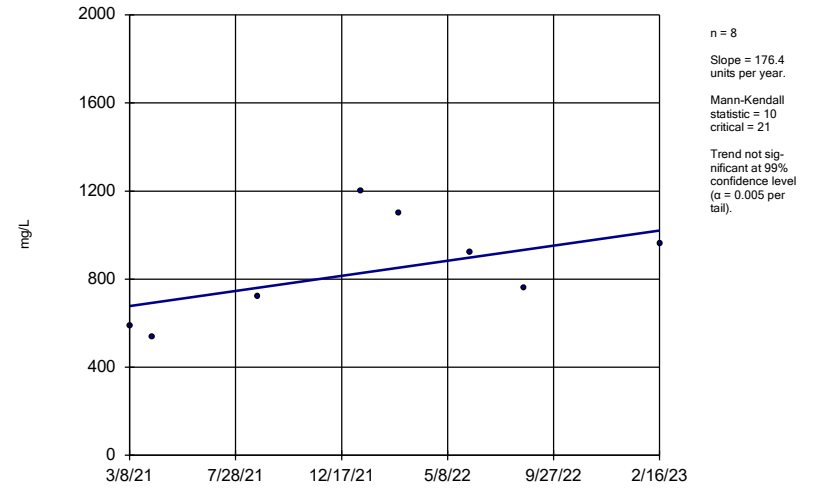
WGWA-7 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

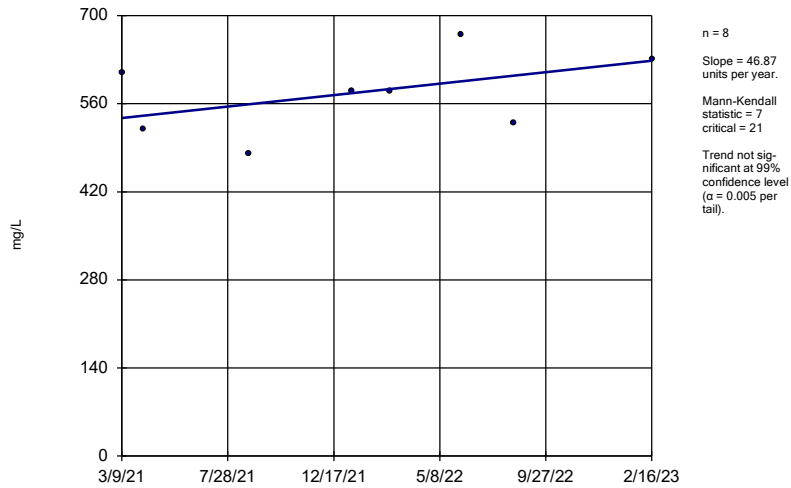
WGWC-20



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

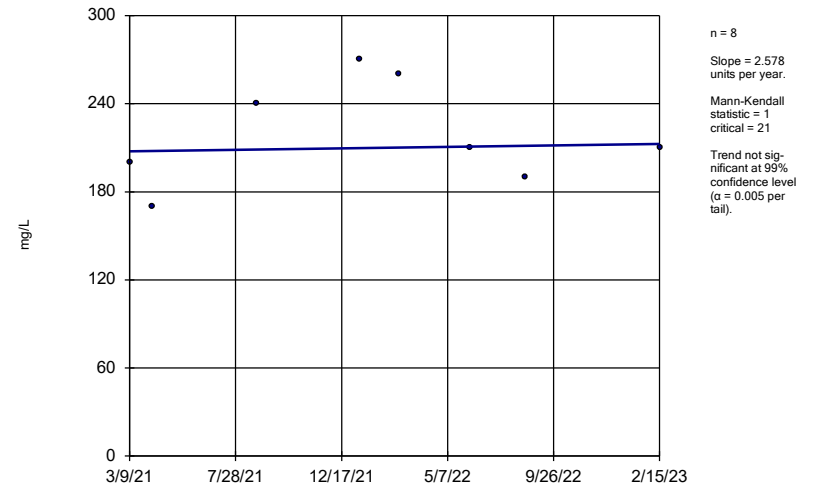
WGWC-21



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

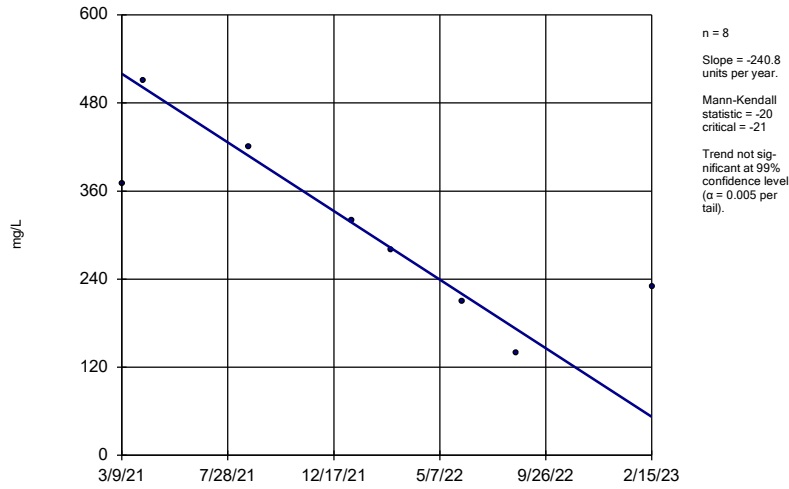
WGWC-22



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

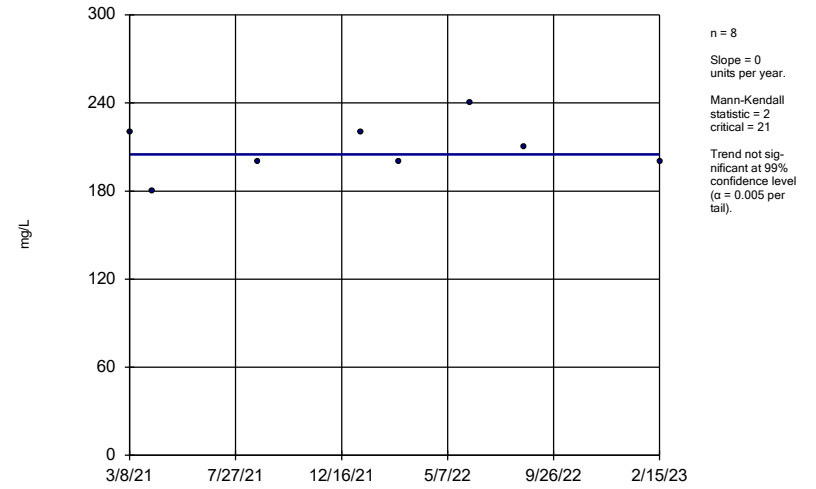
WGWC-24



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

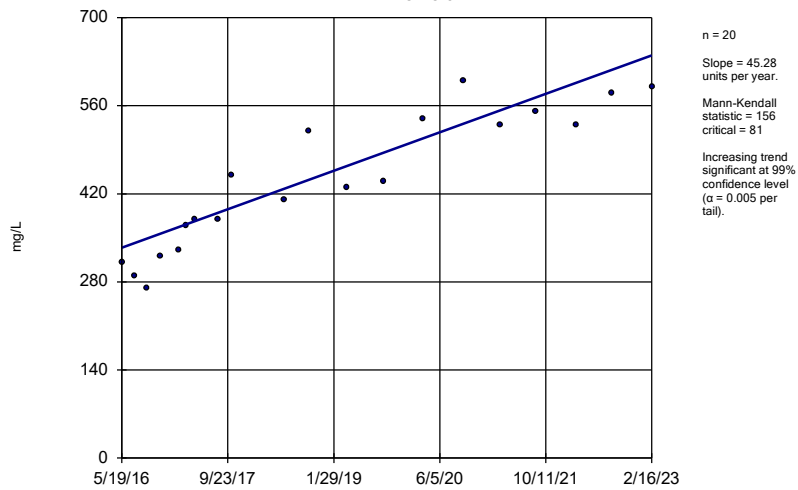
WGWC-25



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWC-8



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/20/2023 12:43 PM View: Trend Test
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

FIGURE F.

Upper Tolerance Limit Summary Table

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/24/2023, 11:51 AM

| Constituent | Well | Upper Lim. | Date | Observ. | Sig. | Bq.N | %NDs | Transform | Alpha | Method |
|-----------------------------------|------|------------|------|---------|------|------|-------|-----------|-----------|---------------------|
| Antimony (mg/L) | n/a | 0.0022 | n/a | n/a | n/a | 143 | 97.9 | n/a | 0.0006523 | NP Inter(NDs) |
| Arsenic (mg/L) | n/a | 0.0014 | n/a | n/a | n/a | 183 | 81.97 | n/a | NaN | NP Inter(NDs) |
| Barium (mg/L) | n/a | 0.062 | n/a | n/a | n/a | 0 | n/a | n/a | NaN | NP Inter(normality) |
| Beryllium (mg/L) | n/a | 0.0025 | n/a | n/a | n/a | 183 | 93.99 | n/a | NaN | NP Inter(NDs) |
| Cadmium (mg/L) | n/a | 0.0025 | n/a | n/a | n/a | 167 | 100 | n/a | 0.0001905 | NP Inter(NDs) |
| Chromium (mg/L) | n/a | 0.0063 | n/a | n/a | n/a | 183 | 95.08 | n/a | NaN | NP Inter(NDs) |
| Cobalt (mg/L) | n/a | 0.013 | n/a | n/a | n/a | 182 | 46.7 | n/a | NaN | NP Inter(normality) |
| Combined Radium 226 + 228 (pCi/L) | n/a | 10.4 | n/a | n/a | n/a | 180 | 0 | n/a | NaN | NP Inter(normality) |
| Fluoride, total (mg/L) | n/a | 0.284 | n/a | n/a | n/a | 191 | 45.55 | n/a | NaN | NP Inter(normality) |
| Lead (mg/L) | n/a | 0.001 | n/a | n/a | n/a | 167 | 88.62 | n/a | 0.0001905 | NP Inter(NDs) |
| Lithium (mg/L) | n/a | 0.009 | n/a | n/a | n/a | 173 | 50.29 | n/a | NaN | NP Inter(NDs) |
| Mercury (mg/L) | n/a | 0.0002 | n/a | n/a | n/a | 151 | 90.73 | n/a | 0.0004328 | NP Inter(NDs) |
| Molybdenum (mg/L) | n/a | 0.015 | n/a | n/a | n/a | 182 | 91.21 | n/a | NaN | NP Inter(NDs) |
| Selenium (mg/L) | n/a | 0.005 | n/a | n/a | n/a | 183 | 95.08 | n/a | NaN | NP Inter(NDs) |
| Thallium (mg/L) | n/a | 0.001 | n/a | n/a | n/a | 183 | 92.9 | n/a | NaN | NP Inter(NDs) |

FIGURE G.

| WANSLEY AP GWPS | | | | |
|--------------------------------|------------|---------------------------|-------------------|-------------|
| Constituent Name | MCL | CCR-Rule Specified | Background | GWPS |
| Antimony, Total (mg/L) | 0.006 | | 0.0022 | 0.006 |
| Arsenic, Total (mg/L) | 0.01 | | 0.0014 | 0.01 |
| Barium, Total (mg/L) | 2 | | 0.062 | 2 |
| Beryllium, Total (mg/L) | 0.004 | | 0.0025 | 0.004 |
| Cadmium, Total (mg/L) | 0.005 | | 0.0025 | 0.005 |
| Chromium, Total (mg/L) | 0.1 | | 0.0063 | 0.1 |
| Cobalt, Total (mg/L) | n/a | 0.006 | 0.013 | 0.013 |
| Combined Radium, Total (pCi/L) | 5 | | 10.4 | 10.4 |
| Fluoride, Total (mg/L) | 4 | | 0.28 | 4 |
| Lead, Total (mg/L) | n/a | 0.015 | 0.001 | 0.015 |
| Lithium, Total (mg/L) | n/a | 0.04 | 0.009 | 0.04 |
| Mercury, Total (mg/L) | 0.002 | | 0.0002 | 0.002 |
| Molybdenum, Total (mg/L) | n/a | 0.1 | 0.015 | 0.1 |
| Selenium, Total (mg/L) | 0.05 | | 0.005 | 0.05 |
| Thallium, Total (mg/L) | 0.002 | | 0.001 | 0.002 |

GWPS = Groundwater Protection Standard

MCL = Maximum Contaminant Level

CCR = Coal Combustion Residual

Highlighted cells indicate background is higher than established limit.

FIGURE H.

Confidence Intervals - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/25/2023, 10:11 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|------------------|---------|------------|------------|------------|------|----|----------|-----------|------|---------|-----------|-------|----------------|
| Beryllium (mg/L) | WGWC-20 | 0.01188 | 0.007483 | 0.004 | Yes | 6 | 0.009683 | 0.001602 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | WGWC-24 | 0.01516 | 0.004344 | 0.004 | Yes | 6 | 0.00975 | 0.003935 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | WGWC-24 | 0.133 | 0.02803 | 0.013 | Yes | 6 | 0.0805 | 0.0382 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | WGWC-19 | 0.05576 | 0.04868 | 0.04 | Yes | 23 | 0.05222 | 0.006769 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | WGWC-20 | 0.15 | 0.11 | 0.04 | Yes | 8 | 0.1238 | 0.01685 | 0 | None | No | 0.004 | NP (normality) |

Confidence Intervals - All Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/25/2023, 10:11 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-------------------------|----------------|----------------|-----------------|--------------|------------|----------|-----------------|-----------------|----------|--------------|-----------|-------------|----------------|
| Antimony (mg/L) | WGWC-11 | 0.002 | 0.00053 | 0.006 | No | 18 | 0.001918 | 0.0003465 | 94.44 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | WGWC-12 | 0.0023 | 0.002 | 0.006 | No | 18 | 0.002017 | 0.00007071 | 94.44 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | WGWC-19 | 0.002 | 0.00058 | 0.006 | No | 18 | 0.001921 | 0.0003347 | 94.44 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | WGWC-20 | 0.002 | 0.00066 | 0.006 | No | 6 | 0.001627 | 0.0005949 | 66.67 | None | No | 0.0155 | NP (NDs) |
| Antimony (mg/L) | WGWC-21 | 0.002 | 0.00053 | 0.006 | No | 6 | 0.001307 | 0.0007638 | 50 | None | No | 0.0155 | NP (normality) |
| Antimony (mg/L) | WGWC-22 | 0.00116 | 0.0005103 | 0.006 | No | 6 | 0.001223 | 0.0006377 | 33.33 | Kaplan-Meier | No | 0.01 | Param. |
| Antimony (mg/L) | WGWC-23 | 0.002073 | 0.001049 | 0.006 | No | 6 | 0.00175 | 0.0004087 | 33.33 | Kaplan-Meier | No | 0.01 | Param. |
| Antimony (mg/L) | WGWC-8 | 0.011 | 0.00064 | 0.006 | No | 18 | 0.002424 | 0.002164 | 88.89 | Kaplan-Meier | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | WGWC-9 | 0.0043 | 0.0011 | 0.006 | No | 18 | 0.00215 | 0.001699 | 66.67 | Kaplan-Meier | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | WGWC-10 | 0.001 | 0.00089 | 0.01 | No | 23 | 0.0008883 | 0.0002391 | 78.26 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | WGWC-11 | 0.001 | 0.00054 | 0.01 | No | 23 | 0.0009357 | 0.0001702 | 86.96 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | WGWC-12 | 0.001 | 0.00052 | 0.01 | No | 23 | 0.0009291 | 0.0001886 | 86.96 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | WGWC-13 | 0.001 | 0.00039 | 0.01 | No | 23 | 0.0007817 | 0.0003213 | 47.83 | None | No | 0.01 | NP (normality) |
| Arsenic (mg/L) | WGWC-14A | 0.0014 | 0.00095 | 0.01 | No | 23 | 0.001211 | 0.0005498 | 69.57 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | WGWC-15 | 0.00201 | 0.001152 | 0.01 | No | 23 | 0.001581 | 0.0008198 | 4.348 | None | No | 0.01 | Param. |
| Arsenic (mg/L) | WGWC-16 | 0.0014 | 0.001 | 0.01 | No | 23 | 0.001137 | 0.0003124 | 56.52 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | WGWC-17 | 0.001 | 0.00075 | 0.01 | No | 23 | 0.0008609 | 0.0002015 | 56.52 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | WGWC-20 | 0.0007446 | 0.0002254 | 0.01 | No | 6 | 0.0006567 | 0.0003151 | 33.33 | Kaplan-Meier | No | 0.01 | Param. |
| Arsenic (mg/L) | WGWC-21 | 0.0007759 | 0.0002521 | 0.01 | No | 6 | 0.000595 | 0.0002752 | 16.67 | Kaplan-Meier | No | 0.01 | Param. |
| Arsenic (mg/L) | WGWC-22 | 0.001 | 0.00029 | 0.01 | No | 6 | 0.0007917 | 0.0003272 | 66.67 | Kaplan-Meier | No | 0.0155 | NP (NDs) |
| Arsenic (mg/L) | WGWC-24 | 0.0033 | 0.00028 | 0.01 | No | 6 | 0.00162 | 0.00125 | 16.67 | None | No | 0.0155 | NP (selected) |
| Arsenic (mg/L) | WGWC-8 | 0.001007 | 0.0006326 | 0.01 | No | 23 | 0.0009835 | 0.0002734 | 47.83 | Kaplan-Meier | x^2 | 0.01 | Param. |
| Arsenic (mg/L) | WGWC-9 | 0.0017 | 0.00078 | 0.01 | No | 23 | 0.0009978 | 0.000193 | 86.96 | None | No | 0.01 | NP (NDs) |
| Barium (mg/L) | WGWC-10 | 0.04034 | 0.03431 | 2 | No | 23 | 0.03766 | 0.006423 | 0 | None | ln(x) | 0.01 | Param. |
| Barium (mg/L) | WGWC-11 | 0.04039 | 0.03296 | 2 | No | 23 | 0.03691 | 0.007495 | 0 | None | sqrt(x) | 0.01 | Param. |
| Barium (mg/L) | WGWC-12 | 0.01902 | 0.01526 | 2 | No | 23 | 0.0168 | 0.003974 | 0 | None | x^2 | 0.01 | Param. |
| Barium (mg/L) | WGWC-13 | 0.05448 | 0.045 | 2 | No | 23 | 0.04974 | 0.009056 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | WGWC-14A | 0.0433 | 0.03029 | 2 | No | 23 | 0.03752 | 0.01356 | 0 | None | sqrt(x) | 0.01 | Param. |
| Barium (mg/L) | WGWC-15 | 0.02514 | 0.021 | 2 | No | 23 | 0.02307 | 0.003964 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | WGWC-16 | 0.05477 | 0.03889 | 2 | No | 23 | 0.04767 | 0.01549 | 0 | None | sqrt(x) | 0.01 | Param. |
| Barium (mg/L) | WGWC-17 | 0.018 | 0.011 | 2 | No | 23 | 0.01439 | 0.004034 | 0 | None | No | 0.01 | NP (normality) |
| Barium (mg/L) | WGWC-19 | 0.01 | 0.0012 | 2 | No | 23 | 0.004584 | 0.004188 | 34.78 | None | No | 0.01 | NP (normality) |
| Barium (mg/L) | WGWC-20 | 0.01 | 0.00091 | 2 | No | 6 | 0.008485 | 0.003711 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Barium (mg/L) | WGWC-21 | 0.009115 | 0.004252 | 2 | No | 6 | 0.006683 | 0.00177 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | WGWC-22 | 0.04101 | 0.02232 | 2 | No | 6 | 0.03167 | 0.006802 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | WGWC-23 | 0.009861 | 0.005873 | 2 | No | 6 | 0.007867 | 0.001451 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | WGWC-24 | 0.04289 | 0.02644 | 2 | No | 6 | 0.03467 | 0.005989 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | WGWC-25 | 0.41 | 0.3066 | 2 | No | 6 | 0.3583 | 0.03764 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | WGWC-8 | 0.01 | 0.0011 | 2 | No | 23 | 0.00494 | 0.004209 | 39.13 | None | No | 0.01 | NP (normality) |
| Barium (mg/L) | WGWC-9 | 0.01 | 0.00092 | 2 | No | 23 | 0.005097 | 0.004423 | 43.48 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | WGWC-14A | 0.0025 | 0.00031 | 0.004 | No | 23 | 0.001817 | 0.001056 | 69.57 | None | No | 0.01 | NP (NDs) |
| Beryllium (mg/L) | WGWC-16 | 0.0025 | 0.00022 | 0.004 | No | 23 | 0.002401 | 0.0004754 | 95.65 | None | No | 0.01 | NP (NDs) |
| Beryllium (mg/L) | WGWC-20 | 0.01188 | 0.007483 | 0.004 | Yes | 6 | 0.009683 | 0.001602 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | WGWC-21 | 0.0025 | 0.00022 | 0.004 | No | 6 | 0.00212 | 0.0009308 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Beryllium (mg/L) | WGWC-22 | 0.0006834 | 0.00052 | 0.004 | No | 6 | 0.0006017 | 0.00005947 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | WGWC-23 | 0.00126 | 0.0007869 | 0.004 | No | 6 | 0.001023 | 0.0001721 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | WGWC-24 | 0.01516 | 0.004344 | 0.004 | Yes | 6 | 0.00975 | 0.003935 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | WGWC-25 | 0.0025 | 0.0002 | 0.004 | No | 6 | 0.0006267 | 0.0009185 | 16.67 | None | No | 0.0155 | NP (normality) |
| Beryllium (mg/L) | WGWC-8 | 0.002166 | 0.001647 | 0.004 | No | 23 | 0.001907 | 0.000497 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | WGWC-9 | 0.0025 | 0.00036 | 0.004 | No | 23 | 0.001212 | 0.001057 | 39.13 | None | No | 0.01 | NP (normality) |
| Cadmium (mg/L) | WGWC-10 | 0.0025 | 0.00021 | 0.005 | No | 21 | 0.002391 | 0.0004997 | 95.24 | None | No | 0.01 | NP (NDs) |
| Cadmium (mg/L) | WGWC-16 | 0.0005633 | 0.0002785 | 0.005 | No | 21 | 0.001154 | 0.0009904 | 33.33 | Kaplan-Meier | ln(x) | 0.01 | Param. |
| Cadmium (mg/L) | WGWC-20 | 0.0025 | 0.00026 | 0.005 | No | 6 | 0.001805 | 0.001081 | 66.67 | Kaplan-Meier | No | 0.0155 | NP (NDs) |
| Cadmium (mg/L) | WGWC-22 | 0.0025 | 0.00009 | 0.005 | No | 6 | 0.001353 | 0.001258 | 50 | None | No | 0.0155 | NP (normality) |
| Cadmium (mg/L) | WGWC-24 | 0.00063 | 0.0001467 | 0.005 | No | 6 | 0.0003883 | 0.0001759 | 0 | None | No | 0.01 | Param. |

Confidence Intervals - All Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/25/2023, 10:11 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-----------------------------------|----------------|--------------|----------------|--------------|------------|----------|---------------|---------------|----------|--------------|-----------|-------------|----------------|
| Cadmium (mg/L) | WGWC-25 | 0.0025 | 0.0001 | 0.005 | No | 6 | 0.001703 | 0.001234 | 66.67 | None | No | 0.0155 | NP (NDs) |
| Cadmium (mg/L) | WGWC-8 | 0.0025 | 0.00065 | 0.005 | No | 21 | 0.002412 | 0.0004037 | 95.24 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | WGWC-10 | 0.002223 | 0.001542 | 0.1 | No | 23 | 0.001883 | 0.0006506 | 13.04 | None | No | 0.01 | Param. |
| Chromium (mg/L) | WGWC-11 | 0.0021 | 0.0017 | 0.1 | No | 23 | 0.001917 | 0.0002516 | 82.61 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | WGWC-13 | 0.002 | 0.0019 | 0.1 | No | 23 | 0.001974 | 0.00007518 | 86.96 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | WGWC-14A | 0.002 | 0.0017 | 0.1 | No | 23 | 0.001987 | 0.00006255 | 95.65 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | WGWC-15 | 0.002 | 0.0015 | 0.1 | No | 23 | 0.001978 | 0.0001043 | 95.65 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | WGWC-21 | 0.002 | 0.0015 | 0.1 | No | 6 | 0.001917 | 0.0002041 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Chromium (mg/L) | WGWC-9 | 0.0025 | 0.002 | 0.1 | No | 23 | 0.002022 | 0.0001043 | 95.65 | None | No | 0.01 | NP (NDs) |
| Cobalt (mg/L) | WGWC-10 | 0.001414 | 0.0007674 | 0.013 | No | 23 | 0.001152 | 0.000715 | 8.696 | None | sqrt(x) | 0.01 | Param. |
| Cobalt (mg/L) | WGWC-11 | 0.0025 | 0.00064 | 0.013 | No | 23 | 0.00158 | 0.0009506 | 39.13 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | WGWC-12 | 0.000982 | 0.0004403 | 0.013 | No | 23 | 0.0009204 | 0.001025 | 4.348 | None | ln(x) | 0.01 | Param. |
| Cobalt (mg/L) | WGWC-13 | 0.0025 | 0.0008 | 0.013 | No | 23 | 0.002052 | 0.0008762 | 78.26 | None | No | 0.01 | NP (NDs) |
| Cobalt (mg/L) | WGWC-14A | 0.009435 | 0.004799 | 0.013 | No | 23 | 0.007117 | 0.004432 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | WGWC-15 | 0.0025 | 0.00015 | 0.013 | No | 23 | 0.002398 | 0.00049 | 95.65 | None | No | 0.01 | NP (NDs) |
| Cobalt (mg/L) | WGWC-16 | 0.005748 | 0.0008712 | 0.013 | No | 23 | 0.006188 | 0.006027 | 21.74 | Kaplan-Meier | sqrt(x) | 0.01 | Param. |
| Cobalt (mg/L) | WGWC-17 | 0.00146 | 0.0007439 | 0.013 | No | 23 | 0.001102 | 0.0006843 | 13.04 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | WGWC-19 | 0.0025 | 0.00024 | 0.013 | No | 23 | 0.001277 | 0.001101 | 43.48 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | WGWC-20 | 0.0025 | 0.00037 | 0.013 | No | 6 | 0.001805 | 0.001077 | 66.67 | None | No | 0.0155 | NP (NDs) |
| Cobalt (mg/L) | WGWC-21 | 0.0025 | 0.00032 | 0.013 | No | 6 | 0.0008417 | 0.0008493 | 16.67 | None | No | 0.0155 | NP (normality) |
| Cobalt (mg/L) | WGWC-22 | 0.0025 | 0.00025 | 0.013 | No | 6 | 0.001412 | 0.001193 | 50 | None | No | 0.0155 | NP (normality) |
| Cobalt (mg/L) | WGWC-23 | 0.0025 | 0.00016 | 0.013 | No | 6 | 0.001722 | 0.001206 | 66.67 | None | No | 0.0155 | NP (NDs) |
| Cobalt (mg/L) | WGWC-24 | 0.133 | 0.02803 | 0.013 | Yes | 6 | 0.0805 | 0.0382 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | WGWC-25 | 0.005181 | 0.003719 | 0.013 | No | 6 | 0.00445 | 0.000532 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | WGWC-8 | 0.0025 | 0.00066 | 0.013 | No | 23 | 0.001737 | 0.001033 | 43.48 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | WGWC-9 | 0.0025 | 0.00073 | 0.013 | No | 23 | 0.002423 | 0.0003691 | 95.65 | None | No | 0.01 | NP (NDs) |
| Combined Radium 226 + 228 (pCi/L) | WGWC-10 | 0.4457 | 0.2064 | 10.4 | No | 23 | 0.3261 | 0.2288 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-11 | 0.6043 | 0.2196 | 10.4 | No | 23 | 0.4119 | 0.3678 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-12 | 0.5629 | 0.2068 | 10.4 | No | 23 | 0.3848 | 0.3404 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-13 | 0.757 | 0.469 | 10.4 | No | 23 | 0.613 | 0.2754 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-14A | 0.8308 | 0.5537 | 10.4 | No | 23 | 0.7097 | 0.2938 | 0 | None | sqrt(x) | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-15 | 0.6051 | 0.2991 | 10.4 | No | 23 | 0.4854 | 0.3344 | 0 | None | sqrt(x) | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-16 | 1.597 | 0.7565 | 10.4 | No | 23 | 1.274 | 0.8774 | 0 | None | sqrt(x) | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-17 | 0.5286 | 0.16 | 10.4 | No | 23 | 0.3443 | 0.3524 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-19 | 0.5409 | 0.2084 | 10.4 | No | 23 | 0.3747 | 0.3179 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-20 | 1.457 | 0.587 | 10.4 | No | 6 | 1.022 | 0.3167 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-21 | 2.27 | 0.3891 | 10.4 | No | 6 | 1.329 | 0.6844 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-22 | 7.799 | 2.781 | 10.4 | No | 6 | 5.29 | 1.826 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-23 | 1.399 | 0.1906 | 10.4 | No | 6 | 0.7948 | 0.4399 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-24 | 1.44 | 0.6443 | 10.4 | No | 6 | 1.02 | 0.3145 | 0 | None | sqrt(x) | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-25 | 1.078 | 0.4824 | 10.4 | No | 6 | 0.78 | 0.2166 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-8 | 2.213 | 1.466 | 10.4 | No | 23 | 1.84 | 0.7134 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | WGWC-9 | 0.4101 | 0.1637 | 10.4 | No | 23 | 0.2869 | 0.2355 | 0 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-10 | 0.1674 | 0.123 | 4 | No | 24 | 0.1452 | 0.04353 | 0 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-11 | 0.1 | 0.045 | 4 | No | 24 | 0.07996 | 0.03544 | 54.17 | None | No | 0.01 | NP (NDs) |
| Fluoride, total (mg/L) | WGWC-12 | 0.09739 | 0.07226 | 4 | No | 24 | 0.109 | 0.047 | 16.67 | Kaplan-Meier | sqrt(x) | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-13 | 0.2778 | 0.1992 | 4 | No | 24 | 0.2385 | 0.07692 | 4.167 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-14A | 0.1 | 0.048 | 4 | No | 24 | 0.08133 | 0.02808 | 66.67 | None | No | 0.01 | NP (NDs) |
| Fluoride, total (mg/L) | WGWC-15 | 0.8568 | 0.7665 | 4 | No | 24 | 0.8116 | 0.08846 | 0 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-16 | 0.15 | 0.067 | 4 | No | 24 | 0.2208 | 0.2949 | 8.333 | None | No | 0.01 | NP (normality) |
| Fluoride, total (mg/L) | WGWC-17 | 0.1266 | 0.08023 | 4 | No | 24 | 0.1034 | 0.04544 | 4.167 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-19 | 0.3721 | 0.3246 | 4 | No | 24 | 0.3483 | 0.04659 | 0 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-20 | 2.212 | 1.717 | 4 | No | 8 | 1.963 | 0.2446 | 0 | None | x^(1/3) | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-21 | 1.961 | 1.689 | 4 | No | 8 | 1.825 | 0.1282 | 0 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-22 | 1.4 | 0.31 | 4 | No | 8 | 0.6088 | 0.4094 | 0 | None | No | 0.004 | NP (normality) |

