2025 SEMI-ANNUAL GROUNDWATER MONITORING REPORT

Plant Arkwright
Ash Pond 1 (AP-1) Landfill
Macon, Georgia

Febuary 27, 2026

Prepared for:

Georgia Power

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2025 Semi-Annual Groundwater Monitoring Report
Plant Arkwright Ash Pond 1 Landfill

CERTIFICATION STATEMENT

This *2025 Semi-Annual Groundwater Monitoring Report, Plant Arkwright, Ash Pond 1 Landfill* has been prepared in compliance with the Interim Groundwater Monitoring Plan submitted to the Georgia Environmental Protection Division on September 24, 2021. Plant Arkwright AP-1 Landfill closed according to Solid Waste Management Tracking Number 011-030D(LI) since July 30, 2010. This report has been prepared by a qualified groundwater scientist or engineer with Stantec Consulting Services 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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2/27/2026
Date

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Date

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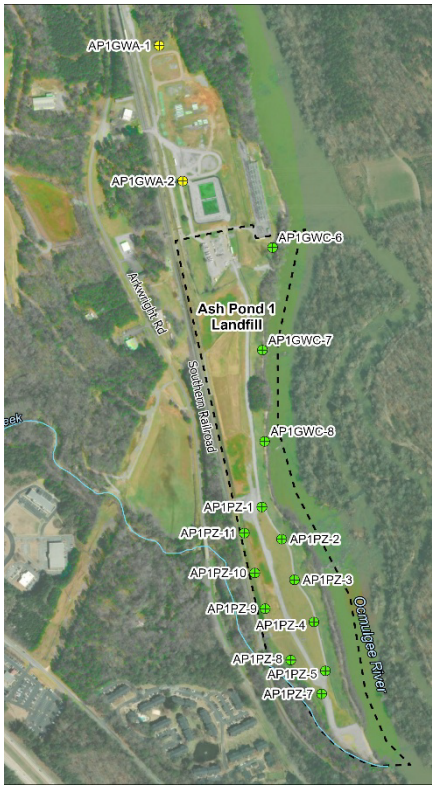
Executive Summary

is summary of the *2025 Semi-Annual Groundwater Monitoring Report* provides the status of the groundwater monitoring program from July 2025 through December 2025 at the Georgia Power Company (Georgia Power) former Plant Arkwright Ash Pond 1 (AP-1) Landfill. This summary was prepared by Stantec Consulting Services Inc. (Stantec) on behalf of Georgia Power.



Plant Arkwright Ash Pond 1 Landfill

Plant Arkwright is located in Bibb County, Georgia, approximately six miles northwest of the city of Macon. The plant address is 5241 Arkwright Road, Macon, Georgia 31210. The 31-acre AP-1 Landfill is located south of the former plant area and is bordered by the Ocmulgee River, Beaverdam Creek, and a Norfolk Southern Railroad line. When in operation, the coal-fired Plant Arkwright power plant consisted of four 40-megawatt units. In the years before retirement, the plant was used primarily to provide peaking power and operated approximately 40 to 60 days per year. Plant Arkwright was retired in 2002 and decommissioned in 2003. The AP-1 Landfill received a Closure Certificate on July 30, 2010, under Solid Waste Permit Number 011-030D(LI). AP-1 Landfill is currently in post-closure care.

A coal combustion residuals (CCR) unit solid waste handling permit application, dated November 2018, was submitted to the Georgia Environmental Protection Division (GA EPD) pursuant to the requirements of Georgia Administrative Code Rule 391-3-4-.10. Per the 2018 permit submittal, Georgia Power has elected to remove CCR material from AP-1 Landfill and place it in a lined landfill. The Groundwater Monitoring Plan, Revision 1, is a minor modification to Solid Waste Permit Number 011-030D(LI) and an interim plan, as requested by GA EPD on March 23, 2021, to be used until the new CCR unit solid waste handling permit is issued and a permanent groundwater monitoring system is established for AP-1 Landfill. Monitoring and reporting utilizing the existing interim groundwater monitoring network will be conducted on a semi-annual basis in accordance with the Groundwater Monitoring Plan until CCR removal activities require the interim piezometers to be abandoned. Groundwater monitoring at AP-1 Landfill has been initiated in order to meet GA EPD requirements.