Confidence Intervals - All Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/25/2023, 10:11 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|------------------------|----------------|----------------|----------------|-------------|------------|-----------|----------------|-----------------|----------|-------------|-----------|--------------|-----------------------|
| Fluoride, total (mg/L) | WGWC-23 | 0.0861 | 0.03397 | 4 | No | 8 | 0.05938 | 0.02524 | 0 | None | sqrt(x) | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-24 | 1.151 | 0.4268 | 4 | No | 8 | 0.7888 | 0.3415 | 0 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-25 | 0.1 | 0.028 | 4 | No | 8 | 0.06763 | 0.03512 | 50 | None | No | 0.004 | NP (normality) |
| Fluoride, total (mg/L) | WGWC-8 | 0.3233 | 0.1962 | 4 | No | 24 | 0.2598 | 0.1245 | 0 | None | No | 0.01 | Param. |
| Fluoride, total (mg/L) | WGWC-9 | 1.445 | 1.133 | 4 | No | 24 | 1.289 | 0.306 | 0 | None | No | 0.01 | Param. |
| Lead (mg/L) | WGWC-10 | 0.001 | 0.00023 | 0.015 | No | 21 | 0.000641 | 0.0003898 | 52.38 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-11 | 0.001 | 0.00058 | 0.015 | No | 21 | 0.0008838 | 0.0002517 | 80.95 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-12 | 0.001 | 0.00033 | 0.015 | No | 21 | 0.0009681 | 0.0001462 | 95.24 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-13 | 0.001 | 0.00045 | 0.015 | No | 21 | 0.0006976 | 0.0003047 | 38.1 | None | No | 0.01 | NP (normality) |
| Lead (mg/L) | WGWC-14A | 0.001 | 0.00031 | 0.015 | No | 21 | 0.0007319 | 0.0003609 | 61.9 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-15 | 0.001 | 0.0003 | 0.015 | No | 21 | 0.0009667 | 0.0001528 | 95.24 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-16 | 0.001 | 0.00014 | 0.015 | No | 21 | 0.0009176 | 0.0002602 | 90.48 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-17 | 0.001 | 0.00033 | 0.015 | No | 21 | 0.00093 | 0.000222 | 90.48 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-19 | 0.001 | 0.0003 | 0.015 | No | 21 | 0.0009667 | 0.0001528 | 95.24 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-22 | 0.001 | 0.00022 | 0.015 | No | 6 | 0.0004017 | 0.0003009 | 16.67 | None | No | 0.0155 | NP (normality) |
| Lead (mg/L) | WGWC-23 | 0.0046 | 0.001 | 0.015 | No | 6 | 0.0016 | 0.00147 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Lead (mg/L) | WGWC-24 | 0.001116 | 0.0002609 | 0.015 | No | 6 | 0.0006883 | 0.0003112 | 0 | None | No | 0.01 | Param. |
| Lead (mg/L) | WGWC-8 | 0.001 | 0.00017 | 0.015 | No | 21 | 0.0007119 | 0.0003865 | 61.9 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | WGWC-9 | 0.001 | 0.00014 | 0.015 | No | 21 | 0.000959 | 0.0001877 | 95.24 | None | No | 0.01 | NP (NDs) |
| Lithium (mg/L) | WGWC-10 | 0.01296 | 0.006432 | 0.04 | No | 23 | 0.0104 | 0.007152 | 0 | None | sqrt(x) | 0.01 | Param. |
| Lithium (mg/L) | WGWC-11 | 0.005 | 0.0018 | 0.04 | No | 23 | 0.004357 | 0.001439 | 82.61 | None | No | 0.01 | NP (NDs) |
| Lithium (mg/L) | WGWC-12 | 0.0077 | 0.0062 | 0.04 | No | 23 | 0.007465 | 0.004191 | 4.348 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | WGWC-13 | 0.005 | 0.0037 | 0.04 | No | 23 | 0.00427 | 0.00121 | 69.57 | None | No | 0.01 | NP (NDs) |
| Lithium (mg/L) | WGWC-14A | 0.005 | 0.0025 | 0.04 | No | 23 | 0.004004 | 0.00138 | 60.87 | None | No | 0.01 | NP (NDs) |
| Lithium (mg/L) | WGWC-15 | 0.007134 | 0.005301 | 0.04 | No | 23 | 0.006217 | 0.001752 | 8.696 | None | No | 0.01 | Param. |
| Lithium (mg/L) | WGWC-16 | 0.01064 | 0.006205 | 0.04 | No | 23 | 0.008796 | 0.00484 | 4.348 | None | sqrt(x) | 0.01 | Param. |
| Lithium (mg/L) | WGWC-17 | 0.0058 | 0.0045 | 0.04 | No | 23 | 0.005909 | 0.004269 | 4.348 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | WGWC-19 | 0.05576 | 0.04868 | 0.04 | Yes | 23 | 0.05222 | 0.006769 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | WGWC-20 | 0.15 | 0.11 | 0.04 | Yes | 8 | 0.1238 | 0.01685 | 0 | None | No | 0.004 | NP (normality) |
| Lithium (mg/L) | WGWC-21 | 0.0547 | 0.0278 | 0.04 | No | 8 | 0.04125 | 0.01269 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | WGWC-22 | 0.011 | 0.0081 | 0.04 | No | 8 | 0.01005 | 0.001139 | 0 | None | No | 0.004 | NP (normality) |
| Lithium (mg/L) | WGWC-23 | 0.005 | 0.0015 | 0.04 | No | 8 | 0.003775 | 0.001696 | 62.5 | None | No | 0.004 | NP (NDs) |
| Lithium (mg/L) | WGWC-24 | 0.008791 | 0.004759 | 0.04 | No | 8 | 0.006775 | 0.001902 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | WGWC-25 | 0.004552 | 0.003423 | 0.04 | No | 8 | 0.003988 | 0.000533 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | WGWC-8 | 0.017 | 0.013 | 0.04 | No | 23 | 0.01646 | 0.009504 | 0 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | WGWC-9 | 0.03723 | 0.03212 | 0.04 | No | 23 | 0.03467 | 0.004879 | 0 | None | No | 0.01 | Param. |
| Mercury (mg/L) | WGWC-10 | 0.0002 | 0.00013 | 0.002 | No | 19 | 0.0001779 | 0.000045 | 78.95 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-11 | 0.0002 | 0.00011 | 0.002 | No | 19 | 0.0001891 | 0.00003312 | 89.47 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-12 | 0.0002 | 0.00018 | 0.002 | No | 19 | 0.0001831 | 0.00003787 | 78.95 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-13 | 0.0002 | 0.000083 | 0.002 | No | 19 | 0.0001876 | 0.00003721 | 89.47 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-14A | 0.0002 | 0.00013 | 0.002 | No | 19 | 0.0001963 | 0.00001606 | 94.74 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-15 | 0.0002 | 0.000093 | 0.002 | No | 19 | 0.0001755 | 0.00004884 | 78.95 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-16 | 0.0002 | 0.00019 | 0.002 | No | 19 | 0.0001884 | 0.00003404 | 84.21 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-17 | 0.0002 | 0.000074 | 0.002 | No | 19 | 0.0001934 | 0.00002891 | 94.74 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-19 | 0.0002 | 0.00012 | 0.002 | No | 19 | 0.0001893 | 0.00003299 | 89.47 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-20 | 0.00033 | 0.0002 | 0.002 | No | 6 | 0.0002217 | 0.00005307 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Mercury (mg/L) | WGWC-21 | 0.0002 | 0.0002 | 0.002 | No | 6 | 0.0002 | 2.1e-12 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Mercury (mg/L) | WGWC-22 | 0.0002 | 0.00018 | 0.002 | No | 6 | 0.0001967 | 0.000008165 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Mercury (mg/L) | WGWC-23 | 0.00022 | 0.0002 | 0.002 | No | 6 | 0.0002033 | 0.000008165 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Mercury (mg/L) | WGWC-24 | 0.00026 | 0.0002 | 0.002 | No | 6 | 0.00021 | 0.00002449 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Mercury (mg/L) | WGWC-25 | 0.0019 | 0.0002 | 0.002 | No | 6 | 0.0004833 | 0.000694 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Mercury (mg/L) | WGWC-8 | 0.0002 | 0.00013 | 0.002 | No | 19 | 0.0001852 | 0.00003628 | 84.21 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | WGWC-9 | 0.0002 | 0.00013 | 0.002 | No | 19 | 0.0001963 | 0.00001606 | 94.74 | None | No | 0.01 | NP (NDs) |
| Molybdenum (mg/L) | WGWC-10 | 0.015 | 0.00093 | 0.1 | No | 23 | 0.01378 | 0.004057 | 91.3 | None | No | 0.01 | NP (NDs) |
| Molybdenum (mg/L) | WGWC-11 | 0.015 | 0.0017 | 0.1 | No | 23 | 0.01382 | 0.003919 | 91.3 | None | No | 0.01 | NP (NDs) |

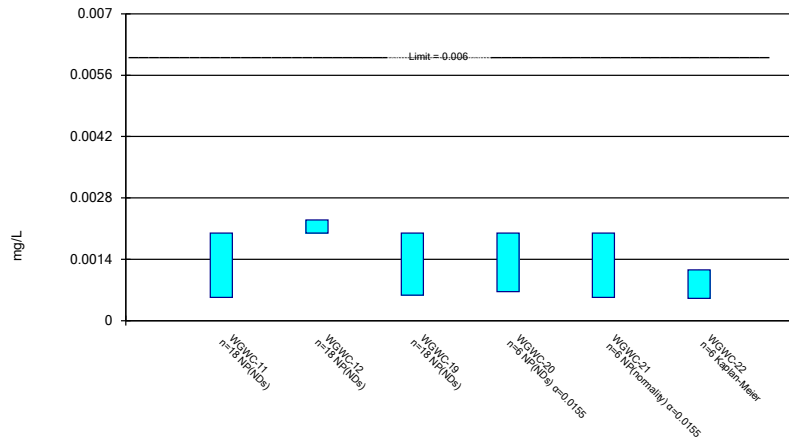
Confidence Intervals - All Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/25/2023, 10:11 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-------------------|----------|------------|------------|------------|------|----|-----------|-----------|-------|---------|-----------|--------|----------------|
| Molybdenum (mg/L) | WGWC-12 | 0.015 | 0.0046 | 0.1 | No | 23 | 0.01145 | 0.00615 | 73.91 | None | No | 0.01 | NP (NDs) |
| Molybdenum (mg/L) | WGWC-13 | 0.003006 | 0.001529 | 0.1 | No | 23 | 0.00268 | 0.0021 | 13.04 | None | ln(x) | 0.01 | Param. |
| Molybdenum (mg/L) | WGWC-14A | 0.015 | 0.001 | 0.1 | No | 23 | 0.01439 | 0.002919 | 95.65 | None | No | 0.01 | NP (NDs) |
| Molybdenum (mg/L) | WGWC-15 | 0.005821 | 0.003115 | 0.1 | No | 23 | 0.004852 | 0.003318 | 0 | None | x^(1/3) | 0.01 | Param. |
| Molybdenum (mg/L) | WGWC-17 | 0.004512 | 0.00241 | 0.1 | No | 23 | 0.003922 | 0.002443 | 0 | None | ln(x) | 0.01 | Param. |
| Molybdenum (mg/L) | WGWC-19 | 0.015 | 0.0012 | 0.1 | No | 23 | 0.005452 | 0.006459 | 30.43 | None | No | 0.01 | NP (normality) |
| Molybdenum (mg/L) | WGWC-20 | 0.015 | 0.00062 | 0.1 | No | 6 | 0.01023 | 0.007382 | 66.67 | None | No | 0.0155 | NP (NDs) |
| Molybdenum (mg/L) | WGWC-21 | 0.04387 | 0.03113 | 0.1 | No | 6 | 0.0375 | 0.004637 | 0 | None | No | 0.01 | Param. |
| Molybdenum (mg/L) | WGWC-22 | 0.015 | 0.00084 | 0.1 | No | 6 | 0.01264 | 0.005781 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Molybdenum (mg/L) | WGWC-9 | 0.005541 | 0.003362 | 0.1 | No | 23 | 0.004923 | 0.003299 | 0 | None | ln(x) | 0.01 | Param. |
| Selenium (mg/L) | WGWC-10 | 0.005 | 0.00031 | 0.05 | No | 23 | 0.004796 | 0.0009779 | 95.65 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | WGWC-11 | 0.005 | 0.00049 | 0.05 | No | 23 | 0.004804 | 0.0009404 | 95.65 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | WGWC-12 | 0.005 | 0.0021 | 0.05 | No | 23 | 0.004874 | 0.0006047 | 95.65 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | WGWC-14A | 0.005 | 0.0003 | 0.05 | No | 23 | 0.004796 | 0.00098 | 95.65 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | WGWC-15 | 0.005 | 0.0005 | 0.05 | No | 23 | 0.004804 | 0.0009383 | 95.65 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | WGWC-16 | 0.009844 | 0.004838 | 0.05 | No | 23 | 0.007341 | 0.004786 | 4.348 | None | No | 0.01 | Param. |
| Selenium (mg/L) | WGWC-19 | 0.005 | 0.00036 | 0.05 | No | 23 | 0.004798 | 0.0009675 | 95.65 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | WGWC-20 | 0.005 | 0.0014 | 0.05 | No | 6 | 0.0023 | 0.001409 | 16.67 | None | No | 0.0155 | NP (normality) |
| Selenium (mg/L) | WGWC-22 | 0.007995 | 0.003505 | 0.05 | No | 6 | 0.00575 | 0.001634 | 0 | None | No | 0.01 | Param. |
| Selenium (mg/L) | WGWC-23 | 0.002646 | 0.001388 | 0.05 | No | 6 | 0.002017 | 0.0004579 | 0 | None | No | 0.01 | Param. |
| Selenium (mg/L) | WGWC-24 | 0.005 | 0.00077 | 0.05 | No | 6 | 0.004295 | 0.001727 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Selenium (mg/L) | WGWC-8 | 0.0038 | 0.0032 | 0.05 | No | 23 | 0.00369 | 0.001026 | 0 | None | No | 0.01 | NP (normality) |
| Selenium (mg/L) | WGWC-9 | 0.002835 | 0.00225 | 0.05 | No | 23 | 0.002543 | 0.0005595 | 0 | None | No | 0.01 | Param. |
| Thallium (mg/L) | WGWC-10 | 0.001 | 0.000085 | 0.002 | No | 23 | 0.0009602 | 0.0001908 | 95.65 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | WGWC-11 | 0.001 | 0.00016 | 0.002 | No | 23 | 0.0009635 | 0.0001752 | 95.65 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | WGWC-14A | 0.001 | 0.00016 | 0.002 | No | 23 | 0.0005987 | 0.0004294 | 52.17 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | WGWC-16 | 0.001 | 0.00017 | 0.002 | No | 23 | 0.0005678 | 0.0004244 | 47.83 | None | No | 0.01 | NP (normality) |
| Thallium (mg/L) | WGWC-19 | 0.001 | 0.00018 | 0.002 | No | 23 | 0.0009643 | 0.000171 | 95.65 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | WGWC-22 | 0.001 | 0.00047 | 0.002 | No | 6 | 0.0009117 | 0.0002164 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Thallium (mg/L) | WGWC-24 | 0.0007372 | 0.0003328 | 0.002 | No | 6 | 0.000535 | 0.0001472 | 0 | None | No | 0.01 | Param. |

Parametric and Non-Parametric (NP) Confidence Interval

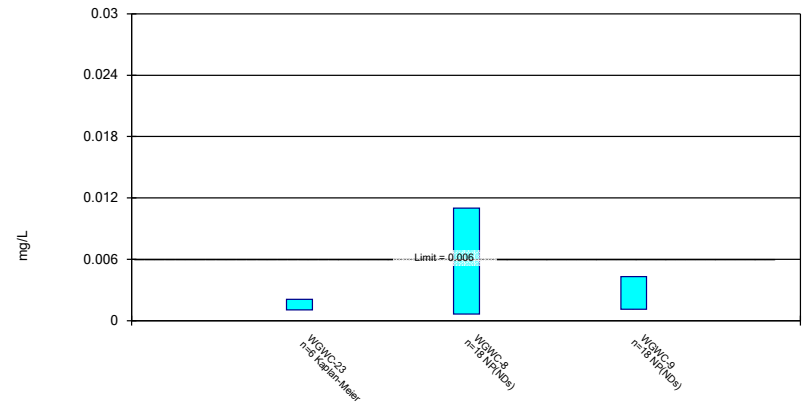
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Antimony Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

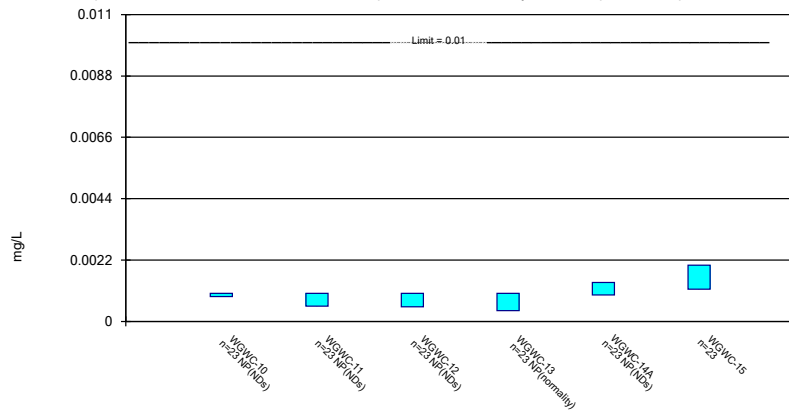
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Antimony Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

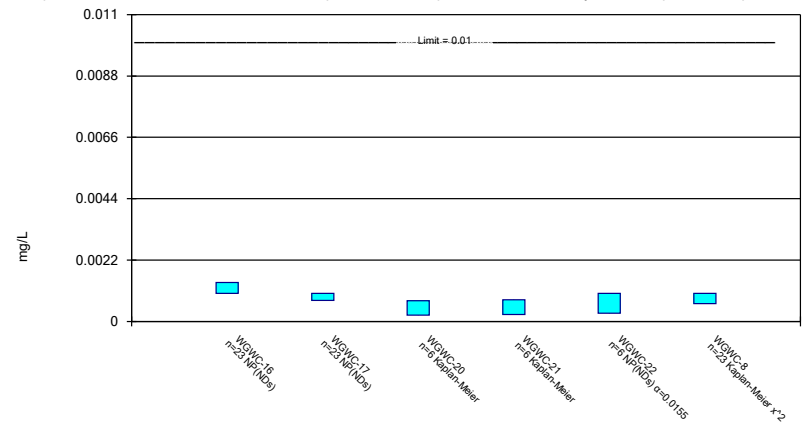
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

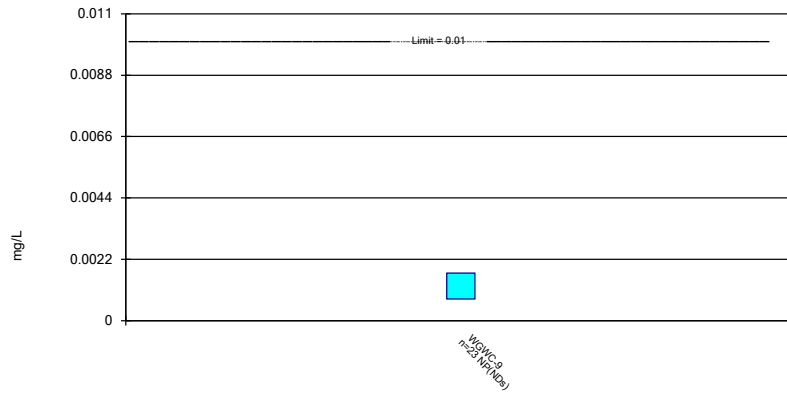
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Non-Parametric Confidence Interval

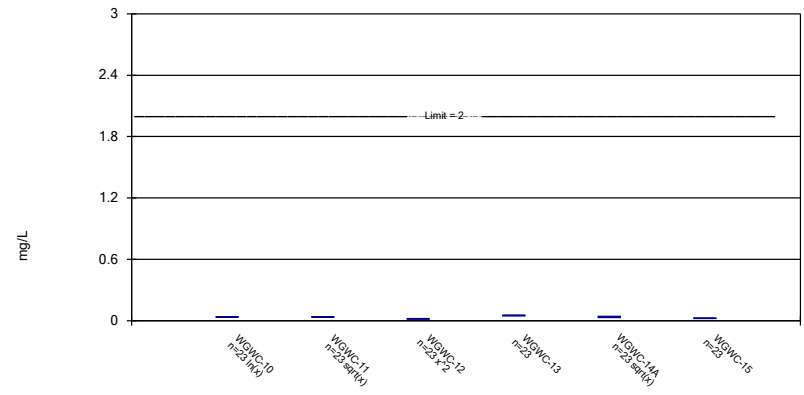
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Arsenic Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric Confidence Interval

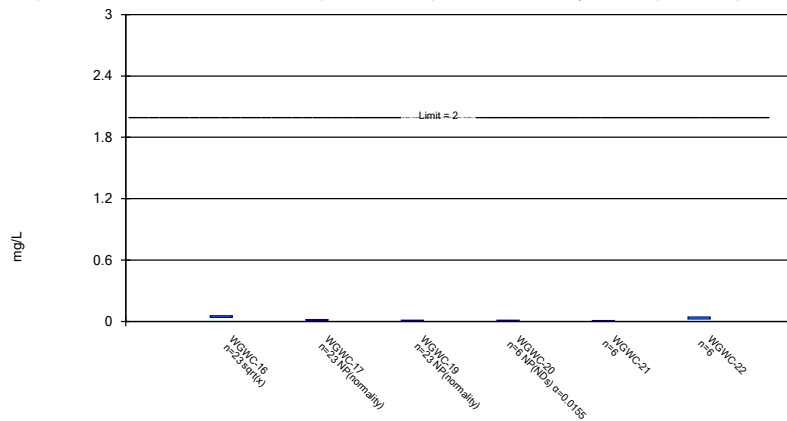
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

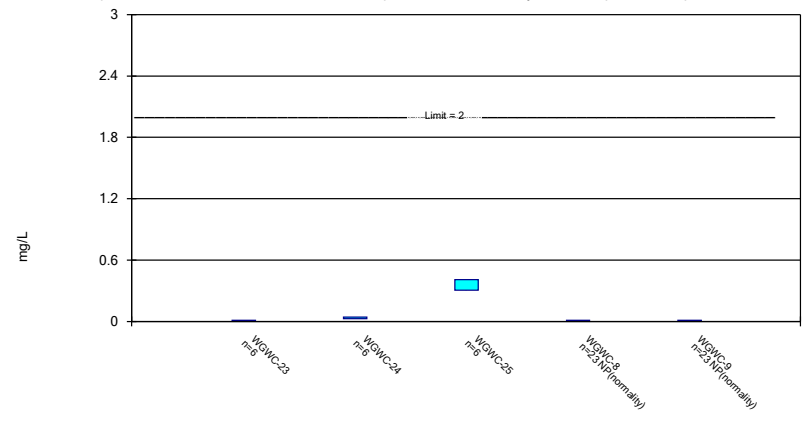
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

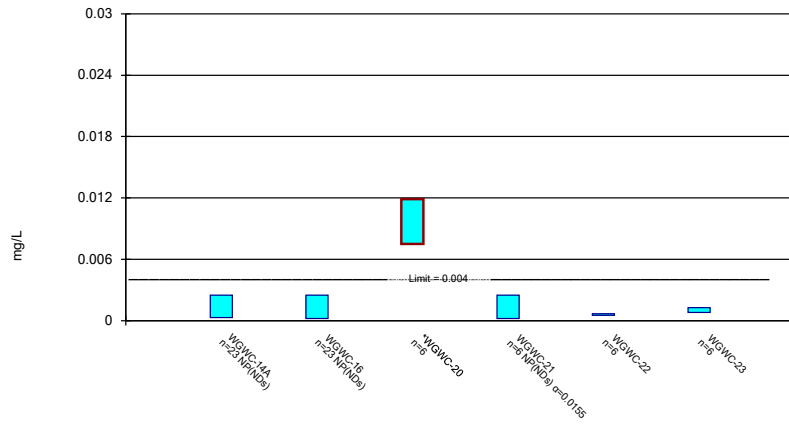
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

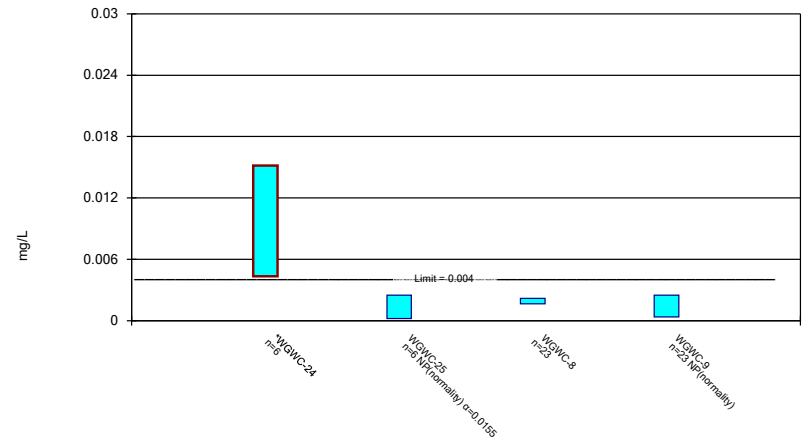
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

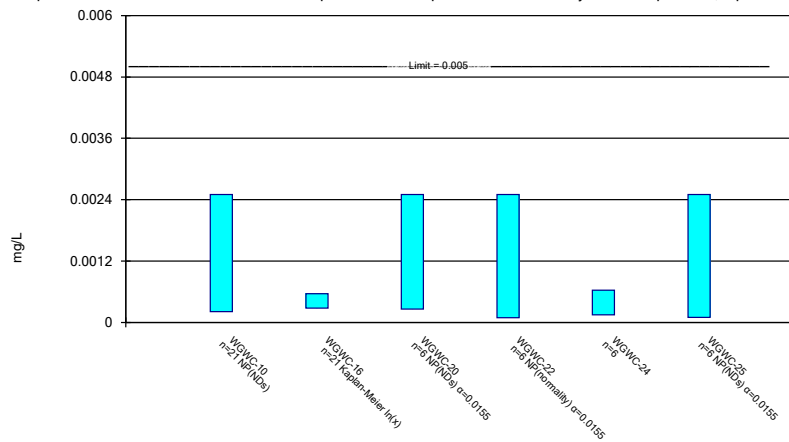
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

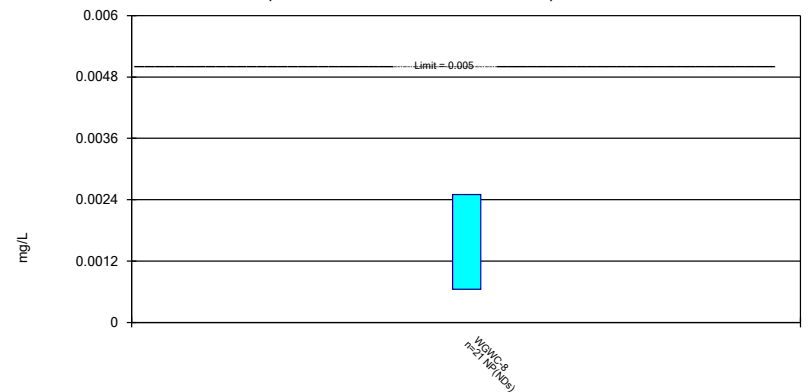
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Non-Parametric Confidence Interval

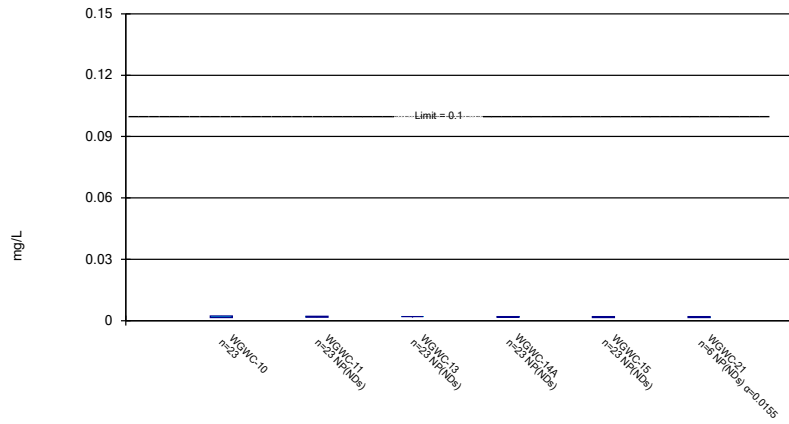
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

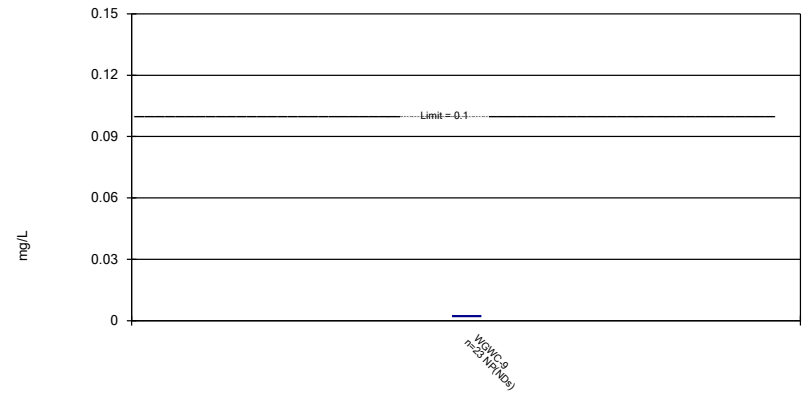
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Non-Parametric Confidence Interval

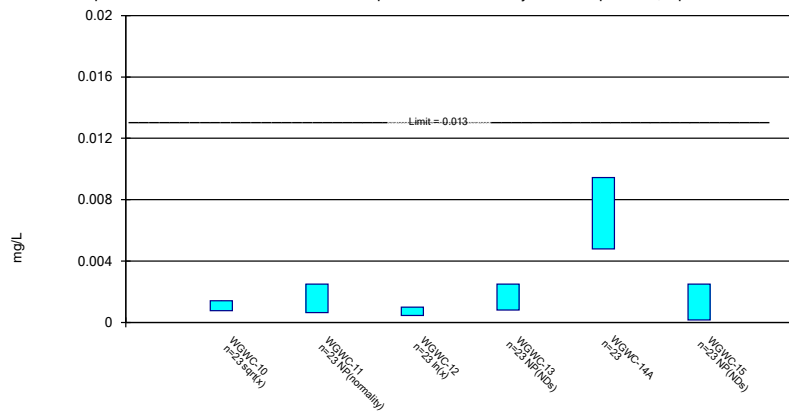
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

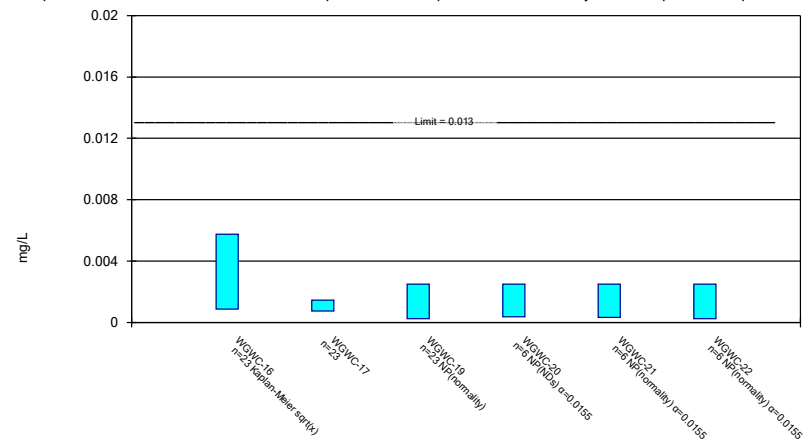
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

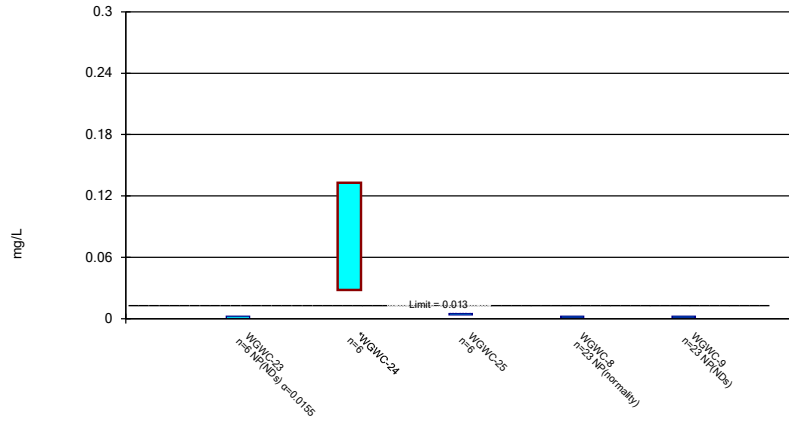
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

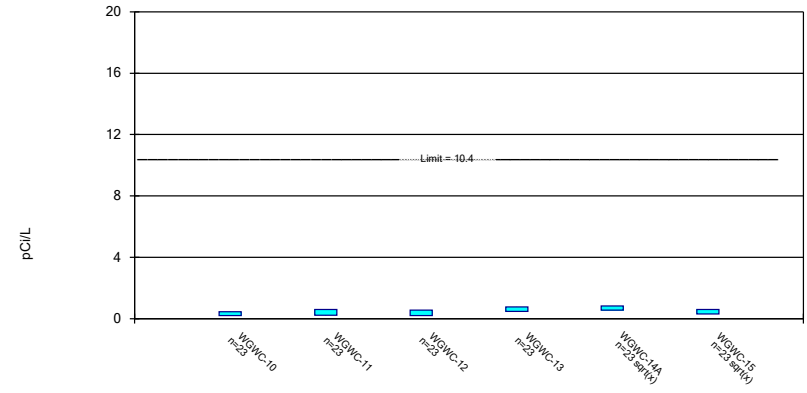
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric Confidence Interval

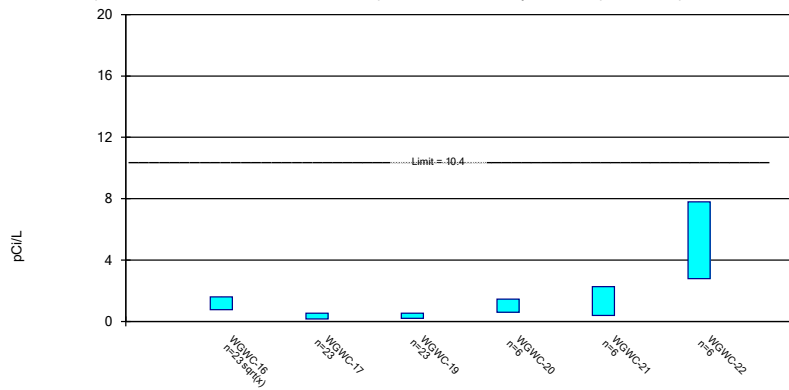
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric Confidence Interval

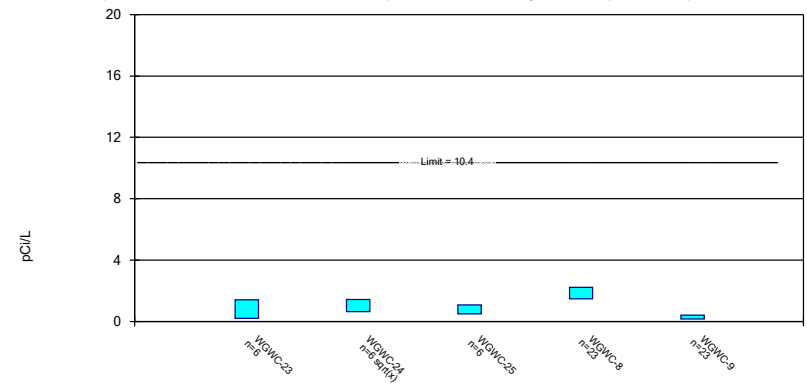
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric Confidence Interval

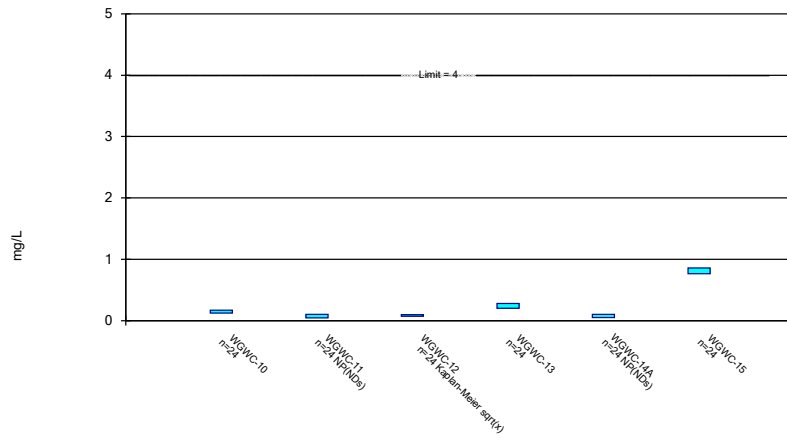
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

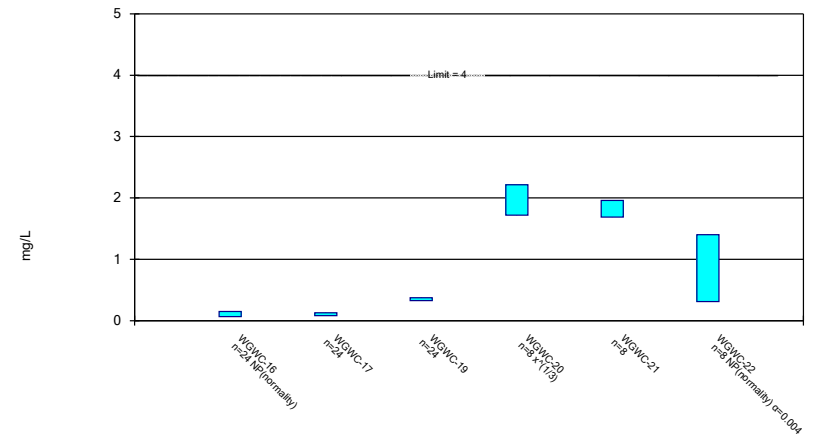
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

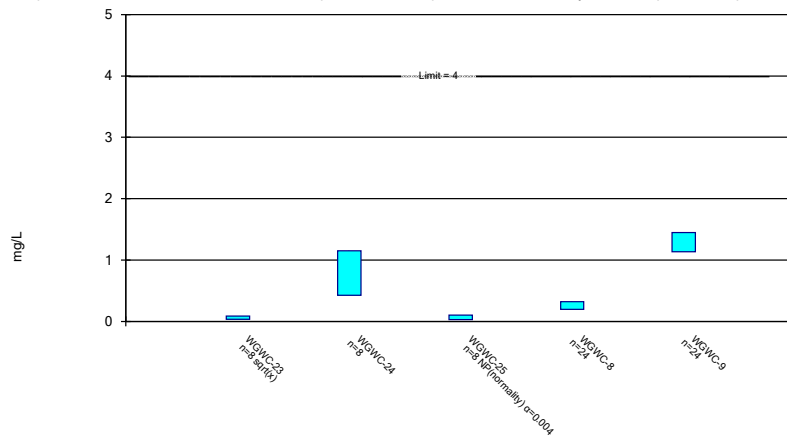
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

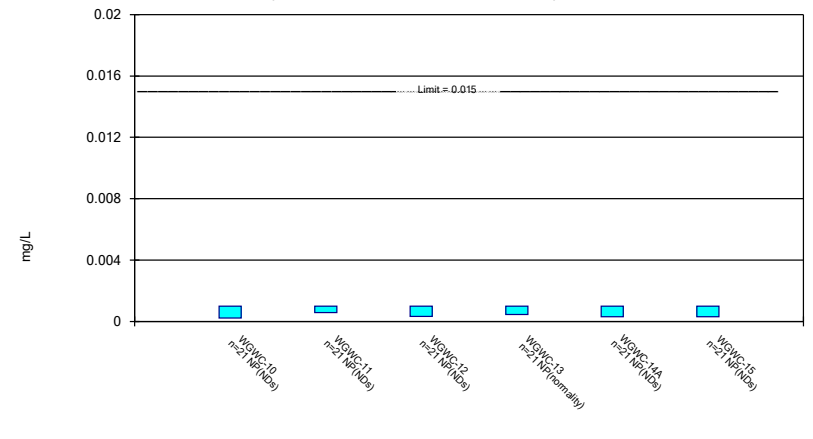
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Non-Parametric Confidence Interval

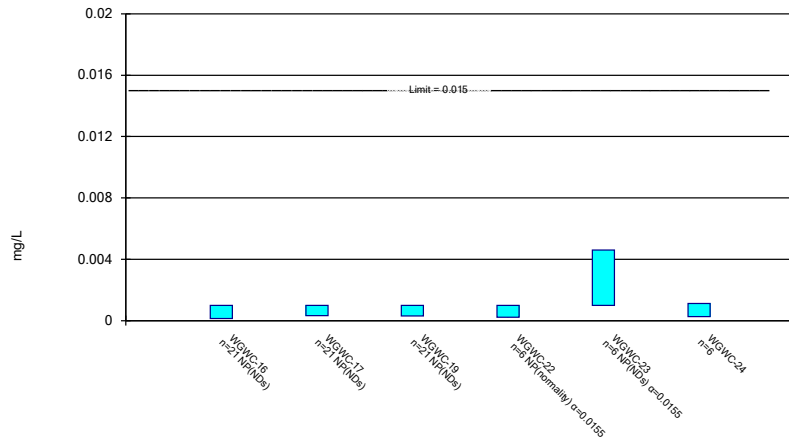
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

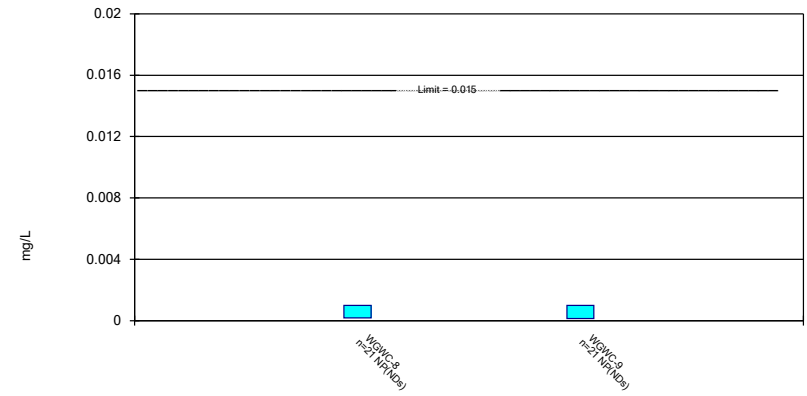
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Non-Parametric Confidence Interval

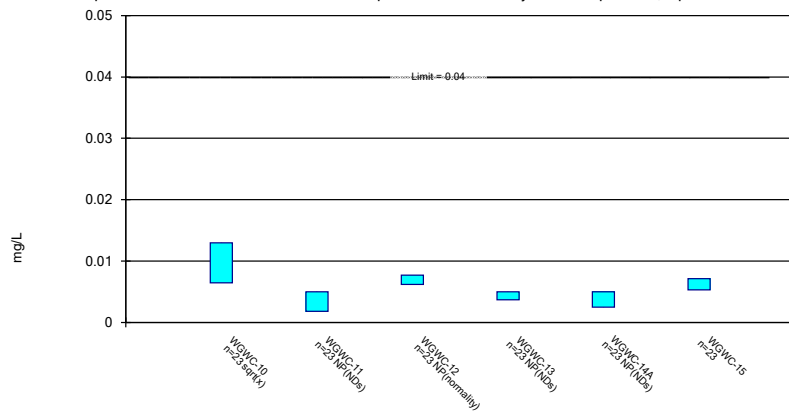
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

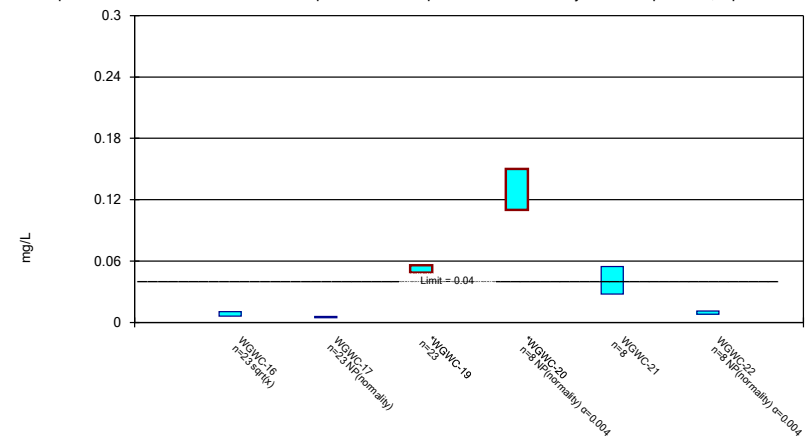
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

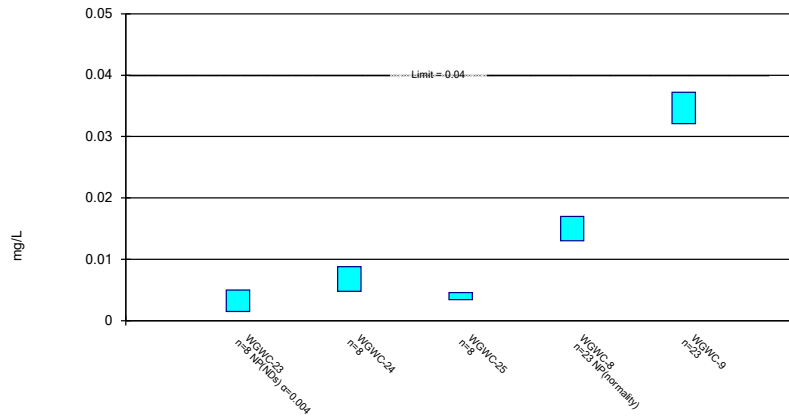
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

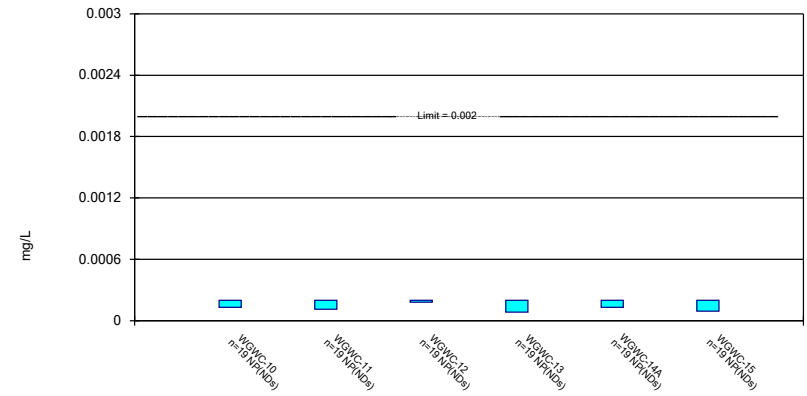
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Non-Parametric Confidence Interval

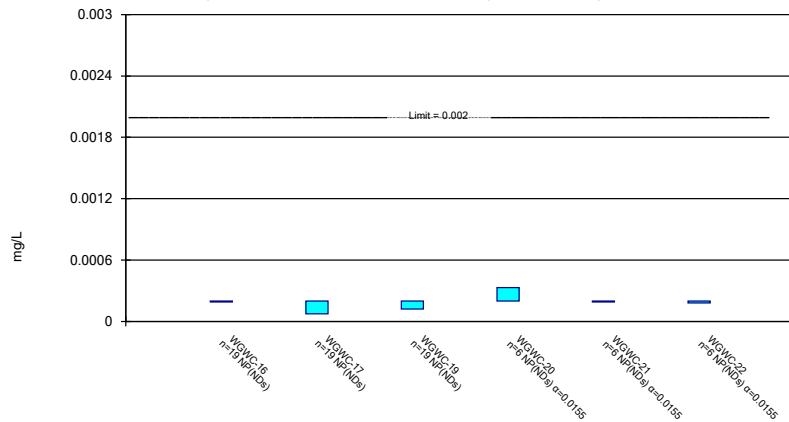
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Non-Parametric Confidence Interval

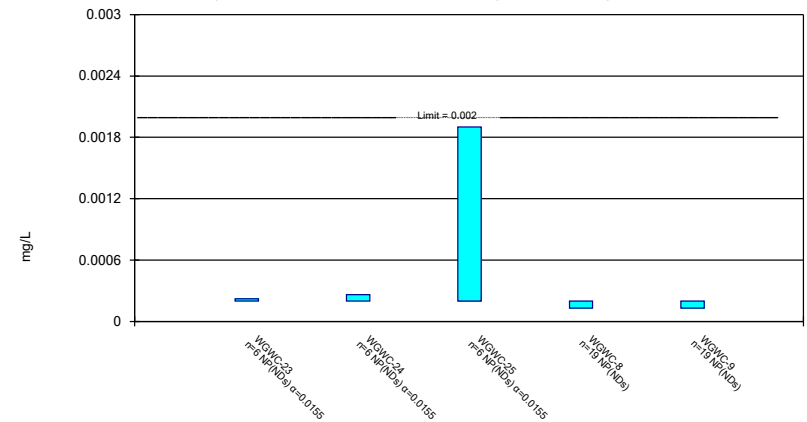
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Mercury Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Non-Parametric Confidence Interval

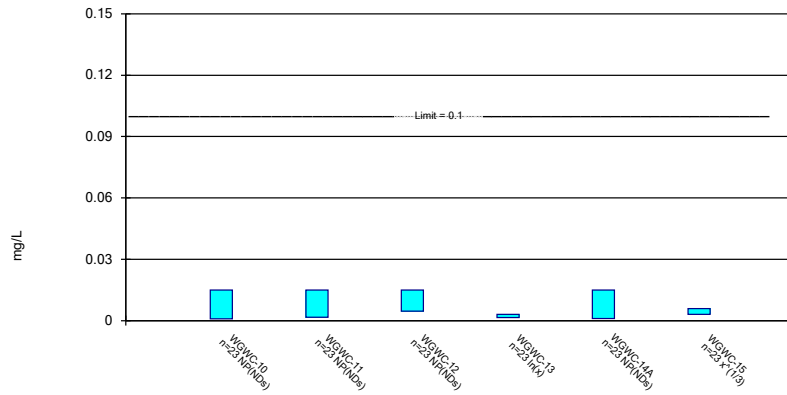
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Mercury Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

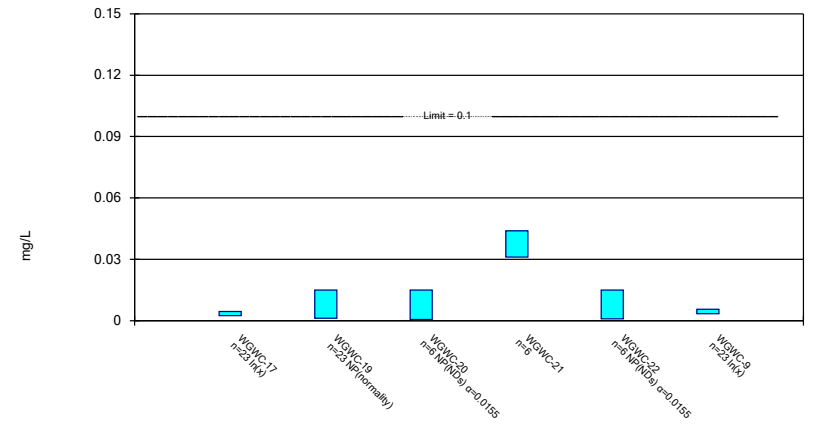
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

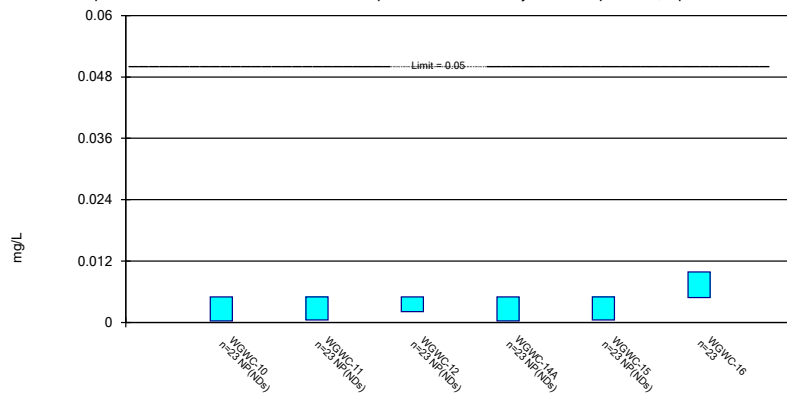
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

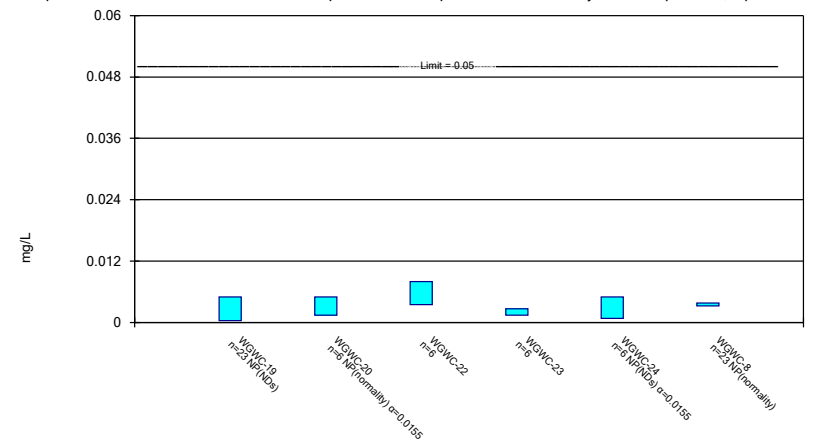
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

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: Selenium Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric Confidence Interval

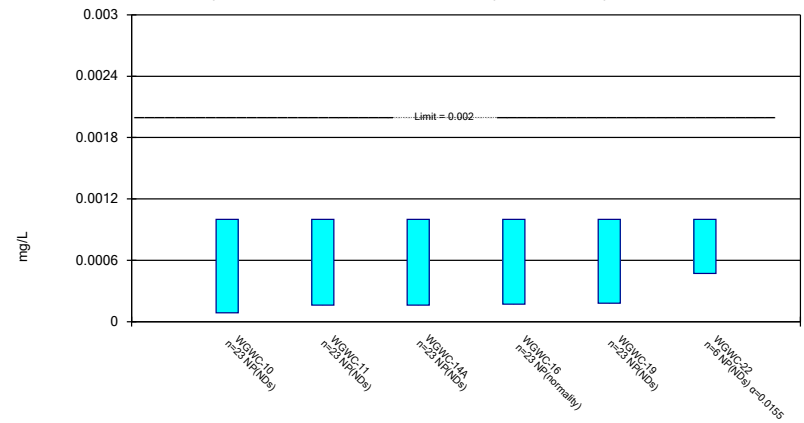
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 4/25/2023 10:08 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Non-Parametric Confidence Interval

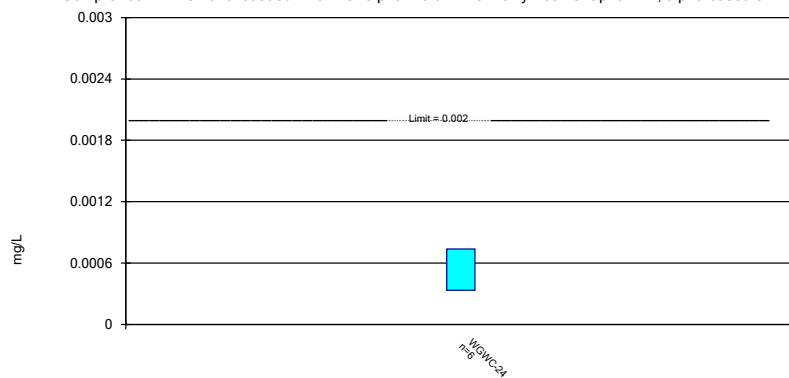
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Thallium Analysis Run 4/25/2023 10:09 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 4/25/2023 10:09 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-11 | WGWC-12 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 |
|------------|-------------|------------|-------------|-------------|-------------|-------------|
| 5/19/2016 | <0.002 | <0.002 | | | | |
| 7/20/2016 | <0.002 | <0.002 | | | | |
| 9/14/2016 | <0.002 | <0.002 | | | | |
| 11/11/2016 | <0.002 | <0.002 | <0.002 | | | |
| 1/27/2017 | <0.002 | <0.002 | | | | |
| 2/6/2017 | | | <0.002 | | | |
| 3/15/2017 | <0.002 | <0.002 | <0.002 | | | |
| 4/11/2017 | | | <0.002 | | | |
| 4/26/2017 | <0.002 | <0.002 | <0.002 | | | |
| 6/7/2017 | | | <0.002 | | | |
| 7/11/2017 | | | <0.002 | | | |
| 8/10/2017 | <0.002 | 0.0023 (J) | <0.002 | | | |
| 3/29/2018 | <0.002 | <0.002 | <0.002 | | | |
| 2/27/2019 | <0.002 | <0.002 | | | | |
| 2/28/2019 | | | <0.002 | | | |
| 2/5/2020 | <0.002 | <0.002 | | | | |
| 2/7/2020 | | | <0.002 | | | |
| 3/18/2020 | <0.002 | <0.002 | | | | |
| 5/4/2020 | | | <0.002 | | | |
| 2/3/2021 | <0.002 | <0.002 | <0.002 | | | |
| 3/11/2021 | | | <0.002 | | | |
| 3/12/2021 | <0.002 | <0.002 | | | | |
| 8/25/2021 | <0.002 | <0.002 | | | | |
| 8/26/2021 | | | <0.002 | <0.002 | 0.00076 (J) | <0.002 |
| 1/11/2022 | | | | | <0.002 | 0.00078 (J) |
| 1/12/2022 | | | | 0.00066 (J) | | |
| 3/3/2022 | <0.002 | | <0.002 | | 0.00053 (J) | |
| 3/4/2022 | | <0.002 | | 0.0011 (J) | | 0.00082 (J) |
| 6/6/2022 | | | | | <0.002 | |
| 6/7/2022 | | | | <0.002 | | 0.00054 (J) |
| 8/16/2022 | 0.00053 (J) | | | | 0.00055 (J) | |
| 8/17/2022 | | | 0.00058 (J) | | | |
| 8/18/2022 | | <0.002 | | <0.002 | | |
| 8/19/2022 | | | | | | <0.002 |
| 2/15/2023 | | | | | | 0.0012 (J) |
| 2/16/2023 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | |
| Mean | 0.001918 | 0.002017 | 0.001921 | 0.001627 | 0.001307 | 0.001223 |
| Std. Dev. | 0.0003465 | 7.071E-05 | 0.0003347 | 0.0005949 | 0.0007638 | 0.0006377 |
| Upper Lim. | 0.002 | 0.0023 | 0.002 | 0.002 | 0.002 | 0.00116 |
| Lower Lim. | 0.00053 | 0.002 | 0.00058 | 0.00066 | 0.00053 | 0.0005103 |

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-23 | WGWC-8 | WGWC-9 |
|------------|------------|-------------|-------------|
| 5/19/2016 | | <0.002 | <0.002 |
| 7/20/2016 | | <0.002 | <0.002 |
| 9/14/2016 | | | <0.002 |
| 9/15/2016 | | <0.002 | |
| 11/14/2016 | | <0.002 | |
| 2/6/2017 | | <0.002 | |
| 2/9/2017 | | | <0.002 |
| 3/15/2017 | | <0.002 | 0.0011 (J) |
| 4/11/2017 | | | <0.002 |
| 4/26/2017 | | <0.002 | <0.002 |
| 8/10/2017 | | <0.002 | <0.002 |
| 3/29/2018 | | <0.002 | <0.002 |
| 2/27/2019 | | <0.002 | |
| 2/28/2019 | | | <0.002 |
| 2/5/2020 | | | <0.002 |
| 2/7/2020 | | <0.002 | |
| 3/19/2020 | | <0.002 | 0.00041 (J) |
| 2/3/2021 | | <0.002 | |
| 2/4/2021 | | | 0.00041 (J) |
| 3/11/2021 | | <0.002 | |
| 3/12/2021 | | | <0.002 |
| 8/26/2021 | <0.002 | <0.002 | <0.002 |
| 1/11/2022 | 0.0012 (J) | | |
| 3/3/2022 | | <0.002 | 0.008 |
| 3/4/2022 | 0.0018 (J) | | |
| 6/6/2022 | 0.0013 (J) | | |
| 8/16/2022 | | 0.011 | |
| 8/17/2022 | <0.002 | | 0.0043 |
| 2/15/2023 | 0.0022 | | 0.00048 (J) |
| 2/16/2023 | | 0.00064 (J) | |
| Mean | 0.00175 | 0.002424 | 0.00215 |
| Std. Dev. | 0.0004087 | 0.002164 | 0.001699 |
| Upper Lim. | 0.002073 | 0.011 | 0.0043 |
| Lower Lim. | 0.001049 | 0.00064 | 0.0011 |

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 5/18/2016 | <0.001 | | | | | 0.00345 |
| 5/19/2016 | | <0.001 | <0.001 | <0.001 | | |
| 7/19/2016 | | | | | | 0.0031 |
| 7/20/2016 | <0.001 | <0.001 | <0.001 | <0.001 | | |
| 9/14/2016 | <0.001 | <0.001 | <0.001 | <0.001 | | 0.0024 |
| 11/10/2016 | | | | <0.001 | | 0.0023 |
| 11/11/2016 | <0.001 | <0.001 | <0.001 | | | |
| 1/24/2017 | | | | | | 0.0019 |
| 1/27/2017 | | 0.00047 (J) | <0.001 | 0.00066 (J) | | |
| 2/6/2017 | <0.001 | | | | | |
| 2/8/2017 | | | | | <0.001 | |
| 2/23/2017 | | | | | <0.001 | |
| 3/14/2017 | | | | | | 0.0016 |
| 3/15/2017 | <0.001 | <0.001 | <0.001 | <0.001 | | |
| 3/17/2017 | | | | | 0.0006 (J) | |
| 4/11/2017 | | | | | 0.0032 | |
| 4/25/2017 | | | | | | 0.0019 |
| 4/26/2017 | <0.001 | <0.001 | <0.001 | <0.001 | 0.0019 | |
| 5/17/2017 | | | | | 0.0014 | |
| 6/7/2017 | | | | | 0.0021 | |
| 7/11/2017 | | | | | 0.00095 (J) | |
| 8/9/2017 | | | | <0.001 | | 0.0017 |
| 8/10/2017 | <0.001 | <0.001 | 0.00048 (J) | | | |
| 3/29/2018 | | <0.001 | <0.001 | 0.00067 (J) | <0.001 | |
| 3/30/2018 | <0.001 | | | | | 0.0018 |
| 6/14/2018 | 0.0005 (J) | <0.001 | 0.00052 (J) | 0.00093 (J) | <0.001 | 0.002 |
| 10/3/2018 | | | | | | 0.0024 |
| 10/4/2018 | 0.00089 (J) | 0.00054 (J) | <0.001 | 0.0015 | 0.0017 | |
| 2/27/2019 | <0.001 | <0.001 | <0.001 | 0.00036 (J) | <0.001 | 0.0015 |
| 4/3/2019 | | <0.001 | <0.001 | 0.00053 (J) | <0.001 | |
| 4/4/2019 | <0.001 | | | | | 0.0019 |
| 9/18/2019 | | | | 0.00039 (J) | <0.001 | 0.0016 |
| 9/19/2019 | 0.00038 (J) | <0.001 | <0.001 | | | |
| 2/5/2020 | 0.00035 (J) | <0.001 | <0.001 | 0.00048 (J) | <0.001 | |
| 2/7/2020 | | | | | | 0.001 |
| 3/18/2020 | <0.001 | <0.001 | <0.001 | | | 0.00088 (J) |
| 3/19/2020 | | | | 0.00039 (J) | <0.001 | |
| 9/23/2020 | <0.001 | | <0.001 | | | 0.00061 (J) |
| 9/24/2020 | | 0.00051 (J) | | <0.001 | <0.001 | |
| 2/3/2021 | | <0.001 | <0.001 | | | |
| 2/4/2021 | <0.001 | | | 0.00038 (J) | <0.001 | 0.00069 (J) |
| 3/11/2021 | 0.00031 (J) | | | 0.00035 (J) | <0.001 | |
| 3/12/2021 | | <0.001 | <0.001 | | | 0.00084 (J) |
| 8/25/2021 | | <0.001 | <0.001 | <0.001 | <0.001 | |
| 8/26/2021 | <0.001 | | | | | 0.0012 |
| 3/3/2022 | <0.001 | <0.001 | | <0.001 | <0.001 | 0.00057 (J) |
| 3/4/2022 | | | 0.00037 (J) | | | |
| 8/16/2022 | | <0.001 | | | | |
| 8/17/2022 | | | | | | 0.00052 (J) |
| 8/18/2022 | | | <0.001 | 0.00034 (J) | | |
| 8/19/2022 | <0.001 | | | | <0.001 | |
| 2/15/2023 | | | | | | <0.001 |

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 2/16/2023 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | |
| Mean | 0.0008883 | 0.0009357 | 0.0009291 | 0.0007817 | 0.001211 | 0.001581 |
| Std. Dev. | 0.0002391 | 0.0001702 | 0.0001886 | 0.0003213 | 0.0005498 | 0.0008198 |
| Upper Lim. | 0.001 | 0.001 | 0.001 | 0.001 | 0.0014 | 0.00201 |
| Lower Lim. | 0.00089 | 0.00054 | 0.00052 | 0.00039 | 0.00095 | 0.001152 |

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-8 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 5/18/2016 | <0.001 | <0.001 | | | | |
| 5/19/2016 | | | | | | <0.001 |
| 7/19/2016 | 0.0009 (J) | | | | | |
| 7/20/2016 | | 0.00058 (J) | | | | 0.00055 (J) |
| 9/14/2016 | 0.0014 | <0.001 | | | | |
| 9/15/2016 | | | | | | <0.001 |
| 11/10/2016 | 0.0021 | 0.00082 (J) | | | | |
| 11/14/2016 | | | | | | <0.001 |
| 1/20/2017 | | <0.001 | | | | |
| 1/24/2017 | 0.0015 | | | | | |
| 2/6/2017 | | | | | | <0.001 |
| 3/14/2017 | | <0.001 | | | | |
| 3/15/2017 | 0.0014 | | | | | <0.001 |
| 4/25/2017 | 0.0014 | 0.00095 (J) | | | | |
| 4/26/2017 | | | | | | <0.001 |
| 8/9/2017 | 0.0013 | <0.001 | | | | |
| 8/10/2017 | | | | | | <0.001 |
| 3/29/2018 | 0.0014 | | | | | <0.001 |
| 3/30/2018 | | <0.001 | | | | |
| 6/14/2018 | <0.001 | 0.00076 (J) | | | | <0.001 |
| 10/4/2018 | 0.0013 | 0.00088 (J) | | | | 0.0015 |
| 2/26/2019 | | 0.0005 (J) | | | | |
| 2/27/2019 | 0.00046 (J) | | | | | 0.00047 (J) |
| 4/3/2019 | | | | | | <0.001 |
| 4/4/2019 | <0.001 | <0.001 | | | | |
| 9/18/2019 | <0.001 | <0.001 | | | | |
| 9/19/2019 | | | | | | 0.00032 (J) |
| 2/7/2020 | <0.001 | 0.00075 (J) | | | | 0.0011 |
| 3/18/2020 | <0.001 | 0.00054 (J) | | | | |
| 3/19/2020 | | | | | | 0.00071 (J) |
| 9/22/2020 | | | | | | 0.0011 |
| 9/23/2020 | <0.001 | 0.00067 (J) | | | | |
| 2/3/2021 | | | | | | 0.0013 |
| 2/4/2021 | <0.001 | 0.00035 (J) | | | | |
| 3/11/2021 | <0.001 | <0.001 | | | | 0.0009 (J) |
| 8/25/2021 | <0.001 | <0.001 | | | | |
| 8/26/2021 | | | 0.00031 (J) | 0.00057 (J) | <0.001 | 0.0013 |
| 1/11/2022 | | | | 0.00036 (J) | <0.001 | |
| 1/12/2022 | | | 0.00052 (J) | | | |
| 3/3/2022 | <0.001 | | | 0.00053 (J) | | 0.0014 |
| 3/4/2022 | | <0.001 | 0.00078 (J) | | 0.00046 (J) | |
| 6/6/2022 | | | | 0.00083 (J) | | |
| 6/7/2022 | | | 0.00033 (J) | | 0.00029 (J) | |
| 8/16/2022 | | <0.001 | | 0.00028 (J) | | 0.00097 (J) |
| 8/17/2022 | <0.001 | | | | | |
| 8/18/2022 | | | <0.001 | | | |
| 8/19/2022 | | | | | <0.001 | |
| 2/15/2023 | <0.001 | | | | <0.001 | |
| 2/16/2023 | | <0.001 | <0.001 | <0.001 | | <0.001 |
| Mean | 0.001137 | 0.0008609 | 0.0006567 | 0.000595 | 0.0007917 | 0.0009835 |
| Std. Dev. | 0.0003124 | 0.0002015 | 0.0003151 | 0.0002752 | 0.0003272 | 0.0002734 |
| Upper Lim. | 0.0014 | 0.001 | 0.0007446 | 0.0007759 | 0.001 | 0.001007 |

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-8 |
|------------|---------|---------|-----------|-----------|---------|-----------|
| Lower Lim. | 0.001 | 0.00075 | 0.0002254 | 0.0002521 | 0.00029 | 0.0006326 |

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-9 |
|------------|-------------|
| 5/19/2016 | <0.001 |
| 7/20/2016 | 0.00078 (J) |
| 9/14/2016 | <0.001 |
| 2/9/2017 | 0.0017 |
| 3/15/2017 | 0.00047 (J) |
| 4/11/2017 | <0.001 |
| 4/26/2017 | <0.001 |
| 8/10/2017 | <0.001 |
| 3/29/2018 | <0.001 |
| 6/14/2018 | <0.001 |
| 10/4/2018 | <0.001 |
| 2/28/2019 | <0.001 |
| 4/3/2019 | <0.001 |
| 9/19/2019 | <0.001 |
| 2/5/2020 | <0.001 |
| 3/19/2020 | <0.001 |
| 9/23/2020 | <0.001 |
| 2/4/2021 | <0.001 |
| 3/12/2021 | <0.001 |
| 8/26/2021 | <0.001 |
| 3/3/2022 | <0.001 |
| 8/17/2022 | <0.001 |
| 2/15/2023 | <0.001 |
| Mean | 0.0009978 |
| Std. Dev. | 0.000193 |
| Upper Lim. | 0.0017 |
| Lower Lim. | 0.00078 |

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|---------|---------|---------|---------|----------|---------|
| 5/18/2016 | 0.0391 | | | | | 0.0206 |
| 5/19/2016 | | 0.031 | 0.0214 | 0.055 | | |
| 7/19/2016 | | | | | | 0.019 |
| 7/20/2016 | 0.028 | 0.029 | 0.019 | 0.039 | | |
| 9/14/2016 | 0.035 | 0.031 | 0.02 | 0.04 | | 0.02 |
| 11/10/2016 | | | | 0.04 | | 0.02 |
| 11/11/2016 | 0.042 | 0.034 | 0.022 | | | |
| 1/24/2017 | | | | | | 0.017 |
| 1/27/2017 | | 0.042 | 0.023 | 0.042 | | |
| 2/6/2017 | 0.041 | | | | | |
| 2/8/2017 | | | | | 0.037 | |
| 2/23/2017 | | | | | 0.051 | |
| 3/14/2017 | | | | | | 0.018 |
| 3/15/2017 | 0.04 | 0.032 | 0.024 | 0.058 | | |
| 3/17/2017 | | | | | 0.046 | |
| 4/11/2017 | | | | | 0.055 | |
| 4/25/2017 | | | | | | 0.018 |
| 4/26/2017 | 0.039 | 0.03 | 0.004 | 0.054 | 0.042 | |
| 5/17/2017 | | | | | 0.052 | |
| 6/7/2017 | | | | | 0.06 | |
| 7/11/2017 | | | | | 0.038 | |
| 8/9/2017 | | | | 0.055 | | 0.02 |
| 8/10/2017 | 0.038 | 0.03 | 0.017 | | | |
| 3/29/2018 | | 0.028 | 0.017 | 0.061 | 0.028 | |
| 3/30/2018 | 0.042 | | | | | 0.021 |
| 6/14/2018 | 0.038 | 0.03 | 0.015 | 0.055 | 0.023 | 0.022 |
| 10/3/2018 | | | | | | 0.024 |
| 10/4/2018 | 0.04 | 0.035 | 0.017 | 0.046 | 0.036 | |
| 2/27/2019 | 0.04 | 0.04 | 0.016 | 0.054 | 0.028 | 0.023 |
| 4/3/2019 | | 0.035 | 0.015 | 0.056 | 0.026 | |
| 4/4/2019 | 0.04 | | | | | 0.022 |
| 9/18/2019 | | | | 0.062 | 0.025 | 0.026 |
| 9/19/2019 | 0.038 | 0.033 | 0.016 | | | |
| 2/5/2020 | 0.061 | 0.047 | 0.016 | 0.052 | 0.077 | |
| 2/7/2020 | | | | | | 0.022 |
| 3/18/2020 | 0.035 | 0.038 | 0.016 | | | 0.021 |
| 3/19/2020 | | | | 0.072 | 0.031 | |
| 9/23/2020 | 0.035 | | 0.016 | | | 0.027 |
| 9/24/2020 | | 0.061 | | 0.038 | 0.034 | |
| 2/3/2021 | | 0.039 | 0.015 | | | |
| 2/4/2021 | 0.035 | | | 0.047 | 0.029 | 0.028 |
| 3/11/2021 | 0.033 | | | 0.049 | 0.032 | |
| 3/12/2021 | | 0.045 | 0.017 | | | 0.028 |
| 8/25/2021 | | 0.04 | 0.016 | 0.046 | 0.03 | |
| 8/26/2021 | 0.032 | | | | | 0.029 |
| 3/3/2022 | 0.033 | 0.04 | | 0.045 | 0.029 | 0.029 |
| 3/4/2022 | | | 0.016 | | | |
| 8/16/2022 | | 0.038 | | | | |
| 8/17/2022 | | | | | | 0.027 |
| 8/18/2022 | | | 0.014 | 0.041 | | |
| 8/19/2022 | 0.03 | | | | 0.026 | |
| 2/15/2023 | | | | | | 0.029 |

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|----------|----------|----------|----------|----------|----------|
| 2/16/2023 | 0.032 | 0.041 | 0.014 | 0.037 | 0.028 | |
| Mean | 0.03766 | 0.03691 | 0.0168 | 0.04974 | 0.03752 | 0.02307 |
| Std. Dev. | 0.006423 | 0.007495 | 0.003974 | 0.009056 | 0.01356 | 0.003964 |
| Upper Lim. | 0.04034 | 0.04039 | 0.01902 | 0.05448 | 0.0433 | 0.02514 |
| Lower Lim. | 0.03431 | 0.03296 | 0.01526 | 0.045 | 0.03029 | 0.021 |

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 |
|------------|---------|----------|-------------|-------------|------------|----------|
| 5/18/2016 | 0.0715 | 0.0219 | | | | |
| 7/19/2016 | 0.069 | | | | | |
| 7/20/2016 | | 0.019 | | | | |
| 9/14/2016 | 0.066 | 0.017 | | | | |
| 11/10/2016 | 0.069 | 0.02 | | | | |
| 11/11/2016 | | | 0.0022 (J) | | | |
| 1/20/2017 | | 0.018 | | | | |
| 1/24/2017 | 0.068 | | | | | |
| 2/6/2017 | | | 0.0018 (J) | | | |
| 3/14/2017 | | 0.019 | | | | |
| 3/15/2017 | 0.065 | | 0.0015 (J) | | | |
| 4/11/2017 | | | 0.0014 (J) | | | |
| 4/25/2017 | 0.057 | 0.023 | | | | |
| 4/26/2017 | | | 0.0014 (J) | | | |
| 6/7/2017 | | | 0.0014 (J) | | | |
| 7/11/2017 | | | 0.0013 (J) | | | |
| 8/9/2017 | 0.069 | 0.017 | | | | |
| 8/10/2017 | | | 0.0012 (J) | | | |
| 3/29/2018 | 0.05 | | 0.00097 (J) | | | |
| 3/30/2018 | | 0.015 | | | | |
| 6/14/2018 | 0.046 | 0.013 | 0.0011 (J) | | | |
| 10/4/2018 | 0.046 | 0.013 | 0.0012 (J) | | | |
| 2/26/2019 | | 0.012 | | | | |
| 2/27/2019 | 0.028 | | | | | |
| 2/28/2019 | | | <0.01 | | | |
| 4/2/2019 | | | 0.0013 (J) | | | |
| 4/4/2019 | 0.027 | 0.011 | | | | |
| 9/18/2019 | 0.032 | 0.011 | <0.01 | | | |
| 2/7/2020 | 0.034 | 0.011 | 0.0065 (J) | | | |
| 3/18/2020 | 0.034 | 0.012 | | | | |
| 5/4/2020 | | | <0.01 | | | |
| 9/23/2020 | 0.037 | 0.012 | <0.01 | | | |
| 2/3/2021 | | | <0.01 | | | |
| 2/4/2021 | 0.039 | 0.012 | | | | |
| 3/11/2021 | 0.037 | 0.011 | <0.01 | | | |
| 8/25/2021 | 0.035 | 0.011 | | | | |
| 8/26/2021 | | | <0.01 | <0.01 | 0.0086 (J) | 0.031 |
| 1/11/2022 | | | | | 0.0076 (J) | 0.04 |
| 1/12/2022 | | | | <0.01 | | |
| 3/3/2022 | 0.041 | | <0.01 | | 0.0068 (J) | |
| 3/4/2022 | | 0.011 | | <0.01 | | 0.038 |
| 6/6/2022 | | | | | 0.0079 (J) | |
| 6/7/2022 | | | | <0.01 | | 0.025 |
| 8/16/2022 | | 0.011 | | | 0.0039 (J) | |
| 8/17/2022 | 0.032 | | 0.0012 (J) | | | |
| 8/18/2022 | | | | 0.00091 (J) | | |
| 8/19/2022 | | | | | | 0.023 |
| 2/15/2023 | 0.044 | | | | | 0.033 |
| 2/16/2023 | | 0.01 | 0.00096 (J) | <0.01 | 0.0053 (J) | |
| Mean | 0.04767 | 0.01439 | 0.004584 | 0.008485 | 0.006683 | 0.03167 |
| Std. Dev. | 0.01549 | 0.004034 | 0.004188 | 0.003711 | 0.00177 | 0.006802 |
| Upper Lim. | 0.05477 | 0.018 | 0.01 | 0.01 | 0.009115 | 0.04101 |

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 |
|------------|---------|---------|---------|---------|----------|---------|
| Lower Lim. | 0.03889 | 0.011 | 0.0012 | 0.00091 | 0.004252 | 0.02232 |

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-23 | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 |
|------------|------------|----------|---------|-------------|-------------|
| 5/19/2016 | | | | 0.0026 | <0.01 |
| 7/20/2016 | | | | 0.0017 (J) | 0.0014 (J) |
| 9/14/2016 | | | | | 0.00092 (J) |
| 9/15/2016 | | | | 0.0039 | |
| 11/14/2016 | | | | 0.00085 (J) | |
| 2/6/2017 | | | | 0.0011 (J) | |
| 2/9/2017 | | | | | 0.0015 (J) |
| 3/15/2017 | | | | 0.0013 (J) | 0.00054 (J) |
| 4/11/2017 | | | | | 0.0007 (J) |
| 4/26/2017 | | | | 0.00098 (J) | <0.01 |
| 8/10/2017 | | | | 0.0025 | 0.00053 (J) |
| 3/29/2018 | | | | 0.00085 (J) | <0.01 |
| 6/14/2018 | | | | 0.0028 | 0.00088 (J) |
| 10/4/2018 | | | | 0.0017 (J) | 0.00076 (J) |
| 2/27/2019 | | | | <0.01 | |
| 2/28/2019 | | | | | 0.0023 (J) |
| 4/3/2019 | | | | 0.001 (J) | <0.01 |
| 9/19/2019 | | | | <0.01 | 0.0018 (J) |
| 2/5/2020 | | | | | 0.0022 (J) |
| 2/7/2020 | | | | <0.01 | |
| 3/19/2020 | | | | <0.01 | 0.0021 (J) |
| 9/22/2020 | | | | <0.01 | |
| 9/23/2020 | | | | | <0.01 |
| 2/3/2021 | | | | <0.01 | |
| 2/4/2021 | | | | | 0.0016 (J) |
| 3/11/2021 | | | | <0.01 | |
| 3/12/2021 | | | | | <0.01 |
| 8/26/2021 | 0.0078 (J) | 0.042 | 0.41 | <0.01 | <0.01 |
| 1/11/2022 | 0.0072 (J) | 0.029 | 0.38 | | |
| 3/3/2022 | | 0.028 | | <0.01 | <0.01 |
| 3/4/2022 | 0.0081 (J) | | 0.38 | | |
| 6/6/2022 | 0.0097 (J) | 0.032 | | | |
| 6/7/2022 | | | 0.34 | | |
| 8/16/2022 | | | | 0.0014 (J) | |
| 8/17/2022 | 0.0089 (J) | | 0.31 | | <0.01 |
| 8/18/2022 | | 0.041 | | | |
| 2/15/2023 | 0.0055 (J) | 0.036 | 0.33 | | <0.01 |
| 2/16/2023 | | | | 0.00093 (J) | |
| Mean | 0.007867 | 0.03467 | 0.3583 | 0.00494 | 0.005097 |
| Std. Dev. | 0.001451 | 0.005989 | 0.03764 | 0.004209 | 0.004423 |
| Upper Lim. | 0.009861 | 0.04289 | 0.41 | 0.01 | 0.01 |
| Lower Lim. | 0.005873 | 0.02644 | 0.3066 | 0.0011 | 0.00092 |

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-14A | WGWC-16 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-23 |
|------------|-------------|-------------|----------|-------------|-------------|-------------|
| 5/18/2016 | | <0.0025 | | | | |
| 7/19/2016 | | <0.0025 | | | | |
| 9/14/2016 | | <0.0025 | | | | |
| 11/10/2016 | | <0.0025 | | | | |
| 1/24/2017 | | <0.0025 | | | | |
| 2/8/2017 | <0.0025 | | | | | |
| 2/23/2017 | <0.0025 | | | | | |
| 3/15/2017 | | <0.0025 | | | | |
| 3/17/2017 | <0.0025 | | | | | |
| 4/11/2017 | <0.0025 | | | | | |
| 4/25/2017 | | <0.0025 | | | | |
| 4/26/2017 | <0.0025 | | | | | |
| 5/17/2017 | <0.0025 | | | | | |
| 6/7/2017 | <0.0025 | | | | | |
| 7/11/2017 | <0.0025 | | | | | |
| 8/9/2017 | | <0.0025 | | | | |
| 3/29/2018 | <0.0025 | <0.0025 | | | | |
| 6/14/2018 | <0.0025 | <0.0025 | | | | |
| 10/4/2018 | <0.0025 | <0.0025 | | | | |
| 2/27/2019 | 0.00017 (J) | 0.00022 (J) | | | | |
| 4/3/2019 | <0.0025 | | | | | |
| 4/4/2019 | | <0.0025 | | | | |
| 9/18/2019 | 0.00032 (J) | <0.0025 | | | | |
| 2/5/2020 | 0.00024 (J) | | | | | |
| 2/7/2020 | | <0.0025 | | | | |
| 3/18/2020 | | <0.0025 | | | | |
| 3/19/2020 | 0.00025 (J) | | | | | |
| 9/23/2020 | | <0.0025 | | | | |
| 9/24/2020 | 0.00024 (J) | | | | | |
| 2/4/2021 | 0.00026 (J) | <0.0025 | | | | |
| 3/11/2021 | <0.0025 | <0.0025 | | | | |
| 8/25/2021 | <0.0025 | <0.0025 | | | | |
| 8/26/2021 | | | 0.0081 | <0.0025 | 0.00053 (J) | 0.00089 (J) |
| 1/11/2022 | | | | <0.0025 | 0.00057 (J) | 0.0012 (J) |
| 1/12/2022 | | | 0.012 | | | |
| 3/3/2022 | <0.0025 | <0.0025 | | <0.0025 | | |
| 3/4/2022 | | | 0.01 | | 0.00066 (J) | 0.00097 (J) |
| 6/6/2022 | | | | <0.0025 | | 0.0011 (J) |
| 6/7/2022 | | | 0.0089 | | 0.00055 (J) | |
| 8/16/2022 | | | | 0.00022 (J) | | |
| 8/17/2022 | | <0.0025 | | | | 0.00078 (J) |
| 8/18/2022 | | | 0.0081 | | | |
| 8/19/2022 | <0.0025 | | | | 0.00063 (J) | |
| 2/15/2023 | | <0.0025 | | | 0.00067 (J) | 0.0012 (J) |
| 2/16/2023 | 0.00031 (J) | | 0.011 | <0.0025 | | |
| Mean | 0.001817 | 0.002401 | 0.009683 | 0.00212 | 0.0006017 | 0.001023 |
| Std. Dev. | 0.001056 | 0.0004754 | 0.001602 | 0.0009308 | 5.947E-05 | 0.0001721 |
| Upper Lim. | 0.0025 | 0.0025 | 0.01188 | 0.0025 | 0.0006834 | 0.00126 |
| Lower Lim. | 0.00031 | 0.00022 | 0.007483 | 0.00022 | 0.00052 | 0.0007869 |

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 |
|------------|----------|-------------|-------------|-------------|
| 5/19/2016 | | | 0.00102 (J) | <0.0025 |
| 7/20/2016 | | | 0.0014 (J) | <0.0025 |
| 9/14/2016 | | | | <0.0025 |
| 9/15/2016 | | | 0.00093 (J) | |
| 11/14/2016 | | | 0.0014 (J) | |
| 2/6/2017 | | | 0.0017 (J) | |
| 2/9/2017 | | | | 0.00041 (J) |
| 3/15/2017 | | | 0.0016 (J) | <0.0025 |
| 4/11/2017 | | | | <0.0025 |
| 4/26/2017 | | | 0.0017 (J) | <0.0025 |
| 8/10/2017 | | | 0.0017 (J) | 0.00034 (J) |
| 3/29/2018 | | | 0.0018 (J) | <0.0025 |
| 6/14/2018 | | | 0.0015 (J) | <0.0025 |
| 10/4/2018 | | | 0.0019 (J) | 0.00036 (J) |
| 2/27/2019 | | | 0.0021 (J) | |
| 2/28/2019 | | | | 0.00031 (J) |
| 4/3/2019 | | | 0.0019 (J) | <0.0025 |
| 9/19/2019 | | | 0.0019 | 0.00041 (J) |
| 2/5/2020 | | | | 0.0004 (J) |
| 2/7/2020 | | | 0.0023 | |
| 3/19/2020 | | | 0.0028 | 0.00056 (J) |
| 9/22/2020 | | | 0.0025 | |
| 9/23/2020 | | | | 0.00034 (J) |
| 2/3/2021 | | | 0.0025 | |
| 2/4/2021 | | | | 0.00039 (J) |
| 3/11/2021 | | | 0.0022 (J) | |
| 3/12/2021 | | | | 0.00034 (J) |
| 8/26/2021 | 0.014 | 0.00028 (J) | 0.002 (J) | 0.00038 (J) |
| 1/11/2022 | 0.014 | 0.0002 (J) | | |
| 3/3/2022 | 0.01 | | 0.0027 | 0.00036 (J) |
| 3/4/2022 | | <0.0025 | | |
| 6/6/2022 | 0.0062 | | | |
| 6/7/2022 | | 0.0003 (J) | | |
| 8/16/2022 | | | 0.0018 (J) | |
| 8/17/2022 | | 0.00022 (J) | | 0.00033 (J) |
| 8/18/2022 | 0.0044 | | | |
| 2/15/2023 | 0.0099 | 0.00026 (J) | | 0.00044 (J) |
| 2/16/2023 | | | 0.0025 | |
| Mean | 0.00975 | 0.0006267 | 0.001907 | 0.001212 |
| Std. Dev. | 0.003935 | 0.0009185 | 0.000497 | 0.001057 |
| Upper Lim. | 0.01516 | 0.0025 | 0.002166 | 0.0025 |
| Lower Lim. | 0.004344 | 0.0002 | 0.001647 | 0.00036 |

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-16 | WGWC-20 | WGWC-22 | WGWC-24 | WGWC-25 |
|------------|-------------|--------------|-------------|-------------|-------------|-------------|
| 5/18/2016 | <0.0025 | 0.000362 (J) | | | | |
| 7/19/2016 | | <0.0025 | | | | |
| 7/20/2016 | <0.0025 | | | | | |
| 9/14/2016 | <0.0025 | 0.00037 (J) | | | | |
| 11/10/2016 | | <0.0025 | | | | |
| 11/11/2016 | <0.0025 | | | | | |
| 1/24/2017 | | 0.00055 (J) | | | | |
| 2/6/2017 | <0.0025 | | | | | |
| 3/15/2017 | <0.0025 | 0.00067 (J) | | | | |
| 4/25/2017 | | 0.00058 (J) | | | | |
| 4/26/2017 | <0.0025 | | | | | |
| 8/9/2017 | | 0.00054 (J) | | | | |
| 8/10/2017 | <0.0025 | | | | | |
| 3/29/2018 | | 0.00082 (J) | | | | |
| 3/30/2018 | <0.0025 | | | | | |
| 6/14/2018 | <0.0025 | 0.0007 (J) | | | | |
| 10/4/2018 | <0.0025 | 0.00065 (J) | | | | |
| 2/27/2019 | <0.0025 | 0.00055 (J) | | | | |
| 4/4/2019 | <0.0025 | 0.00047 (J) | | | | |
| 9/18/2019 | | 0.00017 (J) | | | | |
| 9/19/2019 | 0.00021 (J) | | | | | |
| 2/5/2020 | <0.0025 | | | | | |
| 2/7/2020 | | <0.0025 | | | | |
| 3/18/2020 | <0.0025 | 0.00022 (J) | | | | |
| 9/23/2020 | <0.0025 | <0.0025 | | | | |
| 2/4/2021 | <0.0025 | <0.0025 | | | | |
| 8/26/2021 | | | <0.0025 | <0.0025 | 0.00061 (J) | <0.0025 |
| 1/11/2022 | | | | <0.0025 | 0.0004 (J) | <0.0025 |
| 1/12/2022 | | | 0.00026 (J) | | | |
| 3/3/2022 | <0.0025 | <0.0025 | | | 0.0003 (J) | |
| 3/4/2022 | | | <0.0025 | 0.00025 (J) | | <0.0025 |
| 6/6/2022 | | | | | 0.0003 (J) | |
| 6/7/2022 | | | <0.0025 | <0.0025 | | <0.0025 |
| 8/17/2022 | | <0.0025 | | | | 0.00012 (J) |
| 8/18/2022 | | | <0.0025 | | 0.00015 (J) | |
| 8/19/2022 | <0.0025 | | | 9E-05 (J) | | |
| 2/15/2023 | | 8.5E-05 (J) | | 0.00028 (J) | 0.00057 (J) | 0.0001 (J) |
| 2/16/2023 | <0.0025 | | 0.00057 (J) | | | |
| Mean | 0.002391 | 0.001154 | 0.001805 | 0.001353 | 0.0003883 | 0.001703 |
| Std. Dev. | 0.0004997 | 0.0009904 | 0.001081 | 0.001258 | 0.0001759 | 0.001234 |
| Upper Lim. | 0.0025 | 0.0005633 | 0.0025 | 0.0025 | 0.00063 | 0.0025 |
| Lower Lim. | 0.00021 | 0.0002785 | 0.00026 | 9E-05 | 0.0001467 | 0.0001 |

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-8 |
|------------|-------------|
| 5/19/2016 | <0.0025 |
| 7/20/2016 | <0.0025 |
| 9/15/2016 | <0.0025 |
| 11/14/2016 | <0.0025 |
| 2/6/2017 | <0.0025 |
| 3/15/2017 | <0.0025 |
| 4/26/2017 | <0.0025 |
| 8/10/2017 | <0.0025 |
| 3/29/2018 | <0.0025 |
| 6/14/2018 | <0.0025 |
| 10/4/2018 | <0.0025 |
| 2/27/2019 | <0.0025 |
| 4/3/2019 | <0.0025 |
| 9/19/2019 | <0.0025 |
| 2/7/2020 | <0.0025 |
| 3/19/2020 | <0.0025 |
| 9/22/2020 | <0.0025 |
| 2/3/2021 | <0.0025 |
| 3/3/2022 | <0.0025 |
| 8/16/2022 | <0.0025 |
| 2/16/2023 | 0.00065 (J) |
| Mean | 0.002412 |
| Std. Dev. | 0.0004037 |
| Upper Lim. | 0.0025 |
| Lower Lim. | 0.00065 |

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-13 | WGWC-14A | WGWC-15 | WGWC-21 |
|------------|------------|------------|------------|------------|------------|---------|
| 5/18/2016 | <0.002 | | | | <0.002 | |
| 5/19/2016 | | <0.002 | <0.002 | | | |
| 7/19/2016 | | | | | <0.002 | |
| 7/20/2016 | 0.0012 (J) | <0.002 | <0.002 | | | |
| 9/14/2016 | <0.002 | <0.002 | <0.002 | | <0.002 | |
| 11/10/2016 | | | <0.002 | | <0.002 | |
| 11/11/2016 | 0.0015 (J) | <0.002 | | | | |
| 1/24/2017 | | | | | <0.002 | |
| 1/27/2017 | | <0.002 | <0.002 | | | |
| 2/6/2017 | 0.0011 (J) | | | | | |
| 2/8/2017 | | | | <0.002 | | |
| 2/23/2017 | | | | <0.002 | | |
| 3/14/2017 | | | | | <0.002 | |
| 3/15/2017 | 0.0015 (J) | <0.002 | <0.002 | | | |
| 3/17/2017 | | | | <0.002 | | |
| 4/11/2017 | | | | <0.002 | | |
| 4/25/2017 | | | | | <0.002 | |
| 4/26/2017 | 0.0013 (J) | 0.0011 (J) | <0.002 | <0.002 | | |
| 5/17/2017 | | | | <0.002 | | |
| 6/7/2017 | | | | <0.002 | | |
| 7/11/2017 | | | | <0.002 | | |
| 8/9/2017 | | | <0.002 | | <0.002 | |
| 8/10/2017 | 0.0016 (J) | <0.002 | | | | |
| 3/29/2018 | | 0.0012 (J) | <0.002 | <0.002 | | |
| 3/30/2018 | 0.0027 | | | | <0.002 | |
| 6/14/2018 | 0.0023 (J) | <0.002 | <0.002 | <0.002 | <0.002 | |
| 10/3/2018 | | | | | <0.002 | |
| 10/4/2018 | 0.0031 | <0.002 | <0.002 | <0.002 | | |
| 2/27/2019 | 0.0031 | 0.0021 (J) | 0.0018 (J) | <0.002 | 0.0015 (J) | |
| 4/3/2019 | | <0.002 | <0.002 | <0.002 | | |
| 4/4/2019 | 0.0021 (J) | | | | <0.002 | |
| 9/18/2019 | | | <0.002 | <0.002 | <0.002 | |
| 9/19/2019 | 0.0022 | <0.002 | | | | |
| 2/5/2020 | 0.0022 | <0.002 | <0.002 | 0.0017 (J) | | |
| 2/7/2020 | | | | | <0.002 | |
| 3/18/2020 | <0.002 | <0.002 | | | <0.002 | |
| 3/19/2020 | | | <0.002 | <0.002 | | |
| 9/23/2020 | 0.0018 (J) | | | | <0.002 | |
| 9/24/2020 | | <0.002 | <0.002 | <0.002 | | |
| 2/3/2021 | | <0.002 | | | | |
| 2/4/2021 | 0.0018 (J) | | <0.002 | <0.002 | <0.002 | |
| 3/11/2021 | 0.0023 | | 0.0019 (J) | <0.002 | | |
| 3/12/2021 | | 0.0017 (J) | | | <0.002 | |
| 8/25/2021 | | <0.002 | 0.0017 (J) | <0.002 | | |
| 8/26/2021 | 0.0024 | | | | <0.002 | <0.002 |
| 1/11/2022 | | | | | | <0.002 |
| 3/3/2022 | 0.0023 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 |
| 6/6/2022 | | | | | | <0.002 |
| 8/16/2022 | | <0.002 | | | | <0.002 |
| 8/17/2022 | | | | | <0.002 | |
| 8/18/2022 | | | <0.002 | | | |
| 8/19/2022 | 0.0024 | | | <0.002 | | |

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-13 | WGWC-14A | WGWC-15 | WGWC-21 |
|------------|------------|-----------|-----------|-----------|-----------|------------|
| 2/15/2023 | | | | | <0.002 | |
| 2/16/2023 | 0.0014 (J) | <0.002 | <0.002 | <0.002 | | 0.0015 (J) |
| Mean | 0.001883 | 0.001917 | 0.001974 | 0.001987 | 0.001978 | 0.001917 |
| Std. Dev. | 0.0006506 | 0.0002516 | 7.518E-05 | 6.255E-05 | 0.0001043 | 0.0002041 |
| Upper Lim. | 0.002223 | 0.0021 | 0.002 | 0.002 | 0.002 | 0.002 |
| Lower Lim. | 0.001542 | 0.0017 | 0.0019 | 0.0017 | 0.0015 | 0.0015 |

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-9 |
|------------|-----------|
| 5/19/2016 | <0.002 |
| 7/20/2016 | <0.002 |
| 9/14/2016 | <0.002 |
| 2/9/2017 | <0.002 |
| 3/15/2017 | <0.002 |
| 4/11/2017 | <0.002 |
| 4/26/2017 | <0.002 |
| 8/10/2017 | <0.002 |
| 3/29/2018 | <0.002 |
| 6/14/2018 | <0.002 |
| 10/4/2018 | <0.002 |
| 2/28/2019 | 0.0025 |
| 4/3/2019 | <0.002 |
| 9/19/2019 | <0.002 |
| 2/5/2020 | <0.002 |
| 3/19/2020 | <0.002 |
| 9/23/2020 | <0.002 |
| 2/4/2021 | <0.002 |
| 3/12/2021 | <0.002 |
| 8/26/2021 | <0.002 |
| 3/3/2022 | <0.002 |
| 8/17/2022 | <0.002 |
| 2/15/2023 | <0.002 |
| Mean | 0.002022 |
| Std. Dev. | 0.0001043 |
| Upper Lim. | 0.0025 |
| Lower Lim. | 0.002 |

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|-------------|-------------|-------------|------------|-------------|
| 5/18/2016 | 0.00201 (J) | | | | | <0.0025 |
| 5/19/2016 | | <0.0025 | <0.01 | <0.0025 | | |
| 7/19/2016 | | | | | | <0.0025 |
| 7/20/2016 | 0.00066 (J) | 0.0025 | 0.0013 (J) | <0.0025 | | |
| 9/14/2016 | 0.00095 (J) | <0.0025 | 0.00098 (J) | <0.0025 | | <0.0025 |
| 11/10/2016 | | | | <0.0025 | | <0.0025 |
| 11/11/2016 | 0.001 (J) | 0.00052 (J) | 0.0017 (J) | | | |
| 1/24/2017 | | | | | | <0.0025 |
| 1/27/2017 | | 0.00049 (J) | 0.0022 (J) | <0.0025 | | |
| 2/6/2017 | 0.00072 (J) | | | | | |
| 2/8/2017 | | | | | 0.0051 | |
| 2/23/2017 | | | | | 0.014 | |
| 3/14/2017 | | | | | | <0.0025 |
| 3/15/2017 | 0.00062 (J) | 0.00064 (J) | 0.0016 (J) | <0.0025 | | |
| 3/17/2017 | | | | | 0.013 | |
| 4/11/2017 | | | | | 0.016 | |
| 4/25/2017 | | | | | | <0.0025 |
| 4/26/2017 | 0.0014 (J) | 0.001 (J) | 0.00026 (J) | <0.0025 | 0.01 | |
| 5/17/2017 | | | | | 0.011 | |
| 6/7/2017 | | | | | 0.01 | |
| 7/11/2017 | | | | | 0.0085 | |
| 8/9/2017 | | | | 0.0004 (J) | | <0.0025 |
| 8/10/2017 | <0.0025 | 0.0011 (J) | 0.00049 (J) | | | |
| 3/29/2018 | | <0.0025 | 0.0008 (J) | 0.0008 (J) | 0.015 | |
| 3/30/2018 | 0.0035 | | | | | <0.0025 |
| 6/14/2018 | 0.0012 (J) | <0.0025 | 0.00067 (J) | 0.00054 (J) | 0.011 | <0.0025 |
| 10/3/2018 | | | | | | <0.0025 |
| 10/4/2018 | 0.00086 (J) | <0.0025 | 0.00079 (J) | <0.0025 | 0.0055 | |
| 2/27/2019 | 0.0005 (J) | 0.0022 (J) | 0.0006 (J) | 0.00013 (J) | 0.0049 | <0.0025 |
| 4/3/2019 | | 0.00081 (J) | 0.00043 (J) | <0.0025 | 0.0056 | |
| 4/4/2019 | 0.0017 (J) | | | | | <0.0025 |
| 9/18/2019 | | | | <0.0025 | 0.005 | <0.0025 |
| 9/19/2019 | 0.0023 | <0.0025 | 0.00028 (J) | | | |
| 2/5/2020 | 0.0013 | 0.00026 (J) | 0.00058 | <0.0025 | 0.0044 | |
| 2/7/2020 | | | | | | <0.0025 |
| 3/18/2020 | 0.0012 (J) | 0.00069 (J) | 0.00071 (J) | | | <0.0025 |
| 3/19/2020 | | | | <0.0025 | 0.0039 | |
| 9/23/2020 | 0.00062 (J) | | 0.00039 (J) | | | <0.0025 |
| 9/24/2020 | | <0.0025 | | 0.00032 (J) | 0.0035 | |
| 2/3/2021 | | 0.00072 (J) | 0.00017 (J) | | | |
| 2/4/2021 | 0.00059 (J) | | | <0.0025 | 0.0041 | 0.00015 (J) |
| 3/11/2021 | 0.00058 (J) | | | <0.0025 | 0.0037 | |
| 3/12/2021 | | 0.0022 (J) | 0.00042 (J) | | | <0.0025 |
| 8/25/2021 | | 0.00045 (J) | 0.0005 (J) | <0.0025 | 0.0029 | |
| 8/26/2021 | 0.00044 (J) | | | | | <0.0025 |
| 3/3/2022 | 0.00045 (J) | 0.00026 (J) | | <0.0025 | 0.0024 (J) | <0.0025 |
| 3/4/2022 | | | 0.00056 (J) | | | |
| 8/16/2022 | | <0.0025 | | | | |
| 8/17/2022 | | | | | | <0.0025 |
| 8/18/2022 | | | 0.00034 (J) | <0.0025 | | |
| 8/19/2022 | 0.0014 (J) | | | | 0.002 (J) | |
| 2/15/2023 | | | | | | <0.0025 |

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-----------|-----------|------------|-----------|------------|----------|
| 2/16/2023 | <0.0025 | <0.0025 | 0.0004 (J) | <0.0025 | 0.0022 (J) | |
| Mean | 0.001152 | 0.00158 | 0.0009204 | 0.002052 | 0.007117 | 0.002398 |
| Std. Dev. | 0.000715 | 0.0009506 | 0.001025 | 0.0008762 | 0.004432 | 0.00049 |
| Upper Lim. | 0.001414 | 0.0025 | 0.000982 | 0.0025 | 0.009435 | 0.0025 |
| Lower Lim. | 0.0007674 | 0.00064 | 0.0004403 | 0.0008 | 0.004799 | 0.00015 |

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 5/18/2016 | 0.0069 | 0.00245 (J) | | | | |
| 7/19/2016 | 0.012 | | | | | |
| 7/20/2016 | | 0.0018 (J) | | | | |
| 9/14/2016 | 0.013 | 0.0014 (J) | | | | |
| 11/10/2016 | 0.016 | 0.0016 (J) | | | | |
| 11/11/2016 | | | <0.0025 | | | |
| 1/20/2017 | | 0.0014 (J) | | | | |
| 1/24/2017 | 0.015 | | | | | |
| 2/6/2017 | | | 0.00058 (J) | | | |
| 3/14/2017 | | 0.0023 (J) | | | | |
| 3/15/2017 | 0.014 | | 0.00045 (J) | | | |
| 4/11/2017 | | | <0.0025 | | | |
| 4/25/2017 | 0.014 | 0.0023 (J) | | | | |
| 4/26/2017 | | | <0.0025 | | | |
| 6/7/2017 | | | <0.0025 | | | |
| 7/11/2017 | | | <0.0025 | | | |
| 8/9/2017 | 0.016 | 0.0011 (J) | | | | |
| 8/10/2017 | | | 0.00049 (J) | | | |
| 3/29/2018 | 0.0092 | | <0.0025 | | | |
| 3/30/2018 | | 0.0016 (J) | | | | |
| 6/14/2018 | 0.0035 | 0.00055 (J) | <0.0025 | | | |
| 10/4/2018 | 0.0078 | 0.00041 (J) | <0.0025 | | | |
| 2/26/2019 | | 0.00086 (J) | | | | |
| 2/27/2019 | 0.00084 (J) | | | | | |
| 2/28/2019 | | | 0.00019 (J) | | | |
| 4/2/2019 | | | <0.0025 | | | |
| 4/4/2019 | 0.00077 (J) | <0.0025 | | | | |
| 9/18/2019 | 0.00011 (J) | 0.00018 (J) | 0.00045 (J) | | | |
| 2/7/2020 | 0.00016 (J) | 0.00077 | 0.00024 (J) | | | |
| 3/18/2020 | 0.00016 (J) | 0.00052 (J) | | | | |
| 5/4/2020 | | | 0.00018 (J) | | | |
| 9/23/2020 | <0.0025 | 0.0009 (J) | 0.00024 (J) | | | |
| 2/3/2021 | | | 0.00025 (J) | | | |
| 2/4/2021 | 0.00026 (J) | 0.00042 (J) | | | | |
| 3/11/2021 | 0.00013 (J) | 0.00035 (J) | 0.00022 (J) | | | |
| 8/25/2021 | <0.0025 | 0.00042 (J) | | | | |
| 8/26/2021 | | | 0.00022 (J) | 0.00046 (J) | 0.00042 (J) | 0.00038 (J) |
| 1/11/2022 | | | | | 0.00032 (J) | 0.00025 (J) |
| 1/12/2022 | | | | 0.00037 (J) | | |
| 3/3/2022 | <0.0025 | | 0.00034 (J) | | 0.00042 (J) | |
| 3/4/2022 | | 0.00026 (J) | | <0.0025 | | 0.00034 (J) |
| 6/6/2022 | | | | | 0.001 (J) | |
| 6/7/2022 | | | | <0.0025 | | <0.0025 |
| 8/16/2022 | | <0.0025 | | | 0.00039 (J) | |
| 8/17/2022 | <0.0025 | | <0.0025 | | | |
| 8/18/2022 | | | | <0.0025 | | |
| 8/19/2022 | | | | | | <0.0025 |
| 2/15/2023 | <0.0025 | | | | | <0.0025 |
| 2/16/2023 | | <0.0025 | 0.00053 (J) | <0.0025 | <0.0025 | |
| Mean | 0.006188 | 0.001102 | 0.001277 | 0.001805 | 0.0008417 | 0.001412 |
| Std. Dev. | 0.006027 | 0.0006843 | 0.001101 | 0.001077 | 0.0008493 | 0.001193 |
| Upper Lim. | 0.005748 | 0.00146 | 0.0025 | 0.0025 | 0.0025 | 0.0025 |

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 |
|------------|-----------|-----------|---------|---------|---------|---------|
| Lower Lim. | 0.0008712 | 0.0007439 | 0.00024 | 0.00037 | 0.00032 | 0.00025 |

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-23 | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 |
|------------|-------------|---------|----------|-------------|-------------|
| 5/19/2016 | | | | <0.0025 | <0.0025 |
| 7/20/2016 | | | | <0.0025 | |
| 9/14/2016 | | | | | <0.0025 |
| 9/15/2016 | | | | <0.0025 | |
| 11/14/2016 | | | | <0.0025 | |
| 2/6/2017 | | | | <0.0025 | |
| 2/9/2017 | | | | | 0.00073 (J) |
| 3/15/2017 | | | | <0.0025 | <0.0025 |
| 4/11/2017 | | | | | <0.0025 |
| 4/26/2017 | | | | <0.0025 | <0.0025 |
| 8/10/2017 | | | | <0.0025 | <0.0025 |
| 3/29/2018 | | | | 0.00066 (J) | <0.0025 |
| 6/14/2018 | | | | 0.0011 (J) | <0.0025 |
| 10/4/2018 | | | | <0.0025 | <0.0025 |
| 2/27/2019 | | | | 0.0019 (J) | |
| 2/28/2019 | | | | | <0.0025 |
| 4/3/2019 | | | | 0.0037 | <0.0025 |
| 9/19/2019 | | | | 0.0028 | <0.0025 |
| 2/5/2020 | | | | | <0.0025 |
| 2/7/2020 | | | | 0.0011 | |
| 3/19/2020 | | | | 0.00092 (J) | <0.0025 |
| 9/22/2020 | | | | 0.00065 (J) | |
| 9/23/2020 | | | | | <0.0025 |
| 2/3/2021 | | | | 0.00014 (J) | |
| 2/4/2021 | | | | | <0.0025 |
| 3/11/2021 | | | | 0.00043 (J) | |
| 3/12/2021 | | | | | <0.0025 |
| 8/26/2021 | 0.00017 (J) | 0.13 | 0.005 | 0.0005 (J) | <0.0025 |
| 1/11/2022 | 0.00016 (J) | 0.11 | 0.0048 | | |
| 3/3/2022 | | 0.086 | | 0.0003 (J) | <0.0025 |
| 3/4/2022 | <0.0025 | | 0.004 | | |
| 6/6/2022 | <0.0025 | 0.042 | | | |
| 6/7/2022 | | | 0.0043 | | |
| 8/16/2022 | | | | 0.00075 (J) | |
| 8/17/2022 | <0.0025 | | 0.0037 | | <0.0025 |
| 8/18/2022 | | 0.031 | | | |
| 2/15/2023 | <0.0025 | 0.084 | 0.0049 | | <0.0025 |
| 2/16/2023 | | | | <0.0025 | |
| Mean | 0.001722 | 0.0805 | 0.00445 | 0.001737 | 0.002423 |
| Std. Dev. | 0.001206 | 0.0382 | 0.000532 | 0.001033 | 0.0003691 |
| Upper Lim. | 0.0025 | 0.133 | 0.005181 | 0.0025 | 0.0025 |
| Lower Lim. | 0.00016 | 0.02803 | 0.003719 | 0.00066 | 0.00073 |

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|------------|------------|-------------|-----------|-----------|------------|
| 5/18/2016 | 0.182 (U) | | | | | 0.569 |
| 5/19/2016 | | 0.431 (U) | 0.0698 (U) | 0.219 (U) | | |
| 7/19/2016 | | | | | | 0.29 (U) |
| 7/20/2016 | -0.135 (U) | -0.263 (U) | -0.0646 (U) | 0.404 (U) | | |
| 9/14/2016 | 0.311 (U) | 0.13 (U) | 0.199 (U) | 0.692 | | 0.412 (U) |
| 11/10/2016 | | | | 1 | | 0.709 |
| 11/11/2016 | 0.542 | 0.0257 (U) | 0.467 | | | |
| 1/24/2017 | | | | | | 0.779 |
| 1/27/2017 | | 0.898 | 0.836 | 0.668 | | |
| 2/6/2017 | 0.104 (U) | | | | | |
| 2/8/2017 | | | | | 0.958 | |
| 2/23/2017 | | | | | 0.771 | |
| 3/14/2017 | | | | | | 0.247 (U) |
| 3/15/2017 | 0.523 | 0.121 (U) | 0.254 (U) | 0.847 | | |
| 3/17/2017 | | | | | 1.7 | |
| 4/11/2017 | | | | | 0.901 | |
| 4/25/2017 | | | | | | 0.515 |
| 4/26/2017 | 0.069 (U) | 0.0309 (U) | 0.267 (U) | 0.408 (U) | 0.434 | |
| 5/17/2017 | | | | | 0.632 | |
| 6/7/2017 | | | | | 1.06 | |
| 7/11/2017 | | | | | 0.716 | |
| 8/9/2017 | | | | 0.816 | | 1.7 |
| 8/10/2017 | 0.189 (U) | 0.326 (U) | 0.912 | | | |
| 3/29/2018 | | 0.461 | 0.419 | 0.51 | 0.58 | |
| 3/30/2018 | 0.575 | | | | | 0.0985 (U) |
| 6/14/2018 | 0.523 | 0.275 (U) | -0.263 (U) | 0.463 | 0.55 | 0.171 (U) |
| 10/3/2018 | | | | | | 0.766 |
| 10/4/2018 | 0.84 | 1.18 | 1.29 | 0.99 | 0.563 | |
| 2/27/2019 | 0.236 (U) | 0.374 | 0.415 | 1.08 | 0.538 | 0.363 (U) |
| 4/3/2019 | | 0.187 (U) | 0.264 (U) | 0.446 | 0.497 | |
| 4/4/2019 | 0.233 (U) | | | | | 0.418 |
| 9/18/2019 | | | | 0.392 | 0.376 (U) | 0.484 |
| 9/19/2019 | 0.124 (U) | 0.338 (U) | 0.329 (U) | | | |
| 2/5/2020 | 0.0961 (U) | 0.163 (U) | 0.225 (U) | 0.609 | 0.5 | |
| 2/7/2020 | | | | | | 0.125 (U) |
| 3/18/2020 | 0.461 (U) | 0.866 | -0.0262 (U) | | | 0.303 (U) |
| 3/19/2020 | | | | 0.47 | 0.376 (U) | |
| 9/23/2020 | 0.442 (U) | | 0.785 | | | 0.448 (U) |
| 9/24/2020 | | 1.2 | | 1.02 | 0.796 | |
| 2/3/2021 | | 0.718 | 0.322 (U) | | | |
| 2/4/2021 | 0.0332 (U) | | | 0.139 (U) | 0.564 | 0.488 (U) |
| 3/11/2021 | 0.42 (U) | | | 0.473 | 0.764 | |
| 3/12/2021 | | 0.0729 (U) | 0.633 | | | 0.591 |
| 8/25/2021 | | 0.401 | 0.443 (U) | 0.913 | 0.705 | |
| 8/26/2021 | 0.321 (U) | | | | | 0.678 |
| 3/3/2022 | 0.587 | 0.622 | | 0.621 | 0.956 | 0.358 (U) |
| 3/4/2022 | | | 0.408 | | | |
| 8/16/2022 | | 0.5 | | | | |
| 8/17/2022 | | | | | | 0.563 |
| 8/18/2022 | | | 0.279 (U) | 0.719 | | |
| 8/19/2022 | 0.497 (U) | | | | 0.932 | |
| 2/15/2023 | | | | | | 0.0878 (U) |

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-----------|-----------|-----------|---------|-----------|---------|
| 2/16/2023 | 0.326 (U) | 0.417 (U) | 0.388 (U) | 0.2 (U) | 0.455 (U) | |
| Mean | 0.3261 | 0.4119 | 0.3848 | 0.613 | 0.7097 | 0.4854 |
| Std. Dev. | 0.2288 | 0.3678 | 0.3404 | 0.2754 | 0.2938 | 0.3344 |
| Upper Lim. | 0.4457 | 0.6043 | 0.5629 | 0.757 | 0.8308 | 0.6051 |
| Lower Lim. | 0.2064 | 0.2196 | 0.2068 | 0.469 | 0.5537 | 0.2991 |

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 |
|------------|-----------|-------------|------------|---------|---------|---------|
| 5/18/2016 | 1.03 | 0.116 (U) | | | | |
| 7/19/2016 | 2.39 | | | | | |
| 7/20/2016 | | 0.247 (U) | | | | |
| 9/14/2016 | 3.05 | 0.594 | | | | |
| 11/10/2016 | 2.87 | 0.431 | | | | |
| 11/11/2016 | | | -0.11 (U) | | | |
| 1/20/2017 | | 1.35 | | | | |
| 1/24/2017 | 2.68 | | | | | |
| 2/6/2017 | | | 0.471 | | | |
| 3/14/2017 | | -0.107 (U) | | | | |
| 3/15/2017 | 1.64 | | 0.255 (U) | | | |
| 4/11/2017 | | | 0.19 (U) | | | |
| 4/25/2017 | 0.878 | 0.228 (U) | | | | |
| 4/26/2017 | | | 0.22 (U) | | | |
| 6/7/2017 | | | 0.126 (U) | | | |
| 7/11/2017 | | | 0.511 | | | |
| 8/9/2017 | 2.5 | -0.0246 (U) | | | | |
| 8/10/2017 | | | 0.882 | | | |
| 3/29/2018 | 1.6 | | 0.252 (U) | | | |
| 3/30/2018 | | 0.135 (U) | | | | |
| 6/14/2018 | 1.09 | -0.373 (U) | 0.0458 (U) | | | |
| 10/4/2018 | 1.99 | 0.775 | 0.381 | | | |
| 2/26/2019 | | 0.431 | | | | |
| 2/27/2019 | 0.721 | | | | | |
| 2/28/2019 | | | 0.254 (U) | | | |
| 4/2/2019 | | | 0.209 (U) | | | |
| 4/4/2019 | 0.632 | 0.386 | | | | |
| 9/18/2019 | 0.278 (U) | 0.167 (U) | 0.403 (U) | | | |
| 2/7/2020 | 0.797 | 0.244 (U) | 0.2 (U) | | | |
| 3/18/2020 | 0.437 | 0.0655 (U) | | | | |
| 5/4/2020 | | | 0.0697 (U) | | | |
| 9/23/2020 | 0.276 (U) | 0.643 | 1.18 | | | |
| 2/3/2021 | | | 0.684 | | | |
| 2/4/2021 | 0.727 | 0.438 (U) | | | | |
| 3/11/2021 | 0.942 | 0.247 (U) | 0.286 (U) | | | |
| 8/25/2021 | 0.518 | 0.565 | | | | |
| 8/26/2021 | | | 0.796 | 1.6 | 1.17 | 3.54 |
| 1/11/2022 | | | | | 0.919 | 6.91 |
| 1/12/2022 | | | | 1.09 | | |
| 3/3/2022 | 0.573 | | 0.909 | | 1.31 | |
| 3/4/2022 | | 0.573 | | 0.925 | | 7.57 |
| 6/6/2022 | | | | | 2.61 | |
| 6/7/2022 | | | | 0.67 | | 4.67 |
| 8/16/2022 | | 0.668 | | | 1.35 | |
| 8/17/2022 | 0.946 | | 0.155 (U) | | | |
| 8/18/2022 | | | | 0.994 | | |
| 8/19/2022 | | | | | | 3.07 |
| 2/15/2023 | 0.734 | | | | | 5.98 |
| 2/16/2023 | | 0.121 (U) | 0.248 (U) | 0.853 | 0.617 | |
| Mean | 1.274 | 0.3443 | 0.3747 | 1.022 | 1.329 | 5.29 |
| Std. Dev. | 0.8774 | 0.3524 | 0.3179 | 0.3167 | 0.6844 | 1.826 |
| Upper Lim. | 1.597 | 0.5286 | 0.5409 | 1.457 | 2.27 | 7.799 |

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 |
|------------|---------|---------|---------|---------|---------|---------|
| Lower Lim. | 0.7565 | 0.16 | 0.2084 | 0.587 | 0.3891 | 2.781 |

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-23 | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 |
|------------|-----------|---------|---------|-----------|------------|
| 5/19/2016 | | | | 0.711 (U) | 0.209 (U) |
| 7/20/2016 | | | | 1.14 | -0.084 (U) |
| 9/14/2016 | | | | | 0.42 (U) |
| 9/15/2016 | | | | 1.26 | |
| 11/14/2016 | | | | 0.749 | |
| 2/6/2017 | | | | 1.05 | |
| 2/9/2017 | | | | | 0.393 |
| 3/15/2017 | | | | 1.32 | 0.271 (U) |
| 4/11/2017 | | | | | 0.488 (U) |
| 4/26/2017 | | | | 1.07 | 0.14 (U) |
| 8/10/2017 | | | | 1.88 | 0.379 |
| 3/29/2018 | | | | 2.31 | 0.278 (U) |
| 6/14/2018 | | | | 1.86 | 0.157 (U) |
| 10/4/2018 | | | | 2.44 | 0.48 |
| 2/27/2019 | | | | 2.42 | |
| 2/28/2019 | | | | | 0.271 (U) |
| 4/3/2019 | | | | 1.55 | 0.0621 (U) |
| 9/19/2019 | | | | 2.06 | 0.537 |
| 2/5/2020 | | | | | -0.137 (U) |
| 2/7/2020 | | | | 1.66 | |
| 3/19/2020 | | | | 1.21 | 0.23 (U) |
| 9/22/2020 | | | | 1.75 | |
| 9/23/2020 | | | | | 0.0587 (U) |
| 2/3/2021 | | | | 2 | |
| 2/4/2021 | | | | | 0.353 (U) |
| 3/11/2021 | | | | 2.38 | |
| 3/12/2021 | | | | | 0.831 |
| 8/26/2021 | 0.703 | 1.63 | 1.12 | 2.87 | 0.681 |
| 1/11/2022 | 0.218 (U) | 0.749 | 0.606 | | |
| 3/3/2022 | | 0.893 | | 3.18 | 0.431 (U) |
| 3/4/2022 | 0.437 (U) | | 0.818 | | |
| 6/6/2022 | 1.45 | 0.845 | | | |
| 6/7/2022 | | | 0.5 | | |
| 8/16/2022 | | | | 2.4 | |
| 8/17/2022 | 0.976 | | 0.763 | | 0.139 (U) |
| 8/18/2022 | | 1.03 | | | |
| 2/15/2023 | 0.985 | 0.974 | 0.873 | | 0.0109 (U) |
| 2/16/2023 | | | | 3.04 | |
| Mean | 0.7948 | 1.02 | 0.78 | 1.84 | 0.2869 |
| Std. Dev. | 0.4399 | 0.3145 | 0.2166 | 0.7134 | 0.2355 |
| Upper Lim. | 1.399 | 1.44 | 1.078 | 2.213 | 0.4101 |
| Lower Lim. | 0.1906 | 0.6443 | 0.4824 | 1.466 | 0.1637 |

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-----------|-----------|-----------|---------|-----------|---------|
| 5/18/2016 | 0.206 | | | | | 0.779 |
| 5/19/2016 | | 0.039 (J) | 0.12 (J) | 0.384 | | |
| 7/19/2016 | | | | | | 0.97 |
| 7/20/2016 | 0.23 | <0.1 | 0.11 (J) | 0.34 | | |
| 9/14/2016 | 0.17 (J) | <0.1 | 0.095 (J) | 0.31 | | 0.89 |
| 11/10/2016 | | | | 0.26 | | 0.88 |
| 11/11/2016 | 0.14 (J) | <0.1 | <0.2 | | | |
| 1/24/2017 | | | | | | 0.92 |
| 1/27/2017 | | <0.1 | <0.2 | 0.28 | | |
| 2/6/2017 | 0.15 (J) | | | | | |
| 2/8/2017 | | | | | <0.1 | |
| 2/23/2017 | | | | | <0.1 | |
| 3/14/2017 | | | | | | 0.77 |
| 3/15/2017 | 0.16 (J) | <0.1 | <0.2 | 0.3 | | |
| 3/17/2017 | | | | | <0.1 | |
| 4/11/2017 | | | | | <0.1 | |
| 4/25/2017 | | | | | | 0.95 |
| 4/26/2017 | 0.17 (J) | <0.1 | <0.2 | 0.33 | <0.1 | |
| 5/17/2017 | | | | | <0.1 | |
| 6/7/2017 | | | | | <0.1 | |
| 7/11/2017 | | | | | <0.1 | |
| 8/9/2017 | | | | 0.32 | | 0.91 |
| 8/10/2017 | 0.2 | <0.1 | 0.11 (J) | | | |
| 10/11/2017 | | | | | <0.1 | 0.88 |
| 10/12/2017 | 0.14 (J) | <0.1 | 0.091 (J) | 0.28 | | |
| 3/29/2018 | | <0.1 | 0.089 (J) | 0.27 | <0.1 | |
| 3/30/2018 | 0.13 (J) | | | | | 0.79 |
| 6/14/2018 | 0.15 (J) | <0.1 | 0.1 (J) | 0.27 | <0.1 | 0.79 |
| 10/3/2018 | | | | | | 0.79 |
| 10/4/2018 | 0.18 (J) | <0.1 | 0.12 (J) | 0.23 | <0.1 | |
| 2/27/2019 | 0.21 | 0.047 (J) | 0.06 (J) | 0.25 | <0.1 | 0.81 |
| 4/3/2019 | | 0.048 (J) | 0.084 (J) | 0.24 | 0.048 (J) | |
| 4/4/2019 | 0.13 (J) | | | | | 0.78 |
| 9/18/2019 | | | | 0.22 | 0.035 (J) | 0.81 |
| 9/19/2019 | 0.13 (J) | 0.037 (J) | 0.093 (J) | | | |
| 2/5/2020 | 0.14 | 0.045 (J) | 0.098 (J) | 0.2 | 0.04 (J) | |
| 2/7/2020 | | | | | | 0.79 |
| 3/18/2020 | 0.052 (J) | <0.1 | 0.033 (J) | | | 0.71 |
| 3/19/2020 | | | | 0.15 | <0.1 | |
| 9/23/2020 | 0.09 (J) | | 0.064 (J) | | | 0.63 |
| 9/24/2020 | | 0.18 | | <0.1 | 0.028 (J) | |
| 2/3/2021 | | 0.027 (J) | 0.082 (J) | | | |
| 2/4/2021 | 0.12 | | | 0.16 | 0.033 (J) | 0.69 |
| 3/11/2021 | 0.15 | | | 0.18 | 0.04 (J) | |
| 3/12/2021 | | 0.044 (J) | 0.096 (J) | | | 0.88 |
| 8/25/2021 | | 0.056 (J) | 0.14 | 0.2 | 0.071 (J) | |
| 8/26/2021 | 0.16 | | | | | 0.77 |
| 3/3/2022 | 0.067 (J) | 0.055 (J) | | 0.21 | 0.057 (J) | 0.88 |
| 3/4/2022 | | | 0.068 (J) | | | |
| 8/16/2022 | | <0.1 | | | | |
| 8/17/2022 | | | | | | 0.68 |
| 8/18/2022 | | | 0.073 (J) | 0.14 | | |

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|---------|-----------|-----------|---------|----------|---------|
| 8/19/2022 | 0.1 | | | | <0.1 | |
| 2/15/2023 | | | | | | 0.73 |
| 2/16/2023 | 0.11 | 0.041 (J) | 0.089 (J) | 0.15 | <0.1 | |
| Mean | 0.1452 | 0.07996 | 0.109 | 0.2385 | 0.08133 | 0.8116 |
| Std. Dev. | 0.04353 | 0.03544 | 0.047 | 0.07692 | 0.02808 | 0.08846 |
| Upper Lim. | 0.1674 | 0.1 | 0.09739 | 0.2778 | 0.1 | 0.8568 |
| Lower Lim. | 0.123 | 0.045 | 0.07226 | 0.1992 | 0.048 | 0.7665 |

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 |
|------------|-----------|-----------|---------|---------|---------|---------|
| 5/18/2016 | 0.1 (J) | 0.121 (J) | | | | |
| 7/19/2016 | 0.14 (J) | | | | | |
| 7/20/2016 | | 0.16 (J) | | | | |
| 9/14/2016 | 0.18 (J) | 0.19 (J) | | | | |
| 11/10/2016 | 0.11 (J) | 0.15 (J) | | | | |
| 11/11/2016 | | | 0.32 | | | |
| 1/20/2017 | | 0.18 (J) | | | | |
| 1/24/2017 | 0.15 (J) | | | | | |
| 2/6/2017 | | | 0.45 | | | |
| 3/14/2017 | | 0.11 (J) | | | | |
| 3/15/2017 | 0.1 (J) | | 0.37 | | | |
| 4/11/2017 | | | 0.37 | | | |
| 4/25/2017 | 0.13 (J) | 0.13 (J) | | | | |
| 4/26/2017 | | | 0.4 | | | |
| 6/7/2017 | | | 0.35 | | | |
| 7/11/2017 | | | 0.39 | | | |
| 8/9/2017 | 0.18 (J) | 0.19 (J) | | | | |
| 8/10/2017 | | | 0.42 | | | |
| 10/11/2017 | <2 | 0.14 (J) | | | | |
| 10/12/2017 | | | 0.36 | | | |
| 3/29/2018 | 0.13 (J) | | 0.34 | | | |
| 3/30/2018 | | 0.095 (J) | | | | |
| 6/14/2018 | <2 | 0.11 (J) | 0.35 | | | |
| 10/4/2018 | 0.85 (J) | 0.11 (J) | 0.35 | | | |
| 2/26/2019 | | 0.068 (J) | | | | |
| 2/27/2019 | 0.47 | | | | | |
| 2/28/2019 | | | 0.28 | | | |
| 4/2/2019 | | | 0.33 | | | |
| 4/4/2019 | 0.08 (J) | 0.087 (J) | | | | |
| 9/18/2019 | 0.058 (J) | 0.066 (J) | 0.32 | | | |
| 2/7/2020 | 0.072 (J) | 0.079 (J) | 0.35 | | | |
| 3/18/2020 | 0.084 (J) | <0.1 | | | | |
| 5/4/2020 | | | 0.36 | | | |
| 9/23/2020 | 0.049 (J) | 0.05 (J) | 0.25 | | | |
| 2/3/2021 | | | 0.3 | | | |
| 2/4/2021 | 0.052 (J) | 0.064 (J) | | | | |
| 3/8/2021 | | | | 1.8 | | |
| 3/9/2021 | | | | | 1.7 | 1.1 |
| 3/11/2021 | 0.061 (J) | 0.05 (J) | 0.31 | | | |
| 4/7/2021 | | | | | 1.6 | |
| 4/8/2021 | | | | 1.7 | | 1.4 |
| 8/25/2021 | 0.099 (J) | 0.093 (J) | | | | |
| 8/26/2021 | | | 0.38 | 2 | 2 | 0.51 |
| 1/11/2022 | | | | | 1.9 | 0.45 |
| 1/12/2022 | | | | 1.8 | | |
| 3/3/2022 | 0.067 (J) | | 0.4 | | 1.8 | |
| 3/4/2022 | | 0.06 (J) | | 2 | | 0.42 |
| 6/6/2022 | | | | | 1.9 | |
| 6/7/2022 | | | | 2.5 | | 0.37 |
| 8/16/2022 | | 0.06 (J) | | | 1.8 | |
| 8/17/2022 | 0.062 (J) | | 0.28 | | | |
| 8/18/2022 | | | | 2 | | |

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 |
|------------|-----------|-----------|---------|---------|---------|---------|
| 8/19/2022 | | | | | | 0.31 |
| 2/15/2023 | 0.076 (J) | | | | | 0.31 |
| 2/16/2023 | | 0.069 (J) | 0.33 | 1.9 | 1.9 | |
| Mean | 0.2208 | 0.1034 | 0.3483 | 1.963 | 1.825 | 0.6088 |
| Std. Dev. | 0.2949 | 0.04544 | 0.04659 | 0.2446 | 0.1282 | 0.4094 |
| Upper Lim. | 0.15 | 0.1266 | 0.3721 | 2.212 | 1.961 | 1.4 |
| Lower Lim. | 0.067 | 0.08023 | 0.3246 | 1.717 | 1.689 | 0.31 |

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-23 | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 |
|------------|-----------|---------|-----------|-----------|--------|
| 5/19/2016 | | | | 0.304 | 1.58 |
| 7/20/2016 | | | | 0.27 | 2 |
| 9/14/2016 | | | | | 1.8 |
| 9/15/2016 | | | | 0.24 | |
| 11/14/2016 | | | | 0.2 | |
| 2/6/2017 | | | | 0.27 | |
| 2/9/2017 | | | | | 1.3 |
| 3/15/2017 | | | | 0.25 | 1.3 |
| 4/11/2017 | | | | | 1.4 |
| 4/26/2017 | | | | 0.31 | 1.5 |
| 8/10/2017 | | | | 0.37 | 1.6 |
| 10/12/2017 | | | | 0.35 | 1.5 |
| 3/29/2018 | | | | 0.36 | 1.4 |
| 6/14/2018 | | | | 0.56 | 1.4 |
| 10/4/2018 | | | | 0.27 | 1.4 |
| 2/27/2019 | | | | 0.054 (J) | |
| 2/28/2019 | | | | | 1.4 |
| 4/3/2019 | | | | 0.5 | 1.3 |
| 9/19/2019 | | | | 0.42 | 1.3 |
| 2/5/2020 | | | | | 1.3 |
| 2/7/2020 | | | | 0.25 | |
| 3/19/2020 | | | | 0.057 (J) | 1 |
| 9/22/2020 | | | | 0.14 | |
| 9/23/2020 | | | | | 0.82 |
| 2/3/2021 | | | | 0.15 | |
| 2/4/2021 | | | | | 0.91 |
| 3/8/2021 | | | <0.1 | | |
| 3/9/2021 | 0.092 (J) | 1 | | | |
| 3/11/2021 | | | | 0.16 | |
| 3/12/2021 | | | | | 0.98 |
| 4/7/2021 | 0.093 (J) | 1.1 | | | |
| 4/8/2021 | | | 0.028 (J) | | |
| 8/26/2021 | 0.081 (J) | 1.2 | 0.047 (J) | 0.21 | 1 |
| 1/11/2022 | 0.045 (J) | 1 | 0.028 (J) | | |
| 3/3/2022 | | 0.71 | | 0.19 | 1 |
| 3/4/2022 | 0.045 (J) | | 0.038 (J) | | |
| 6/6/2022 | 0.028 (J) | 0.43 | | | |
| 6/7/2022 | | | <0.1 | | |
| 8/16/2022 | | | | 0.21 | |
| 8/17/2022 | 0.043 (J) | | <0.1 | | 0.9 |
| 8/18/2022 | | 0.24 | | | |
| 2/15/2023 | 0.048 (J) | 0.63 | <0.1 | | 0.85 |
| 2/16/2023 | | | | 0.14 | |
| Mean | 0.05938 | 0.7888 | 0.06763 | 0.2598 | 1.289 |
| Std. Dev. | 0.02524 | 0.3415 | 0.03512 | 0.1245 | 0.306 |
| Upper Lim. | 0.0861 | 1.151 | 0.1 | 0.3233 | 1.445 |
| Lower Lim. | 0.03397 | 0.4268 | 0.028 | 0.1962 | 1.133 |

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|-------------|-------------|-------------|-------------|------------|
| 5/18/2016 | <0.001 | | | | | <0.001 |
| 5/19/2016 | | <0.001 | <0.001 | <0.001 | | |
| 7/19/2016 | | | | | | <0.001 |
| 7/20/2016 | <0.001 | <0.001 | <0.001 | <0.001 | | |
| 9/14/2016 | <0.001 | <0.001 | <0.001 | 0.00055 (J) | | <0.001 |
| 11/10/2016 | | | | 0.00047 (J) | | <0.001 |
| 11/11/2016 | <0.001 | <0.001 | <0.001 | | | |
| 1/24/2017 | | | | | | <0.001 |
| 1/27/2017 | | <0.001 | <0.001 | <0.001 | | |
| 2/6/2017 | <0.001 | | | | | |
| 2/8/2017 | | | | | <0.001 | |
| 2/23/2017 | | | | | <0.001 | |
| 3/14/2017 | | | | | | <0.001 |
| 3/15/2017 | <0.001 | <0.001 | <0.001 | <0.001 | | |
| 3/17/2017 | | | | | <0.001 | |
| 4/11/2017 | | | | | <0.001 | |
| 4/25/2017 | | | | | | <0.001 |
| 4/26/2017 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | |
| 5/17/2017 | | | | | <0.001 | |
| 6/7/2017 | | | | | <0.001 | |
| 7/11/2017 | | | | | <0.001 | |
| 8/9/2017 | | | | <0.001 | | <0.001 |
| 8/10/2017 | <0.001 | <0.001 | <0.001 | | | |
| 3/29/2018 | | <0.001 | <0.001 | <0.001 | <0.001 | |
| 3/30/2018 | <0.001 | | | | | <0.001 |
| 2/27/2019 | 0.00023 (J) | 0.00058 (J) | <0.001 | 0.00068 (J) | <0.001 | <0.001 |
| 4/3/2019 | | <0.001 | <0.001 | 0.00047 (J) | <0.001 | |
| 4/4/2019 | <0.001 | | | | | <0.001 |
| 9/18/2019 | | | | 0.00045 (J) | <0.001 | <0.001 |
| 9/19/2019 | 0.00041 (J) | <0.001 | <0.001 | | | |
| 2/5/2020 | 0.00016 (J) | <0.001 | <0.001 | 0.00045 (J) | <0.001 | |
| 2/7/2020 | | | | | | <0.001 |
| 3/18/2020 | 0.00021 (J) | <0.001 | <0.001 | | | <0.001 |
| 3/19/2020 | | | | 0.0006 (J) | 0.00017 (J) | |
| 9/23/2020 | 0.00013 (J) | | <0.001 | | | <0.001 |
| 9/24/2020 | | 0.00037 (J) | | <0.001 | 0.00018 (J) | |
| 2/3/2021 | | <0.001 | <0.001 | | | |
| 2/4/2021 | 0.00019 (J) | | | 0.00038 (J) | 0.00013 (J) | 0.0003 (J) |
| 3/11/2021 | 0.00032 (J) | | | 0.00075 (J) | 0.00031 (J) | |
| 3/12/2021 | | 0.00038 (J) | <0.001 | | | <0.001 |
| 8/25/2021 | | 0.00023 (J) | <0.001 | 0.00025 (J) | 0.00041 (J) | |
| 8/26/2021 | 0.00026 (J) | | | | | <0.001 |
| 3/3/2022 | 0.00025 (J) | <0.001 | | 0.00023 (J) | 0.00057 (J) | <0.001 |
| 3/4/2022 | | | 0.00033 (J) | | | |
| 8/16/2022 | | <0.001 | | | | |
| 8/17/2022 | | | | | | <0.001 |
| 8/18/2022 | | | <0.001 | 0.0011 | | |
| 8/19/2022 | 0.0003 (J) | | | | 0.00036 (J) | |
| 2/15/2023 | | | | | | <0.001 |
| 2/16/2023 | <0.001 | <0.001 | <0.001 | 0.00027 (J) | 0.00024 (J) | |
| Mean | 0.000641 | 0.0008838 | 0.0009681 | 0.0006976 | 0.0007319 | 0.0009667 |
| Std. Dev. | 0.0003898 | 0.0002517 | 0.0001462 | 0.0003047 | 0.0003609 | 0.0001528 |

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|---------|---------|---------|---------|----------|---------|
| Upper Lim. | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lower Lim. | 0.00023 | 0.00058 | 0.00033 | 0.00045 | 0.00031 | 0.0003 |

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-22 | WGWC-23 | WGWC-24 |
|------------|-------------|-------------|------------|-------------|---------|-------------|
| 5/18/2016 | <0.001 | <0.001 | | | | |
| 7/19/2016 | <0.001 | | | | | |
| 7/20/2016 | | <0.001 | | | | |
| 9/14/2016 | <0.001 | <0.001 | | | | |
| 11/10/2016 | <0.001 | <0.001 | | | | |
| 11/11/2016 | | | <0.001 | | | |
| 1/20/2017 | | <0.001 | | | | |
| 1/24/2017 | <0.001 | | | | | |
| 2/6/2017 | | | <0.001 | | | |
| 3/14/2017 | | <0.001 | | | | |
| 3/15/2017 | <0.001 | | <0.001 | | | |
| 4/11/2017 | | | <0.001 | | | |
| 4/25/2017 | <0.001 | <0.001 | | | | |
| 4/26/2017 | | | <0.001 | | | |
| 6/7/2017 | | | <0.001 | | | |
| 7/11/2017 | | | <0.001 | | | |
| 8/9/2017 | <0.001 | <0.001 | | | | |
| 8/10/2017 | | | <0.001 | | | |
| 3/29/2018 | <0.001 | | <0.001 | | | |
| 3/30/2018 | | <0.001 | | | | |
| 2/26/2019 | | 0.00033 (J) | | | | |
| 2/27/2019 | 0.00014 (J) | | | | | |
| 2/28/2019 | | | <0.001 | | | |
| 4/2/2019 | | | <0.001 | | | |
| 4/4/2019 | <0.001 | <0.001 | | | | |
| 9/18/2019 | <0.001 | <0.001 | <0.001 | | | |
| 2/7/2020 | <0.001 | <0.001 | <0.001 | | | |
| 3/18/2020 | <0.001 | 0.0002 (J) | | | | |
| 5/4/2020 | | | <0.001 | | | |
| 9/23/2020 | <0.001 | <0.001 | <0.001 | | | |
| 2/3/2021 | | | <0.001 | | | |
| 2/4/2021 | 0.00013 (J) | <0.001 | | | | |
| 3/11/2021 | <0.001 | <0.001 | <0.001 | | | |
| 8/25/2021 | <0.001 | <0.001 | | | | |
| 8/26/2021 | | | <0.001 | 0.00022 (J) | <0.001 | 0.0012 |
| 1/11/2022 | | | | 0.00023 (J) | <0.001 | 0.00082 (J) |
| 3/3/2022 | <0.001 | | 0.0003 (J) | | | 0.00076 (J) |
| 3/4/2022 | | <0.001 | | 0.00036 (J) | <0.001 | |
| 6/6/2022 | | | | | <0.001 | 0.00047 (J) |
| 6/7/2022 | | | | <0.001 | | |
| 8/16/2022 | | <0.001 | | | | |
| 8/17/2022 | <0.001 | | <0.001 | | <0.001 | |
| 8/18/2022 | | | | | | 0.00032 (J) |
| 8/19/2022 | | | | 0.00037 (J) | | |
| 2/15/2023 | <0.001 | | | 0.00023 (J) | 0.0046 | 0.00056 (J) |
| 2/16/2023 | | <0.001 | <0.001 | | | |
| Mean | 0.0009176 | 0.00093 | 0.0009667 | 0.0004017 | 0.0016 | 0.0006883 |
| Std. Dev. | 0.0002602 | 0.000222 | 0.0001528 | 0.0003009 | 0.00147 | 0.0003112 |
| Upper Lim. | 0.001 | 0.001 | 0.001 | 0.001 | 0.0046 | 0.001116 |
| Lower Lim. | 0.00014 | 0.00033 | 0.0003 | 0.00022 | 0.001 | 0.0002609 |

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-8 | WGWC-9 |
|------------|-------------|-------------|
| 5/19/2016 | <0.001 | <0.001 |
| 7/20/2016 | <0.001 | <0.001 |
| 9/14/2016 | | <0.001 |
| 9/15/2016 | <0.001 | |
| 11/14/2016 | <0.001 | |
| 2/6/2017 | <0.001 | |
| 2/9/2017 | | <0.001 |
| 3/15/2017 | <0.001 | <0.001 |
| 4/11/2017 | | <0.001 |
| 4/26/2017 | <0.001 | <0.001 |
| 8/10/2017 | <0.001 | <0.001 |
| 3/29/2018 | <0.001 | <0.001 |
| 2/27/2019 | 0.00017 (J) | |
| 2/28/2019 | | 0.00014 (J) |
| 4/3/2019 | <0.001 | <0.001 |
| 9/19/2019 | <0.001 | <0.001 |
| 2/5/2020 | | <0.001 |
| 2/7/2020 | <0.001 | |
| 3/19/2020 | 0.00016 (J) | <0.001 |
| 9/22/2020 | 0.00013 (J) | |
| 9/23/2020 | | <0.001 |
| 2/3/2021 | 0.00013 (J) | |
| 2/4/2021 | | <0.001 |
| 3/11/2021 | <0.001 | |
| 3/12/2021 | | <0.001 |
| 8/26/2021 | 0.00014 (J) | <0.001 |
| 3/3/2022 | 0.00052 (J) | <0.001 |
| 8/16/2022 | 0.00041 (J) | |
| 8/17/2022 | | <0.001 |
| 2/15/2023 | | <0.001 |
| 2/16/2023 | 0.00029 (J) | |
| Mean | 0.0007119 | 0.000959 |
| Std. Dev. | 0.0003865 | 0.0001877 |
| Upper Lim. | 0.001 | 0.001 |
| Lower Lim. | 0.00017 | 0.00014 |

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|------------|-------------|---------|------------|------------|------------|
| 5/18/2016 | 0.032 | | | | | <0.005 |
| 5/19/2016 | | <0.005 | <0.05 | <0.005 | | |
| 7/19/2016 | | | | | | 0.0036 (J) |
| 7/20/2016 | 0.021 | <0.005 | 0.0057 | <0.005 | | |
| 9/14/2016 | 0.02 | <0.005 | 0.0077 | <0.005 | | <0.005 |
| 11/10/2016 | | | | 0.0038 (J) | | 0.0064 |
| 11/11/2016 | 0.017 | <0.005 | 0.007 | | | |
| 1/24/2017 | | | | | | 0.0075 |
| 1/27/2017 | | <0.005 | 0.0074 | <0.005 | | |
| 2/6/2017 | 0.016 | | | | | |
| 2/8/2017 | | | | | 0.0039 (J) | |
| 2/23/2017 | | | | | <0.005 | |
| 3/14/2017 | | | | | | 0.0057 |
| 3/15/2017 | 0.014 | <0.005 | 0.0077 | <0.005 | | |
| 3/17/2017 | | | | | <0.005 | |
| 4/11/2017 | | | | | <0.005 | |
| 4/25/2017 | | | | | | 0.0059 |
| 4/26/2017 | 0.011 | <0.005 | 0.0011 | <0.005 | <0.005 | |
| 5/17/2017 | | | | | 0.0033 (J) | |
| 6/7/2017 | | | | | <0.005 | |
| 7/11/2017 | | | | | <0.005 | |
| 8/9/2017 | | | | <0.005 | | 0.0068 |
| 8/10/2017 | 0.011 | <0.005 | 0.0064 | | | |
| 3/29/2018 | | 0.0018 (J) | 0.01 | 0.0022 (J) | 0.0025 (J) | |
| 3/30/2018 | 0.016 | | | | | 0.0077 |
| 6/14/2018 | 0.0084 | 0.0011 (J) | 0.0062 | 0.0018 (J) | 0.0018 (J) | 0.0052 |
| 10/3/2018 | | | | | | 0.006 |
| 10/4/2018 | 0.0085 | 0.0014 (J) | 0.0066 | 0.0025 (J) | 0.0016 (J) | |
| 2/27/2019 | 0.0068 | <0.005 | 0.0068 | <0.005 | <0.005 | 0.0055 |
| 4/3/2019 | | <0.005 | 0.0075 | <0.005 | 0.0015 (J) | |
| 4/4/2019 | 0.0059 | | | | | 0.0054 |
| 9/18/2019 | | | | <0.005 | <0.005 | 0.0054 |
| 9/19/2019 | 0.0075 | <0.005 | 0.0067 | | | |
| 2/5/2020 | 0.0061 | <0.005 | 0.0063 | <0.005 | <0.005 | |
| 2/7/2020 | | | | | | 0.0068 |
| 3/18/2020 | 0.0071 | <0.005 | 0.0081 | | | 0.0086 |
| 3/19/2020 | | | | <0.005 | <0.005 | |
| 9/23/2020 | 0.0054 | | 0.007 | | | 0.0071 |
| 9/24/2020 | | <0.005 | | <0.005 | <0.005 | |
| 2/3/2021 | | <0.005 | 0.0075 | | | |
| 2/4/2021 | 0.0049 (J) | | | <0.005 | <0.005 | 0.0086 |
| 3/11/2021 | 0.0051 | | | 0.0037 (J) | 0.0035 (J) | |
| 3/12/2021 | | <0.005 | 0.0089 | | | 0.0096 |
| 8/25/2021 | | <0.005 | 0.0061 | <0.005 | <0.005 | |
| 8/26/2021 | 0.0044 (J) | | | | | 0.0059 |
| 3/3/2022 | 0.0038 (J) | <0.005 | | 0.0018 (J) | 0.0019 (J) | 0.0068 |
| 3/4/2022 | | | 0.0061 | | | |
| 8/16/2022 | | 0.00092 (J) | | | | |
| 8/17/2022 | | | | | | 0.0073 |
| 8/18/2022 | | | 0.0063 | 0.0024 (J) | | |
| 8/19/2022 | 0.0049 (J) | | | | 0.0021 (J) | |
| 2/15/2023 | | | | | | 0.0062 |

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|------------|----------|------------|---------|----------|----------|
| 2/16/2023 | 0.0025 (J) | <0.005 | 0.0036 (J) | <0.005 | <0.005 | |
| Mean | 0.0104 | 0.004357 | 0.007465 | 0.00427 | 0.004004 | 0.006217 |
| Std. Dev. | 0.007152 | 0.001439 | 0.004191 | 0.00121 | 0.00138 | 0.001752 |
| Upper Lim. | 0.01296 | 0.005 | 0.0077 | 0.005 | 0.005 | 0.007134 |
| Lower Lim. | 0.006432 | 0.0018 | 0.0062 | 0.0037 | 0.0025 | 0.005301 |

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 |
|------------|------------|------------|---------|---------|---------|---------|
| 5/18/2016 | <0.05 | <0.05 | | | | |
| 7/19/2016 | 0.0091 | | | | | |
| 7/20/2016 | | 0.0042 (J) | | | | |
| 9/14/2016 | 0.012 | 0.0058 | | | | |
| 11/10/2016 | 0.013 | 0.0066 | | | | |
| 11/11/2016 | | | 0.045 | | | |
| 1/20/2017 | | 0.0044 (J) | | | | |
| 1/24/2017 | 0.011 | | | | | |
| 2/6/2017 | | | 0.05 | | | |
| 3/14/2017 | | 0.0048 (J) | | | | |
| 3/15/2017 | 0.01 | | 0.052 | | | |
| 4/11/2017 | | | 0.048 | | | |
| 4/25/2017 | 0.0081 | 0.0049 (J) | | | | |
| 4/26/2017 | | | 0.044 | | | |
| 6/7/2017 | | | 0.047 | | | |
| 7/11/2017 | | | 0.045 | | | |
| 8/9/2017 | 0.013 | 0.0067 | | | | |
| 8/10/2017 | | | 0.056 | | | |
| 3/29/2018 | 0.015 | | 0.072 | | | |
| 3/30/2018 | | 0.0067 | | | | |
| 6/14/2018 | 0.009 | 0.0046 (J) | 0.048 | | | |
| 10/4/2018 | 0.012 | 0.005 | 0.062 | | | |
| 2/26/2019 | | 0.0063 | | | | |
| 2/27/2019 | 0.0075 | | | | | |
| 2/28/2019 | | | 0.045 | | | |
| 4/2/2019 | | | 0.052 | | | |
| 4/4/2019 | 0.0077 | 0.0042 (J) | | | | |
| 9/18/2019 | 0.0056 | 0.0047 (J) | 0.052 | | | |
| 2/7/2020 | 0.0053 | 0.0045 (J) | 0.044 | | | |
| 3/18/2020 | 0.0057 | 0.0054 | | | | |
| 5/4/2020 | | | 0.049 | | | |
| 9/23/2020 | 0.0059 | 0.0056 | 0.056 | | | |
| 2/3/2021 | | | 0.06 | | | |
| 2/4/2021 | 0.0051 | 0.0047 (J) | | | | |
| 3/8/2021 | | | | 0.11 | | |
| 3/9/2021 | | | | | 0.022 | 0.011 |
| 3/11/2021 | 0.005 | 0.0049 (J) | 0.051 | | | |
| 4/7/2021 | | | | | 0.031 | |
| 4/8/2021 | | | | 0.11 | | 0.0081 |
| 8/25/2021 | 0.0046 (J) | 0.0048 (J) | | | | |
| 8/26/2021 | | | 0.057 | 0.11 | 0.032 | 0.011 |
| 1/11/2022 | | | | | 0.038 | 0.011 |
| 1/12/2022 | | | | 0.15 | | |
| 3/3/2022 | 0.0041 (J) | | 0.057 | | 0.044 | |
| 3/4/2022 | | 0.0042 (J) | | 0.14 | | 0.011 |
| 6/6/2022 | | | | | 0.051 | |
| 6/7/2022 | | | | 0.12 | | 0.0093 |
| 8/16/2022 | | 0.0053 | | | 0.059 | |
| 8/17/2022 | 0.0042 (J) | | 0.056 | | | |
| 8/18/2022 | | | | 0.11 | | |
| 8/19/2022 | | | | | | 0.01 |
| 2/15/2023 | 0.0044 (J) | | | | | 0.009 |

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-23 | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 |
|------------|------------|------------|------------|----------|----------|
| 5/19/2016 | | | | 0.0215 | 0.0335 |
| 7/20/2016 | | | | 0.026 | 0.024 |
| 9/14/2016 | | | | | 0.039 |
| 9/15/2016 | | | | 0.057 | |
| 11/14/2016 | | | | 0.017 | |
| 2/6/2017 | | | | 0.012 | |
| 2/9/2017 | | | | | 0.04 |
| 3/15/2017 | | | | 0.014 | 0.035 |
| 4/11/2017 | | | | | 0.034 |
| 4/26/2017 | | | | 0.0091 | 0.029 |
| 8/10/2017 | | | | 0.013 | 0.038 |
| 3/29/2018 | | | | 0.018 | 0.048 |
| 6/14/2018 | | | | 0.015 | 0.034 |
| 10/4/2018 | | | | 0.013 | 0.039 |
| 2/27/2019 | | | | 0.014 | |
| 2/28/2019 | | | | | 0.037 |
| 4/3/2019 | | | | 0.015 | 0.035 |
| 9/19/2019 | | | | 0.014 | 0.036 |
| 2/5/2020 | | | | | 0.034 |
| 2/7/2020 | | | | 0.014 | |
| 3/19/2020 | | | | 0.015 | 0.039 |
| 9/22/2020 | | | | 0.013 | |
| 9/23/2020 | | | | | 0.033 |
| 2/3/2021 | | | | 0.014 | |
| 2/4/2021 | | | | | 0.035 |
| 3/8/2021 | | | 0.0046 (J) | | |
| 3/9/2021 | <0.005 | 0.0084 | | | |
| 3/11/2021 | | | | 0.013 | |
| 3/12/2021 | | | | | 0.034 |
| 4/7/2021 | <0.005 | 0.0077 | | | |
| 4/8/2021 | | | 0.0044 (J) | | |
| 8/26/2021 | <0.005 | 0.0076 | 0.0044 (J) | 0.013 | 0.03 |
| 1/11/2022 | <0.005 | 0.0091 | 0.0043 (J) | | |
| 3/3/2022 | | 0.0066 | | 0.014 | 0.03 |
| 3/4/2022 | 0.0015 (J) | | 0.0035 (J) | | |
| 6/6/2022 | 0.002 (J) | 0.0044 (J) | | | |
| 6/7/2022 | | | 0.004 (J) | | |
| 8/16/2022 | | | | 0.014 | |
| 8/17/2022 | 0.0017 (J) | | 0.0036 (J) | | 0.028 |
| 8/18/2022 | | 0.0036 (J) | | | |
| 2/15/2023 | <0.005 | 0.0068 | 0.0031 (J) | | 0.033 |
| 2/16/2023 | | | | 0.01 | |
| Mean | 0.003775 | 0.006775 | 0.003988 | 0.01646 | 0.03467 |
| Std. Dev. | 0.001696 | 0.001902 | 0.000533 | 0.009504 | 0.004879 |
| Upper Lim. | 0.005 | 0.008791 | 0.004552 | 0.017 | 0.03723 |
| Lower Lim. | 0.0015 | 0.004759 | 0.003423 | 0.013 | 0.03212 |

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 5/18/2016 | <0.0002 | | | | | <0.0002 |
| 5/19/2016 | | <0.0002 | <0.0002 | <0.0002 | | |
| 7/19/2016 | | | | | | 9.3E-05 (J) |
| 7/20/2016 | 8.2E-05 (J) | 8.2E-05 (J) | 0.00011 (J) | 8.1E-05 (J) | | |
| 9/14/2016 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | | <0.0002 |
| 11/10/2016 | | | | 8.3E-05 (J) | | 8.5E-05 (J) |
| 11/11/2016 | 8.5E-05 (J) | 0.00011 (J) | 7.9E-05 (J) | | | |
| 1/24/2017 | | | | | | <0.0002 |
| 1/27/2017 | | <0.0002 | <0.0002 | <0.0002 | | |
| 2/6/2017 | 8.3E-05 (J) | | | | | |
| 2/8/2017 | | | | | <0.0002 | |
| 2/23/2017 | | | | | <0.0002 | |
| 3/14/2017 | | | | | | 7.1E-05 (J) |
| 3/15/2017 | 0.00013 (J) | <0.0002 | 0.00018 (J) | <0.0002 | | |
| 3/17/2017 | | | | | 0.00013 (J) | |
| 4/11/2017 | | | | | <0.0002 | |
| 4/25/2017 | | | | | | <0.0002 |
| 4/26/2017 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | |
| 5/17/2017 | | | | | <0.0002 | |
| 6/7/2017 | | | | | <0.0002 | |
| 7/11/2017 | | | | | <0.0002 | |
| 8/9/2017 | | | | <0.0002 | | <0.0002 |
| 8/10/2017 | <0.0002 | <0.0002 | <0.0002 | | | |
| 3/29/2018 | | <0.0002 | 0.00011 (J) | <0.0002 | <0.0002 | |
| 3/30/2018 | <0.0002 | | | | | 8.6E-05 (J) |
| 6/14/2018 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| 10/3/2018 | | | | | | <0.0002 |
| 10/4/2018 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | |
| 2/27/2019 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| 2/5/2020 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | |
| 2/7/2020 | | | | | | <0.0002 |
| 3/18/2020 | <0.0002 | <0.0002 | <0.0002 | | | <0.0002 |
| 3/19/2020 | | | | <0.0002 | <0.0002 | |
| 9/23/2020 | <0.0002 | | <0.0002 | | | <0.0002 |
| 9/24/2020 | | <0.0002 | | <0.0002 | <0.0002 | |
| 2/3/2021 | | <0.0002 | <0.0002 | | | |
| 2/4/2021 | <0.0002 | | | <0.0002 | <0.0002 | <0.0002 |
| 3/3/2022 | <0.0002 | <0.0002 | | <0.0002 | <0.0002 | <0.0002 |
| 3/4/2022 | | | <0.0002 | | | |
| 8/16/2022 | | <0.0002 | | | | |
| 8/17/2022 | | | | | | <0.0002 |
| 8/18/2022 | | | <0.0002 | <0.0002 | | |
| 8/19/2022 | <0.0002 | | | | <0.0002 | |
| 2/15/2023 | | | | | | <0.0002 |
| 2/16/2023 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | |
| Mean | 0.0001779 | 0.0001891 | 0.0001831 | 0.0001876 | 0.0001963 | 0.0001755 |
| Std. Dev. | 4.5E-05 | 3.312E-05 | 3.787E-05 | 3.721E-05 | 1.606E-05 | 4.884E-05 |
| Upper Lim. | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 |
| Lower Lim. | 0.00013 | 0.00011 | 0.00018 | 8.3E-05 | 0.00013 | 9.3E-05 |

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-16 | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 |
|------------|-------------|-------------|-------------|-----------|---------|-------------|
| 5/18/2016 | <0.0002 | <0.0002 | | | | |
| 7/19/2016 | <0.0002 | | | | | |
| 7/20/2016 | | 7.4E-05 (J) | | | | |
| 9/14/2016 | <0.0002 | <0.0002 | | | | |
| 11/10/2016 | 0.00012 (J) | <0.0002 | | | | |
| 11/11/2016 | | | 7.6E-05 (J) | | | |
| 1/20/2017 | | <0.0002 | | | | |
| 1/24/2017 | 7E-05 (J) | | | | | |
| 2/6/2017 | | | 0.00012 (J) | | | |
| 3/14/2017 | | <0.0002 | | | | |
| 3/15/2017 | <0.0002 | | <0.0002 | | | |
| 4/11/2017 | | | <0.0002 | | | |
| 4/25/2017 | 0.00019 (J) | <0.0002 | | | | |
| 4/26/2017 | | | <0.0002 | | | |
| 6/7/2017 | | | <0.0002 | | | |
| 7/11/2017 | | | <0.0002 | | | |
| 8/9/2017 | <0.0002 | <0.0002 | | | | |
| 8/10/2017 | | | <0.0002 | | | |
| 3/29/2018 | <0.0002 | | <0.0002 | | | |
| 3/30/2018 | | <0.0002 | | | | |
| 6/14/2018 | <0.0002 | <0.0002 | <0.0002 | | | |
| 10/4/2018 | <0.0002 | <0.0002 | <0.0002 | | | |
| 2/26/2019 | | <0.0002 | | | | |
| 2/27/2019 | <0.0002 | | | | | |
| 2/28/2019 | | | <0.0002 | | | |
| 2/7/2020 | <0.0002 | <0.0002 | <0.0002 | | | |
| 3/18/2020 | <0.0002 | <0.0002 | | | | |
| 5/4/2020 | | | <0.0002 | | | |
| 9/23/2020 | <0.0002 | <0.0002 | <0.0002 | | | |
| 2/3/2021 | | | <0.0002 | | | |
| 2/4/2021 | <0.0002 | <0.0002 | | | | |
| 8/26/2021 | | | | 0.00033 | 0.0002 | 0.00018 (J) |
| 1/11/2022 | | | | | <0.0002 | <0.0002 |
| 1/12/2022 | | | | <0.0002 | | |
| 3/3/2022 | <0.0002 | | <0.0002 | | <0.0002 | |
| 3/4/2022 | | <0.0002 | | <0.0002 | | <0.0002 |
| 6/6/2022 | | | | | <0.0002 | |
| 6/7/2022 | | | | <0.0002 | | <0.0002 |
| 8/16/2022 | | <0.0002 | | | <0.0002 | |
| 8/17/2022 | <0.0002 | | <0.0002 | | | |
| 8/18/2022 | | | | <0.0002 | | |
| 8/19/2022 | | | | | | <0.0002 |
| 2/15/2023 | <0.0002 | | | | | <0.0002 |
| 2/16/2023 | | <0.0002 | <0.0002 | <0.0002 | <0.0002 | |
| Mean | 0.0001884 | 0.0001934 | 0.0001893 | 0.0002217 | 0.0002 | 0.0001967 |
| Std. Dev. | 3.404E-05 | 2.891E-05 | 3.299E-05 | 5.307E-05 | 2.1E-12 | 8.165E-06 |
| Upper Lim. | 0.0002 | 0.0002 | 0.0002 | 0.00033 | 0.0002 | 0.0002 |
| Lower Lim. | 0.00019 | 7.4E-05 | 0.00012 | 0.0002 | 0.0002 | 0.00018 |

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
 Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-23 | WGWC-24 | WGWC-25 | WGWC-8 | WGWC-9 |
|------------|-----------|-----------|-----------|-------------|-------------|
| 5/19/2016 | | | | <0.0002 | <0.0002 |
| 7/20/2016 | | | | <0.0002 | <0.0002 |
| 9/14/2016 | | | | | <0.0002 |
| 9/15/2016 | | | | 0.00011 (J) | |
| 11/14/2016 | | | | <0.0002 | |
| 2/6/2017 | | | | 7.8E-05 (J) | |
| 2/9/2017 | | | | | <0.0002 |
| 3/15/2017 | | | | 0.00013 (J) | 0.00013 (J) |
| 4/11/2017 | | | | | <0.0002 |
| 4/26/2017 | | | | <0.0002 | <0.0002 |
| 8/10/2017 | | | | <0.0002 | <0.0002 |
| 3/29/2018 | | | | <0.0002 | <0.0002 |
| 6/14/2018 | | | | <0.0002 | <0.0002 |
| 10/4/2018 | | | | <0.0002 | <0.0002 |
| 2/27/2019 | | | | <0.0002 | |
| 2/28/2019 | | | | | <0.0002 |
| 2/5/2020 | | | | | <0.0002 |
| 2/7/2020 | | | | <0.0002 | |
| 3/19/2020 | | | | <0.0002 | <0.0002 |
| 9/22/2020 | | | | <0.0002 | |
| 9/23/2020 | | | | | <0.0002 |
| 2/3/2021 | | | | <0.0002 | |
| 2/4/2021 | | | | | <0.0002 |
| 8/26/2021 | 0.00022 | 0.00026 | 0.0019 | | |
| 1/11/2022 | <0.0002 | <0.0002 | <0.0002 | | |
| 3/3/2022 | | <0.0002 | | <0.0002 | <0.0002 |
| 3/4/2022 | <0.0002 | | <0.0002 | | |
| 6/6/2022 | <0.0002 | <0.0002 | | | |
| 6/7/2022 | | | <0.0002 | | |
| 8/16/2022 | | | | <0.0002 | |
| 8/17/2022 | <0.0002 | | <0.0002 | | <0.0002 |
| 8/18/2022 | | <0.0002 | | | |
| 2/15/2023 | <0.0002 | <0.0002 | <0.0002 | | <0.0002 |
| 2/16/2023 | | | | <0.0002 | |
| Mean | 0.0002033 | 0.00021 | 0.0004833 | 0.0001852 | 0.0001963 |
| Std. Dev. | 8.165E-06 | 2.449E-05 | 0.000694 | 3.628E-05 | 1.606E-05 |
| Upper Lim. | 0.00022 | 0.00026 | 0.0019 | 0.0002 | 0.0002 |
| Lower Lim. | 0.0002 | 0.0002 | 0.0002 | 0.00013 | 0.00013 |

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|-------------|------------|-------------|-------------|-----------|------------|
| 5/18/2016 | <0.015 | | | | | 0.0153 |
| 5/19/2016 | | <0.015 | <0.015 | 0.00491 (J) | | |
| 7/19/2016 | | | | | | 0.0093 (J) |
| 7/20/2016 | <0.015 | <0.015 | 0.00095 (J) | 0.0025 (J) | | |
| 9/14/2016 | 0.00091 (J) | <0.015 | 0.0009 (J) | 0.0028 (J) | | 0.012 (J) |
| 11/10/2016 | | | | 0.0016 (J) | | 0.0065 (J) |
| 11/11/2016 | <0.015 | <0.015 | <0.015 | | | |
| 1/24/2017 | | | | | | 0.0049 (J) |
| 1/27/2017 | | <0.015 | <0.015 | 0.0023 (J) | | |
| 2/6/2017 | <0.015 | | | | | |
| 2/8/2017 | | | | | <0.015 | |
| 2/23/2017 | | | | | <0.015 | |
| 3/14/2017 | | | | | | 0.0034 (J) |
| 3/15/2017 | <0.015 | <0.015 | <0.015 | 0.0022 (J) | | |
| 3/17/2017 | | | | | <0.015 | |
| 4/11/2017 | | | | | <0.015 | |
| 4/25/2017 | | | | | | 0.004 (J) |
| 4/26/2017 | <0.015 | <0.015 | <0.015 | 0.0019 (J) | <0.015 | |
| 5/17/2017 | | | | | <0.015 | |
| 6/7/2017 | | | | | 0.001 (J) | |
| 7/11/2017 | | | | | <0.015 | |
| 8/9/2017 | | | | 0.0028 (J) | | 0.0042 (J) |
| 8/10/2017 | 0.00093 (J) | 0.0011 (J) | 0.0046 (J) | | | |
| 3/29/2018 | | <0.015 | <0.015 | 0.0028 (J) | <0.015 | |
| 3/30/2018 | <0.015 | | | | | 0.0049 (J) |
| 6/14/2018 | <0.015 | <0.015 | <0.015 | 0.0018 (J) | <0.015 | 0.0056 (J) |
| 10/3/2018 | | | | | | 0.0041 (J) |
| 10/4/2018 | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | |
| 2/27/2019 | <0.015 | <0.015 | 0.00063 (J) | 0.0019 (J) | <0.015 | 0.0061 |
| 4/3/2019 | | <0.015 | <0.015 | <0.015 | <0.015 | |
| 4/4/2019 | <0.015 | | | | | 0.0039 (J) |
| 9/18/2019 | | | | 0.0021 (J) | <0.015 | 0.0052 |
| 9/19/2019 | <0.015 | <0.015 | 0.00073 (J) | | | |
| 2/5/2020 | <0.015 | <0.015 | <0.015 | 0.0012 (J) | <0.015 | |
| 2/7/2020 | | | | | | 0.0024 (J) |
| 3/18/2020 | <0.015 | <0.015 | <0.015 | | | 0.002 (J) |
| 3/19/2020 | | | | 0.0018 (J) | <0.015 | |
| 9/23/2020 | <0.015 | | <0.015 | | | 0.0031 (J) |
| 9/24/2020 | | 0.0017 (J) | | <0.015 | <0.015 | |
| 2/3/2021 | | <0.015 | <0.015 | | | |
| 2/4/2021 | <0.015 | | | 0.0012 (J) | <0.015 | 0.0022 (J) |
| 3/11/2021 | <0.015 | | | 0.0013 (J) | <0.015 | |
| 3/12/2021 | | <0.015 | 0.00062 (J) | | | 0.0019 (J) |
| 8/25/2021 | | <0.015 | <0.015 | 0.00092 (J) | <0.015 | |
| 8/26/2021 | <0.015 | | | | | 0.0029 (J) |
| 3/3/2022 | <0.015 | <0.015 | | 0.00094 (J) | <0.015 | 0.0025 (J) |
| 3/4/2022 | | | <0.015 | | | |
| 8/16/2022 | | <0.015 | | | | |
| 8/17/2022 | | | | | | 0.0025 (J) |
| 8/18/2022 | | | <0.015 | 0.00087 (J) | | |
| 8/19/2022 | <0.015 | | | | <0.015 | |
| 2/15/2023 | | | | | | 0.0027 (J) |

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-13 | WGWC-14A | WGWC-15 |
|------------|----------|----------|---------|------------|----------|----------|
| 2/16/2023 | <0.015 | <0.015 | <0.015 | 0.0013 (J) | <0.015 | |
| Mean | 0.01378 | 0.01382 | 0.01145 | 0.00268 | 0.01439 | 0.004852 |
| Std. Dev. | 0.004057 | 0.003919 | 0.00615 | 0.0021 | 0.002919 | 0.003318 |
| Upper Lim. | 0.015 | 0.015 | 0.015 | 0.003006 | 0.015 | 0.005821 |
| Lower Lim. | 0.00093 | 0.0017 | 0.0046 | 0.001529 | 0.001 | 0.003115 |

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-9 |
|------------|-------------|------------|-------------|---------|-------------|-------------|
| 5/18/2016 | 0.00526 (J) | | | | | |
| 5/19/2016 | | | | | | 0.00762 (J) |
| 7/20/2016 | 0.0066 (J) | | | | | 0.0084 (J) |
| 9/14/2016 | 0.0081 (J) | | | | | 0.0071 (J) |
| 11/10/2016 | 0.0076 (J) | | | | | |
| 11/11/2016 | | <0.015 | | | | |
| 1/20/2017 | 0.0094 (J) | | | | | |
| 2/6/2017 | | 0.001 (J) | | | | |
| 2/9/2017 | | | | | | 0.018 |
| 3/14/2017 | 0.0044 (J) | | | | | |
| 3/15/2017 | | <0.015 | | | | 0.0057 (J) |
| 4/11/2017 | | <0.015 | | | | 0.0047 (J) |
| 4/25/2017 | 0.0074 (J) | | | | | |
| 4/26/2017 | | <0.015 | | | | 0.004 (J) |
| 6/7/2017 | | 0.0015 (J) | | | | |
| 7/11/2017 | | <0.015 | | | | |
| 8/9/2017 | 0.0066 (J) | | | | | |
| 8/10/2017 | | 0.0016 (J) | | | | 0.0046 (J) |
| 3/29/2018 | | 0.0012 (J) | | | | 0.0048 (J) |
| 3/30/2018 | 0.0024 (J) | | | | | |
| 6/14/2018 | 0.0026 (J) | 0.0014 (J) | | | | 0.0046 (J) |
| 10/4/2018 | 0.00085 (J) | <0.015 | | | | 0.003 (J) |
| 2/26/2019 | 0.0032 (J) | | | | | |
| 2/28/2019 | | 0.0013 (J) | | | | 0.0053 |
| 4/2/2019 | | <0.015 | | | | |
| 4/3/2019 | | | | | | 0.0026 (J) |
| 4/4/2019 | 0.002 (J) | | | | | |
| 9/18/2019 | 0.0026 (J) | 0.0011 (J) | | | | |
| 9/19/2019 | | | | | | 0.0048 (J) |
| 2/5/2020 | | | | | | 0.0044 (J) |
| 2/7/2020 | 0.0025 (J) | 0.0014 (J) | | | | |
| 3/18/2020 | 0.0024 (J) | | | | | |
| 3/19/2020 | | | | | | 0.0042 (J) |
| 5/4/2020 | | 0.0013 (J) | | | | |
| 9/23/2020 | 0.0027 (J) | 0.0013 (J) | | | | 0.0027 (J) |
| 2/3/2021 | | 0.0013 (J) | | | | |
| 2/4/2021 | 0.0025 (J) | | | | | 0.003 (J) |
| 3/11/2021 | 0.0022 (J) | 0.0012 (J) | | | | |
| 3/12/2021 | | | | | | 0.003 (J) |
| 8/25/2021 | 0.0022 (J) | | | | | |
| 8/26/2021 | | 0.0011 (J) | 0.00079 (J) | 0.044 | <0.015 | 0.0028 (J) |
| 1/11/2022 | | | | 0.037 | <0.015 | |
| 1/12/2022 | | | 0.00062 (J) | | | |
| 3/3/2022 | | 0.0013 (J) | | 0.036 | | 0.0027 (J) |
| 3/4/2022 | 0.0021 (J) | | <0.015 | | 0.00084 (J) | |
| 6/6/2022 | | | | 0.032 | | |
| 6/7/2022 | | | <0.015 | | <0.015 | |
| 8/16/2022 | 0.0024 (J) | | | 0.042 | | |
| 8/17/2022 | | 0.001 (J) | | | | 0.0027 (J) |
| 8/18/2022 | | | <0.015 | | | |
| 8/19/2022 | | | | | <0.015 | |
| 2/15/2023 | | | | | <0.015 | 0.0025 (J) |

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-17 | WGWC-19 | WGWC-20 | WGWC-21 | WGWC-22 | WGWC-9 |
|------------|------------|------------|----------|----------|----------|----------|
| 2/16/2023 | 0.0022 (J) | 0.0014 (J) | <0.015 | 0.034 | | |
| Mean | 0.003922 | 0.005452 | 0.01023 | 0.0375 | 0.01264 | 0.004923 |
| Std. Dev. | 0.002443 | 0.006459 | 0.007382 | 0.004637 | 0.005781 | 0.003299 |
| Upper Lim. | 0.004512 | 0.015 | 0.015 | 0.04387 | 0.015 | 0.005541 |
| Lower Lim. | 0.00241 | 0.0012 | 0.00062 | 0.03113 | 0.00084 | 0.003362 |

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-14A | WGWC-15 | WGWC-16 |
|------------|-------------|-------------|---------|------------|------------|------------|
| 5/18/2016 | <0.005 | | | | <0.005 | 0.00735 |
| 5/19/2016 | | <0.005 | <0.005 | | | |
| 7/19/2016 | | | | | <0.005 | 0.0075 |
| 7/20/2016 | <0.005 | <0.005 | <0.005 | | | |
| 9/14/2016 | <0.005 | <0.005 | <0.005 | | <0.005 | 0.0091 |
| 11/10/2016 | | | | | <0.005 | 0.0056 |
| 11/11/2016 | <0.005 | <0.005 | <0.005 | | | |
| 1/24/2017 | | | | | <0.005 | 0.012 |
| 1/27/2017 | | <0.005 | <0.005 | | | |
| 2/6/2017 | <0.005 | | | | | |
| 2/8/2017 | | | | <0.005 | | |
| 2/23/2017 | | | | <0.005 | | |
| 3/14/2017 | | | | | <0.005 | |
| 3/15/2017 | <0.005 | <0.005 | <0.005 | | | 0.012 |
| 3/17/2017 | | | | <0.005 | | |
| 4/11/2017 | | | | <0.005 | | |
| 4/25/2017 | | | | | <0.005 | 0.013 |
| 4/26/2017 | <0.005 | <0.005 | <0.005 | <0.005 | | |
| 5/17/2017 | | | | <0.005 | | |
| 6/7/2017 | | | | <0.005 | | |
| 7/11/2017 | | | | <0.005 | | |
| 8/9/2017 | | | | | <0.005 | 0.016 |
| 8/10/2017 | 0.00031 (J) | 0.00049 (J) | 0.0021 | | | |
| 3/29/2018 | | <0.005 | <0.005 | 0.0003 (J) | | 0.016 |
| 3/30/2018 | <0.005 | | | | <0.005 | |
| 6/14/2018 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0005 (J) | 0.012 |
| 10/3/2018 | | | | | <0.005 | |
| 10/4/2018 | <0.005 | <0.005 | <0.005 | <0.005 | | 0.013 |
| 2/27/2019 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0081 |
| 4/3/2019 | | <0.005 | <0.005 | <0.005 | | |
| 4/4/2019 | <0.005 | | | | <0.005 | 0.0091 |
| 9/18/2019 | | | | <0.005 | <0.005 | 0.0044 (J) |
| 9/19/2019 | <0.005 | <0.005 | <0.005 | | | |
| 2/5/2020 | <0.005 | <0.005 | <0.005 | <0.005 | | |
| 2/7/2020 | | | | | <0.005 | 0.0036 (J) |
| 3/18/2020 | <0.005 | <0.005 | <0.005 | | <0.005 | 0.0046 (J) |
| 3/19/2020 | | | | <0.005 | | |
| 9/23/2020 | <0.005 | | <0.005 | | <0.005 | 0.0028 (J) |
| 9/24/2020 | | <0.005 | | <0.005 | | |
| 2/3/2021 | | <0.005 | <0.005 | | | |
| 2/4/2021 | <0.005 | | | <0.005 | <0.005 | 0.0023 (J) |
| 3/11/2021 | <0.005 | | | <0.005 | | 0.0023 (J) |
| 3/12/2021 | | <0.005 | <0.005 | | <0.005 | |
| 8/25/2021 | | <0.005 | <0.005 | <0.005 | | 0.0019 (J) |
| 8/26/2021 | <0.005 | | | | <0.005 | |
| 3/3/2022 | <0.005 | <0.005 | | <0.005 | <0.005 | 0.0018 (J) |
| 3/4/2022 | | | <0.005 | | | |
| 8/16/2022 | | <0.005 | | | | |
| 8/17/2022 | | | | | <0.005 | <0.005 |
| 8/18/2022 | | | <0.005 | | | |
| 8/19/2022 | <0.005 | | | <0.005 | | |
| 2/15/2023 | | | | | <0.005 | 0.0019 (J) |

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-12 | WGWC-14A | WGWC-15 | WGWC-16 |
|------------|-----------|-----------|-----------|----------|-----------|----------|
| 2/16/2023 | <0.005 | <0.005 | <0.005 | <0.005 | | |
| Mean | 0.004796 | 0.004804 | 0.004874 | 0.004796 | 0.004804 | 0.007341 |
| Std. Dev. | 0.0009779 | 0.0009404 | 0.0006047 | 0.00098 | 0.0009383 | 0.004786 |
| Upper Lim. | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.009844 |
| Lower Lim. | 0.00031 | 0.00049 | 0.0021 | 0.0003 | 0.0005 | 0.004838 |

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-19 | WGWC-20 | WGWC-22 | WGWC-23 | WGWC-24 | WGWC-8 |
|------------|-------------|------------|------------|------------|-------------|------------|
| 5/19/2016 | | | | | | 0.00518 |
| 7/20/2016 | | | | | | 0.0038 |
| 9/15/2016 | | | | | | 0.0034 |
| 11/11/2016 | <0.005 | | | | | |
| 11/14/2016 | | | | | | 0.0033 |
| 2/6/2017 | <0.005 | | | | | 0.0033 |
| 3/15/2017 | <0.005 | | | | | 0.003 |
| 4/11/2017 | <0.005 | | | | | |
| 4/26/2017 | <0.005 | | | | | 0.0032 |
| 6/7/2017 | <0.005 | | | | | |
| 7/11/2017 | <0.005 | | | | | |
| 8/10/2017 | 0.00036 (J) | | | | | 0.0031 |
| 3/29/2018 | <0.005 | | | | | 0.0034 |
| 6/14/2018 | <0.005 | | | | | 0.0031 |
| 10/4/2018 | <0.005 | | | | | 0.0033 |
| 2/27/2019 | | | | | | 0.0035 |
| 2/28/2019 | <0.005 | | | | | |
| 4/2/2019 | <0.005 | | | | | |
| 4/3/2019 | | | | | | 0.0031 |
| 9/18/2019 | <0.005 | | | | | |
| 9/19/2019 | | | | | | 0.0021 (J) |
| 2/7/2020 | <0.005 | | | | | 0.0048 (J) |
| 3/19/2020 | | | | | | 0.0037 (J) |
| 5/4/2020 | <0.005 | | | | | |
| 9/22/2020 | | | | | | 0.0039 (J) |
| 9/23/2020 | <0.005 | | | | | |
| 2/3/2021 | <0.005 | | | | | 0.0036 (J) |
| 3/11/2021 | <0.005 | | | | | 0.0038 (J) |
| 8/26/2021 | <0.005 | 0.0016 (J) | 0.0049 (J) | 0.002 (J) | <0.005 | 0.0037 (J) |
| 1/11/2022 | | | 0.0065 | 0.0024 (J) | <0.005 | |
| 1/12/2022 | | <0.005 | | | | |
| 3/3/2022 | <0.005 | | | | 0.00077 (J) | 0.0038 (J) |
| 3/4/2022 | | 0.0014 (J) | 0.0072 | 0.002 (J) | | |
| 6/6/2022 | | | | 0.0018 (J) | <0.005 | |
| 6/7/2022 | | 0.0014 (J) | 0.0047 (J) | | | |
| 8/16/2022 | | | | | | 0.0075 |
| 8/17/2022 | <0.005 | | | 0.0013 (J) | | |
| 8/18/2022 | | 0.0027 (J) | | | <0.005 | |
| 8/19/2022 | | | 0.0035 (J) | | | |
| 2/15/2023 | | | 0.0077 | 0.0026 (J) | <0.005 | |
| 2/16/2023 | <0.005 | 0.0017 (J) | | | | 0.0033 (J) |
| Mean | 0.004798 | 0.0023 | 0.00575 | 0.002017 | 0.004295 | 0.00369 |
| Std. Dev. | 0.0009675 | 0.001409 | 0.001634 | 0.0004579 | 0.001727 | 0.001026 |
| Upper Lim. | 0.005 | 0.005 | 0.007995 | 0.002646 | 0.005 | 0.0038 |
| Lower Lim. | 0.00036 | 0.0014 | 0.003505 | 0.001388 | 0.00077 | 0.0032 |

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-9 |
|------------|------------|
| 5/19/2016 | 0.00228 |
| 7/20/2016 | 0.0016 |
| 9/14/2016 | 0.0024 |
| 2/9/2017 | 0.0023 |
| 3/15/2017 | 0.0031 |
| 4/11/2017 | 0.0023 |
| 4/26/2017 | 0.0019 |
| 8/10/2017 | 0.0021 |
| 3/29/2018 | 0.0021 |
| 6/14/2018 | 0.0025 |
| 10/4/2018 | 0.002 |
| 2/28/2019 | 0.0027 |
| 4/3/2019 | 0.0019 |
| 9/19/2019 | 0.0026 (J) |
| 2/5/2020 | 0.0033 (J) |
| 3/19/2020 | 0.0033 (J) |
| 9/23/2020 | 0.0029 (J) |
| 2/4/2021 | 0.003 (J) |
| 3/12/2021 | 0.0034 (J) |
| 8/26/2021 | 0.0028 (J) |
| 3/3/2022 | 0.0021 (J) |
| 8/17/2022 | 0.0022 (J) |
| 2/15/2023 | 0.0037 (J) |
| Mean | 0.002543 |
| Std. Dev. | 0.0005595 |
| Upper Lim. | 0.002835 |
| Lower Lim. | 0.00225 |

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-14A | WGWC-16 | WGWC-19 | WGWC-22 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 5/18/2016 | <0.001 | | | <0.001 | | |
| 5/19/2016 | | <0.001 | | | | |
| 7/19/2016 | | | | 8.5E-05 (J) | | |
| 7/20/2016 | <0.001 | <0.001 | | | | |
| 9/14/2016 | <0.001 | <0.001 | | 0.00017 (J) | | |
| 11/10/2016 | | | | 0.00017 (J) | | |
| 11/11/2016 | <0.001 | <0.001 | | | <0.001 | |
| 1/24/2017 | | | | 0.00023 (J) | | |
| 1/27/2017 | | <0.001 | | | | |
| 2/6/2017 | <0.001 | | | | <0.001 | |
| 2/8/2017 | | | 0.00011 (J) | | | |
| 2/23/2017 | | | 0.00012 (J) | | | |
| 3/15/2017 | <0.001 | <0.001 | | 0.00021 (J) | <0.001 | |
| 3/17/2017 | | | <0.001 | | | |
| 4/11/2017 | | | <0.001 | | <0.001 | |
| 4/25/2017 | | | | 0.00024 (J) | | |
| 4/26/2017 | <0.001 | <0.001 | <0.001 | | <0.001 | |
| 5/17/2017 | | | <0.001 | | | |
| 6/7/2017 | | | <0.001 | | <0.001 | |
| 7/11/2017 | | | <0.001 | | <0.001 | |
| 8/9/2017 | | | | 0.0002 (J) | | |
| 8/10/2017 | <0.001 | <0.001 | | | <0.001 | |
| 3/29/2018 | | <0.001 | 0.0002 (J) | 0.00019 (J) | <0.001 | |
| 3/30/2018 | 8.5E-05 (J) | | | | | |
| 6/14/2018 | <0.001 | <0.001 | 0.00014 (J) | 0.00017 (J) | <0.001 | |
| 10/4/2018 | <0.001 | <0.001 | 0.00013 (J) | 0.00015 (J) | <0.001 | |
| 2/27/2019 | <0.001 | <0.001 | 0.00016 (J) | 0.00015 (J) | | |
| 2/28/2019 | | | | | <0.001 | |
| 4/2/2019 | | | | | <0.001 | |
| 4/3/2019 | | <0.001 | 0.00012 (J) | | | |
| 4/4/2019 | <0.001 | | | 9.5E-05 (J) | | |
| 9/18/2019 | | | <0.001 | <0.001 | <0.001 | |
| 9/19/2019 | <0.001 | <0.001 | | | | |
| 2/5/2020 | <0.001 | <0.001 | 0.00022 (J) | | | |
| 2/7/2020 | | | | <0.001 | <0.001 | |
| 3/18/2020 | <0.001 | <0.001 | | <0.001 | | |
| 3/19/2020 | | | 0.00017 (J) | | | |
| 5/4/2020 | | | | | <0.001 | |
| 9/23/2020 | <0.001 | | | <0.001 | <0.001 | |
| 9/24/2020 | | <0.001 | <0.001 | | | |
| 2/3/2021 | | 0.00016 (J) | | | 0.00018 (J) | |
| 2/4/2021 | <0.001 | | 0.00021 (J) | <0.001 | | |
| 3/11/2021 | <0.001 | | 0.00019 (J) | <0.001 | <0.001 | |
| 3/12/2021 | | <0.001 | | | | |
| 8/25/2021 | | <0.001 | <0.001 | <0.001 | | |
| 8/26/2021 | <0.001 | | | | <0.001 | <0.001 |
| 1/11/2022 | | | | | | <0.001 |
| 3/3/2022 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | |
| 3/4/2022 | | | | | | 0.00047 (J) |
| 6/7/2022 | | | | | | <0.001 |
| 8/16/2022 | | <0.001 | | | | |
| 8/17/2022 | | | | <0.001 | <0.001 | |

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-10 | WGWC-11 | WGWC-14A | WGWC-16 | WGWC-19 | WGWC-22 |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 8/19/2022 | <0.001 | | <0.001 | | | <0.001 |
| 2/15/2023 | | | | <0.001 | | <0.001 |
| 2/16/2023 | <0.001 | <0.001 | <0.001 | | <0.001 | |
| Mean | 0.0009602 | 0.0009635 | 0.0005987 | 0.0005678 | 0.0009643 | 0.0009117 |
| Std. Dev. | 0.0001908 | 0.0001752 | 0.0004294 | 0.0004244 | 0.000171 | 0.0002164 |
| Upper Lim. | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lower Lim. | 8.5E-05 | 0.00016 | 0.00016 | 0.00017 | 0.00018 | 0.00047 |

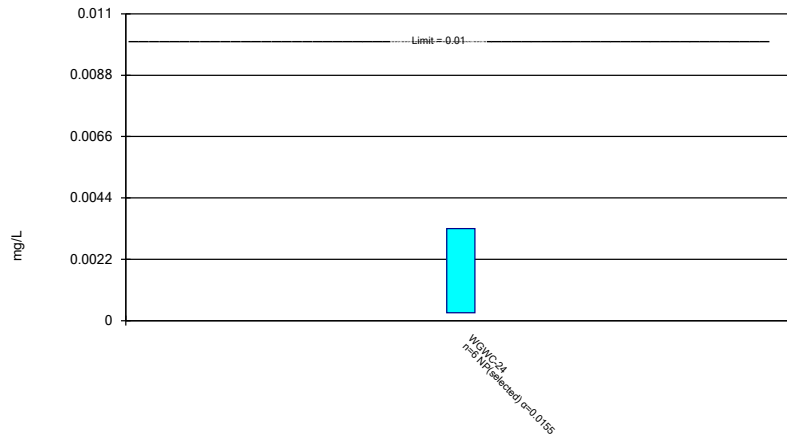
Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | |
|------------|-------------|
| | WGWC-24 |
| 8/26/2021 | 0.00072 (J) |
| 1/11/2022 | 0.00062 (J) |
| 3/3/2022 | 0.0006 (J) |
| 6/6/2022 | 0.00052 (J) |
| 8/18/2022 | 0.0003 (J) |
| 2/15/2023 | 0.00045 (J) |
| Mean | 0.000535 |
| Std. Dev. | 0.0001472 |
| Upper Lim. | 0.0007372 |
| Lower Lim. | 0.0003328 |

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Arsenic Analysis Run 4/25/2023 10:10 AM View: Confidence Intervals - Nonparametric
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/25/2023 10:11 AM View: Confidence Intervals - Nonparametric
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

| | WGWC-24 |
|------------|-------------|
| 8/26/2021 | 0.0033 |
| 1/11/2022 | 0.0017 |
| 3/3/2022 | 0.0029 |
| 6/6/2022 | 0.00054 (J) |
| 8/18/2022 | 0.00028 (J) |
| 2/15/2023 | <0.001 |
| Mean | 0.00162 |
| Std. Dev. | 0.00125 |
| Upper Lim. | 0.0033 |
| Lower Lim. | 0.00028 |

FIGURE I.

Appendix IV Trend Test - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/20/2023, 12:59 PM

| <u>Constituent</u> | <u>Well</u> | <u>Slope</u> | <u>Calc.</u> | <u>Critical</u> | <u>Sig.</u> | <u>N</u> | <u>%NDs</u> | <u>Normality</u> | <u>Xform</u> | <u>Alpha</u> | <u>Method</u> |
|--------------------|--------------|--------------|--------------|-----------------|-------------|----------|-------------|------------------|--------------|--------------|---------------|
| Cobalt (mg/L) | WGWA-1 (bg) | -0.00008357 | -162 | -98 | Yes | 23 | 4.348 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-18 (bg) | -0.0003188 | -105 | -98 | Yes | 23 | 8.696 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-2 (bg) | -0.0001095 | -178 | -98 | Yes | 23 | 8.696 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-5 (bg) | -0.0003904 | -96 | -92 | Yes | 22 | 4.545 | n/a | n/a | 0.01 | NP |

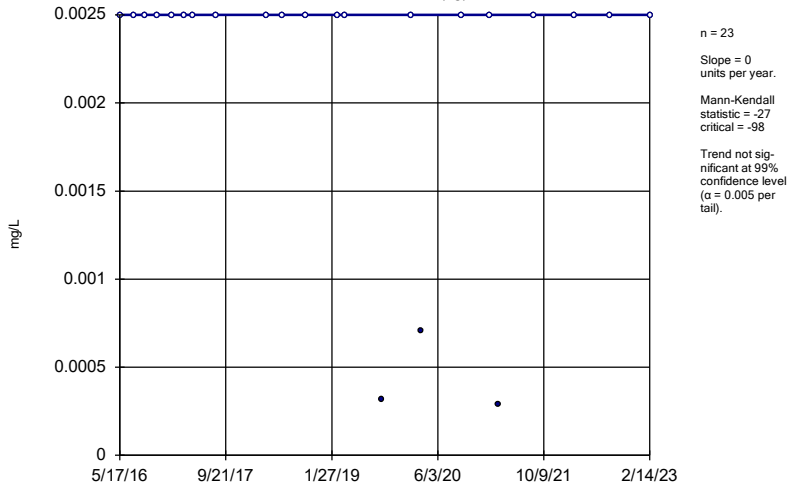
Appendix IV Trend Test - All Results

Plant Wansley Client: Southern Company Data: Wansley Ash Pond Printed 4/20/2023, 12:59 PM

| <u>Constituent</u> | <u>Well</u> | <u>Slope</u> | <u>Calc.</u> | <u>Critical</u> | <u>Sig.</u> | <u>N</u> | <u>%NDs</u> | <u>Normality</u> | <u>Xform</u> | <u>Alpha</u> | <u>Method</u> |
|----------------------|---------------------|--------------------|--------------|-----------------|-------------|-----------|--------------|------------------|--------------|--------------|---------------|
| Beryllium (mg/L) | WGWA-1 (bg) | 0 | -27 | -98 | No | 23 | 86.96 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWA-18 (bg) | 0 | 0 | 98 | No | 23 | 100 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWA-2 (bg) | 0 | -25 | -98 | No | 23 | 86.96 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWA-3 (bg) | 0 | -23 | -98 | No | 23 | 91.3 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWA-4 (bg) | 0 | 0 | 98 | No | 23 | 100 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWA-5 (bg) | 0 | -3 | -92 | No | 22 | 95.45 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWA-6 (bg) | 0 | -4 | -98 | No | 23 | 95.65 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWA-7 (bg) | 0 | -6 | -98 | No | 23 | 95.65 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWC-20 | 0 | 0 | 14 | No | 6 | 0 | n/a | n/a | 0.01 | NP |
| Beryllium (mg/L) | WGWC-24 | -0.009 | -10 | -14 | No | 6 | 0 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-1 (bg) | -0.00008357 | -162 | -98 | Yes | 23 | 4.348 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-18 (bg) | -0.0003188 | -105 | -98 | Yes | 23 | 8.696 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-2 (bg) | -0.0001095 | -178 | -98 | Yes | 23 | 8.696 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-3 (bg) | 0 | 0 | 98 | No | 23 | 100 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-4 (bg) | 0 | 0 | 98 | No | 23 | 95.65 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-5 (bg) | -0.0003904 | -96 | -92 | Yes | 22 | 4.545 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-6 (bg) | 0 | -4 | -98 | No | 23 | 82.61 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWA-7 (bg) | 0 | -23 | -98 | No | 23 | 65.22 | n/a | n/a | 0.01 | NP |
| Cobalt (mg/L) | WGWC-24 | -0.08497 | -11 | -14 | No | 6 | 0 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWA-1 (bg) | -0.0001076 | -69 | -98 | No | 23 | 39.13 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWA-18 (bg) | 0 | 6 | 98 | No | 23 | 86.96 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWA-2 (bg) | -0.00008441 | -20 | -98 | No | 23 | 4.348 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWA-3 (bg) | 0 | 10 | 98 | No | 23 | 86.96 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWA-4 (bg) | 0.00002309 | 13 | 98 | No | 23 | 4.348 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWA-5 (bg) | 0 | 1 | 92 | No | 22 | 90.91 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWA-6 (bg) | 0.000231 | 73 | 98 | No | 23 | 8.696 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWA-7 (bg) | 0 | 6 | 98 | No | 23 | 95.65 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWC-19 | 0.001276 | 75 | 98 | No | 23 | 0 | n/a | n/a | 0.01 | NP |
| Lithium (mg/L) | WGWC-20 | 0.004002 | 7 | 21 | No | 8 | 0 | n/a | n/a | 0.01 | NP |

Sen's Slope Estimator

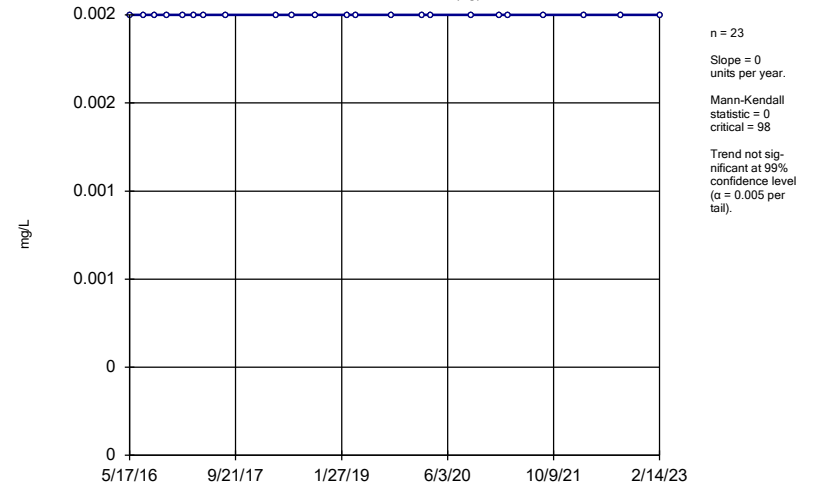
WGWA-1 (bg)



Constituent: Beryllium Analysis Run 4/20/2023 12:57 PM View: A4 Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

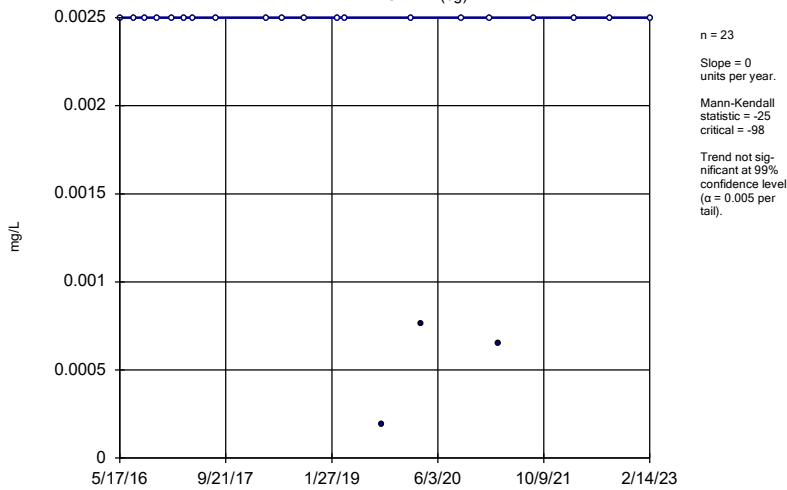
WGWA-18 (bg)



Constituent: Beryllium Analysis Run 4/20/2023 12:57 PM View: A4 Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

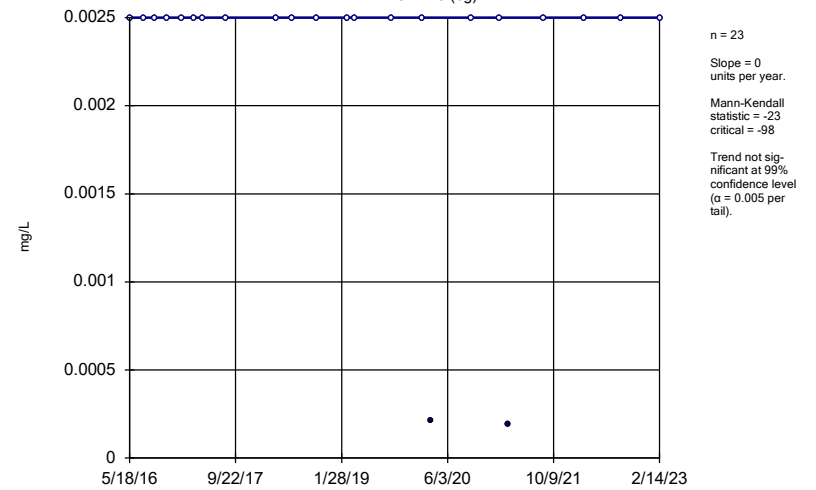
WGWA-2 (bg)



Constituent: Beryllium Analysis Run 4/20/2023 12:57 PM View: A4 Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

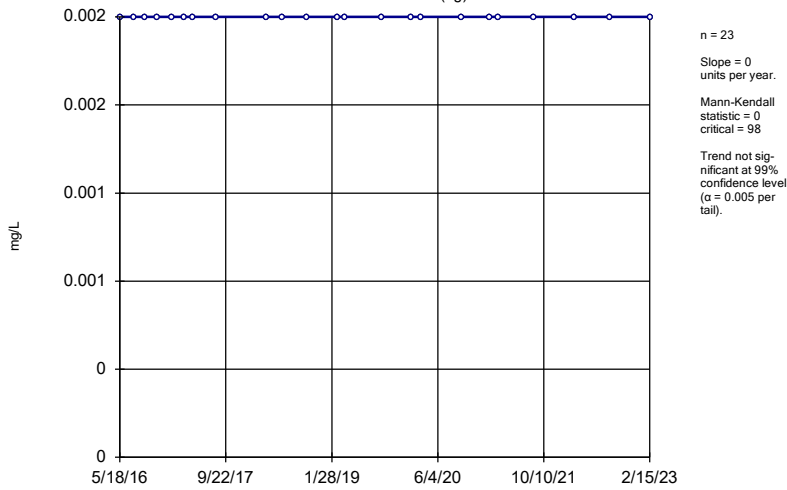
WGWA-3 (bg)



Constituent: Beryllium Analysis Run 4/20/2023 12:57 PM View: A4 Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

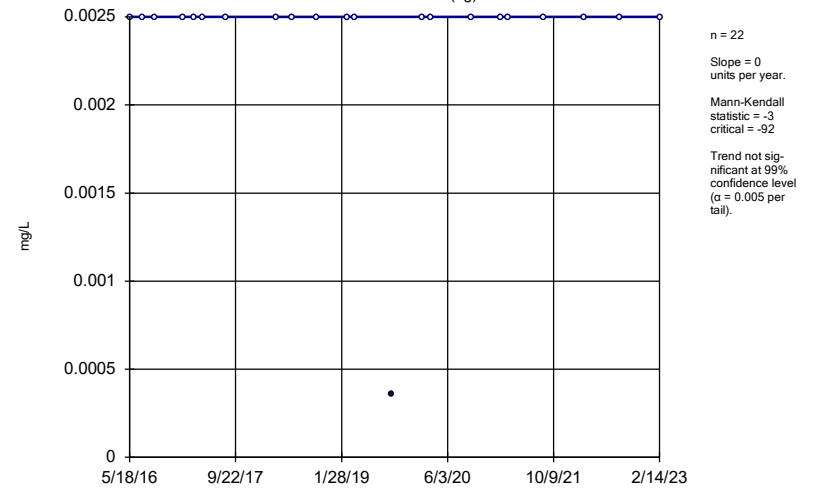
WGWA-4 (bg)



Constituent: Beryllium Analysis Run 4/20/2023 12:57 PM View: A4 Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

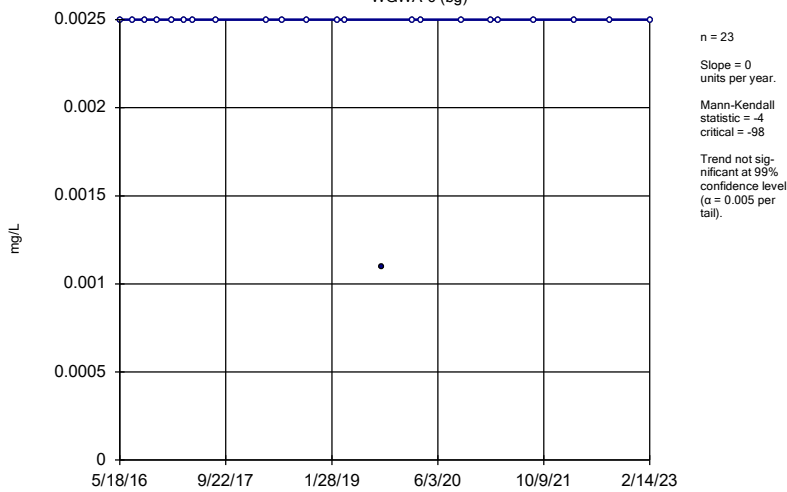
WGWA-5 (bg)



Constituent: Beryllium Analysis Run 4/20/2023 12:57 PM View: A4 Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

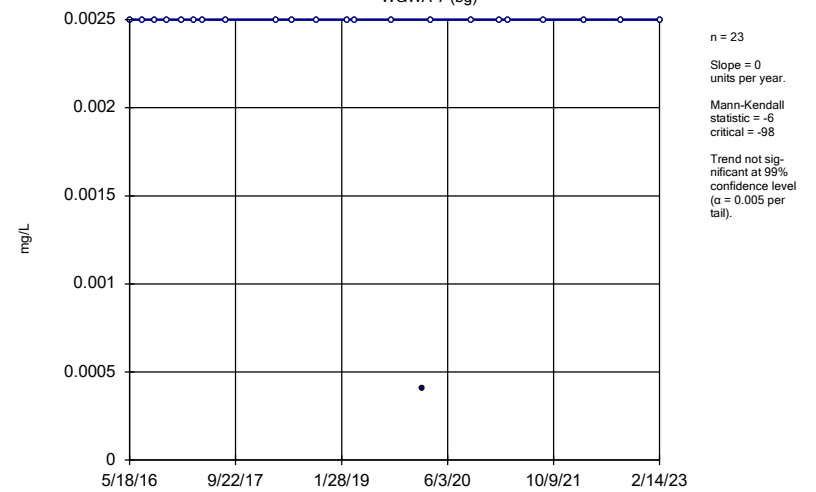
WGWA-6 (bg)



Constituent: Beryllium Analysis Run 4/20/2023 12:57 PM View: A4 Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

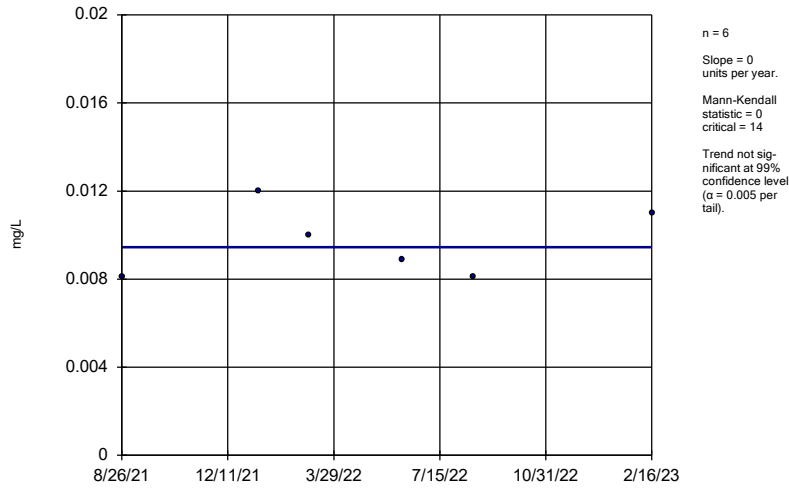
WGWA-7 (bg)



Constituent: Beryllium Analysis Run 4/20/2023 12:57 PM View: A4 Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

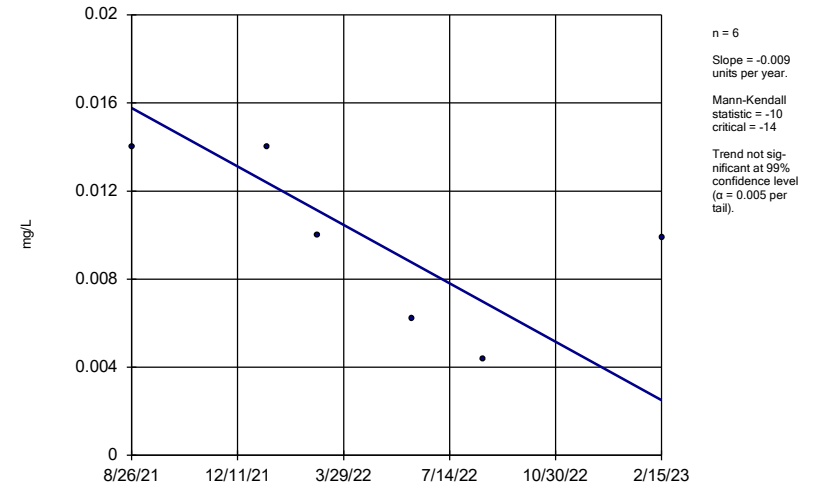
WGWC-20



Constituent: Beryllium Analysis Run 4/20/2023 12:57 PM View: A4 Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

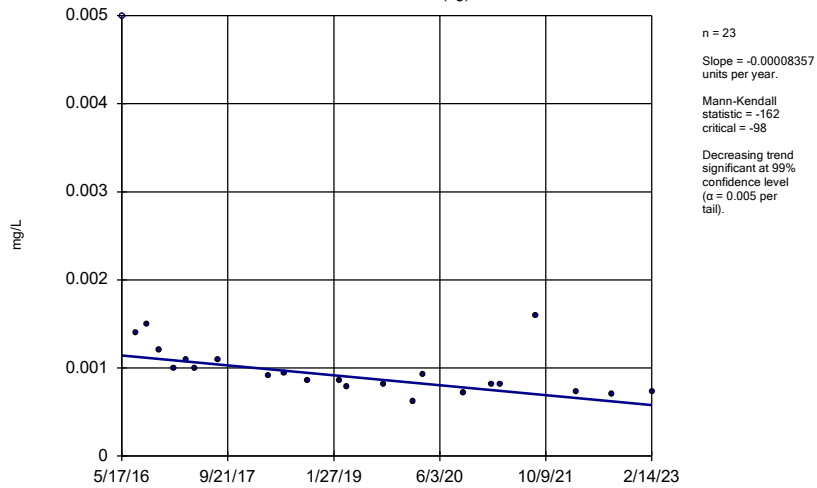
WGWC-24



Constituent: Beryllium Analysis Run 4/20/2023 12:57 PM View: A4 Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

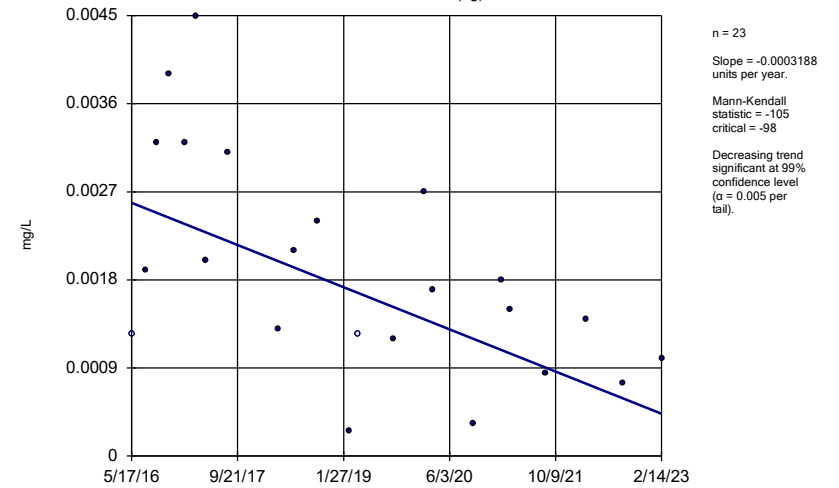
WGWA-1 (bg)



Constituent: Cobalt Analysis Run 4/20/2023 12:57 PM View: A4 Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

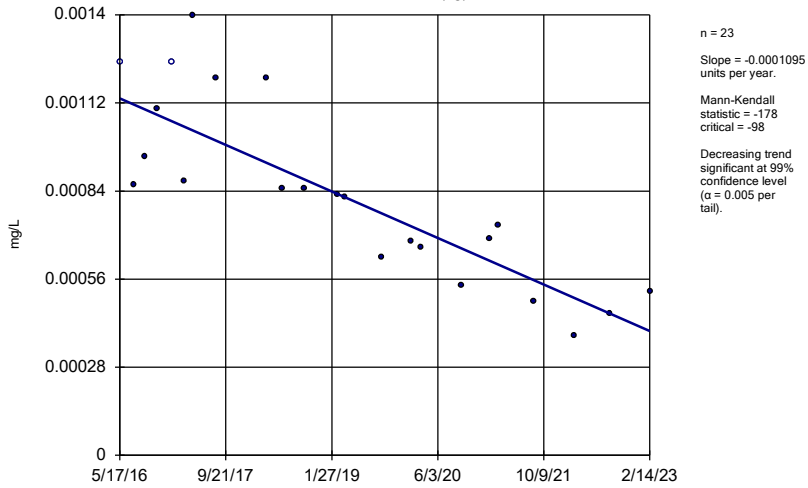
WGWA-18 (bg)

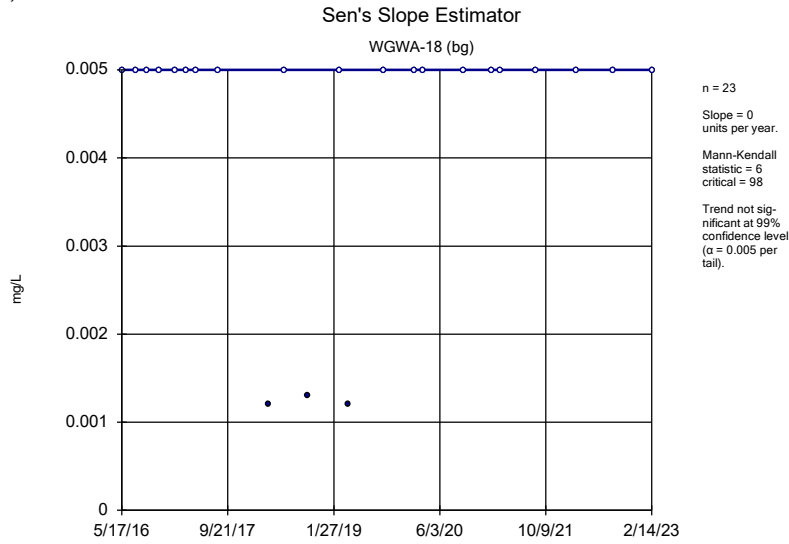


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Plant Wansley Client: Southern Company Data: Wansley Ash Pond

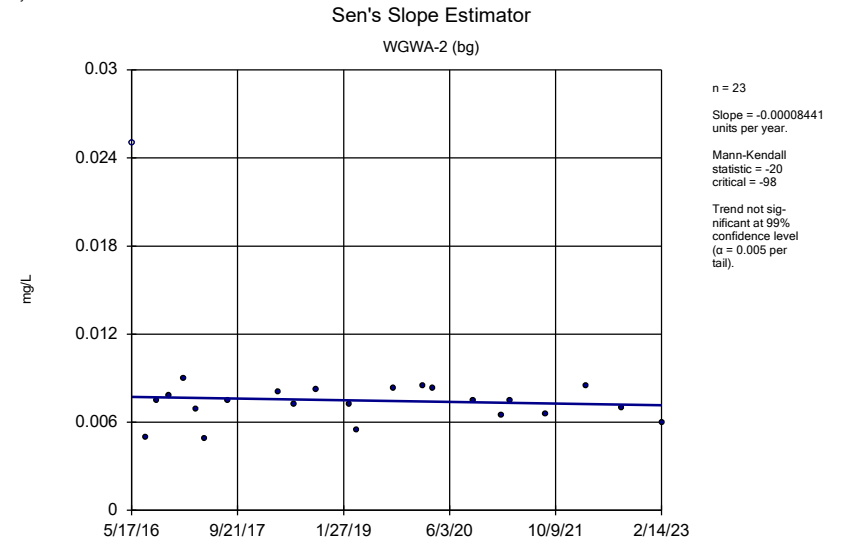
Sen's Slope Estimator

WGWA-2 (bg)

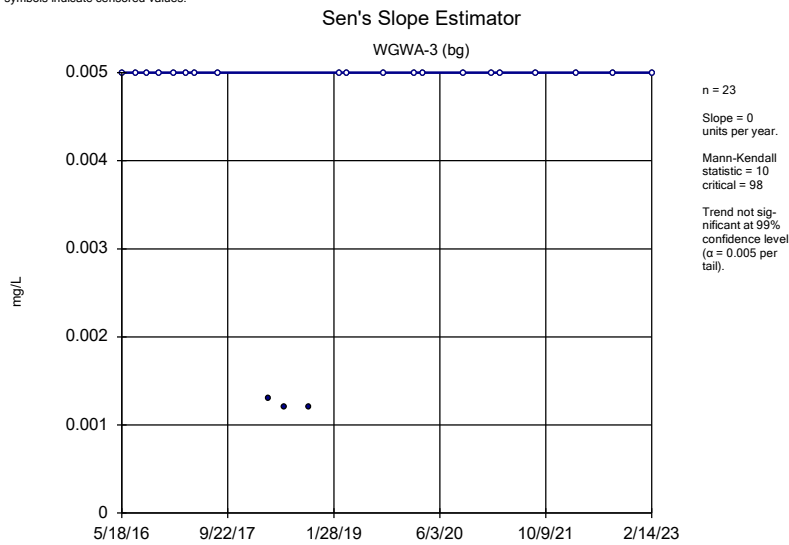




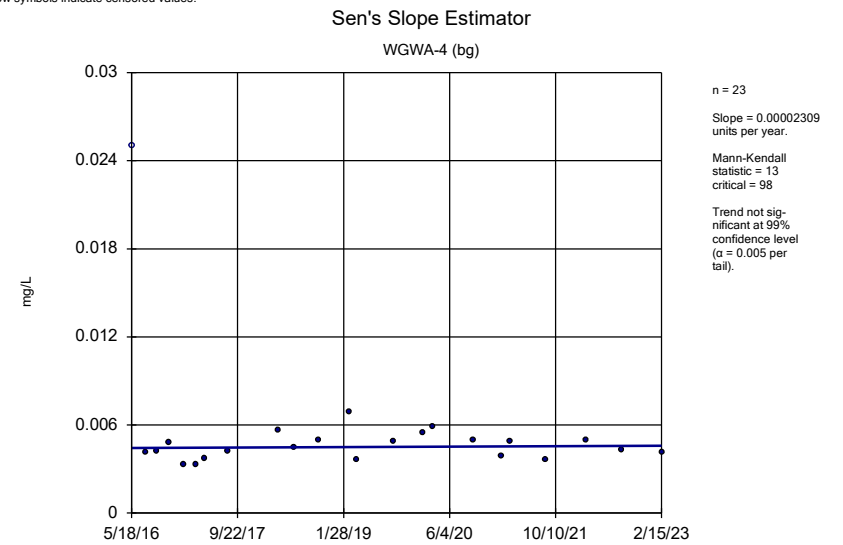
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Plant Wansley Client: Southern Company Data: Wansley Ash Pond



Constituent: Lithium Analysis Run 4/20/2023 12:58 PM View: A4 Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond



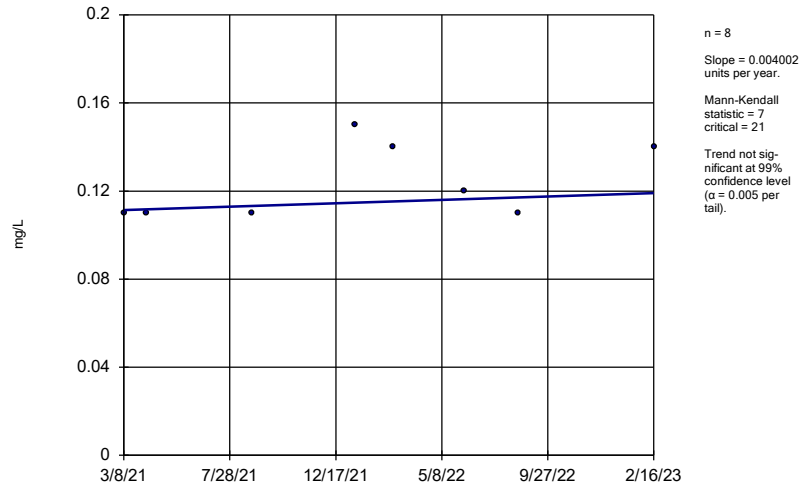
Constituent: Lithium Analysis Run 4/20/2023 12:58 PM View: A4 Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond



Constituent: Lithium Analysis Run 4/20/2023 12:58 PM View: A4 Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond

Sen's Slope Estimator

WGWC-20



Constituent: Lithium Analysis Run 4/20/2023 12:58 PM View: A4 Trend Test
Plant Wansley Client: Southern Company Data: Wansley Ash Pond