During the 2025 semi-annual reporting period, Stantec conducted one semi-annual groundwater sampling event in August 2025. Samples were analyzed for the full suites of Appendix III and Appendix IV constituents listed in Title 40, Code of Federal Regulations, Part 257. In November 2025, three new piezometers (AP1GWC-6, AP1GWC-7, and AP1GWC-8) were installed at the AP-1 Landfill to supplement the site groundwater monitoring network. The new piezometers will be sampled during future groundwater monitoring events.

Georgia Power will continue semi-annual groundwater monitoring and reporting at the AP-1 Landfill. Reports will be provided to GA EPD semi-annually.

Acronyms / Abbreviations

40 CFR	Title 40 Code of Federal Regulations
AP-1	Ash Pond 1
CCR	Coal Combustion Residuals
District	Washington Slope District
DO	Dissolved Oxygen
GA EPD	Georgia Environmental Protection Division
GEL	GEL Laboratories LLC
Georgia Power	Georgia Power Company
mg/L	Milligrams per Liter
NELAP	National Environmental Laboratory Accreditation Program
ORP	Oxidation-Reduction Potential
Pace	Pace Analytical Services, LLC
PWR	Partially Weathered Rock
QA/QC	Quality Assurance/Quality Control
Site	Former Plant Arkwright Ash Pond 1 Landfill
Stantec	Stantec Consulting Services Inc.
US EPA	United States Environmental Protection Agency

1.0 Introduction

This *2025 Semi-Annual Groundwater Monitoring Report* has been prepared to document groundwater monitoring activities conducted at the Georgia Power Company (Georgia Power) Former Plant Arkwright Ash Pond 1 (AP-1) Landfill Site (Site).

Groundwater monitoring and reporting for Site are performed in accordance with the Interim Groundwater Monitoring Plan, Revision 1 (Jacobs 2021), submitted to Georgia Environmental Protection Division (GA EPD) on September 24, 2021. This interim plan is a minor modification to Solid Waste Permit Number 011-030D(LI), as requested by GA EPD on March 23, 2021. Per the 2018 Georgia Power Coal Combustion Residuals (CCR) permit submittal, Georgia Power has elected to remove CCR material from AP-1 Landfill and place it in a lined landfill. Groundwater monitoring at the Site will be conducted in accordance with this Interim Groundwater Monitoring Plan until the new CCR unit solid waste handling permit is issued and a permanent groundwater monitoring network is established for AP-1 Landfill. This 2025 semi-annual report documents the activities completed between July 2025 and December 2025. One groundwater monitoring event was conducted during this monitoring period in August 2025.

1.1 Site Description and Background

Plant Arkwright is located in Bibb County, Georgia, approximately six miles northwest of the city of Macon (**Figure 1**). The physical address of the plant is 5241 Arkwright Road, Macon, Georgia 31210. The 31-acre AP-1 Landfill is located south of the former plant area and is bordered by the Ocmulgee River, Beaverdam Creek, and a Norfolk Southern Railroad line (**Figure 2**). When in operation, the coal-fired Plant Arkwright power plant consisted of four 40-megawatt units. In the years before retirement, the plant was used primarily to provide peaking power and operated approximately 40 to 60 days per year. Plant Arkwright was retired in 2002 and decommissioned in 2003.

AP-1 Landfill was constructed prior to 1958 and was closed with 2 feet of soil cover and vegetation in 1990. Regrading and stabilization of the riverbank and creek bank occurred in two phases in 2004 and 2007. Additionally, the slopes and top of AP-1 Landfill were regraded by relocating CCR and placing additional cover soil (Jacobs 2018).

AP-1 Landfill received a Closure Certificate on July 30, 2010, under Solid Waste Permit Number 011-030D(LI) and is currently in post-closure care. A CCR unit solid waste handling permit application package for the AP-1 Landfill was submitted to GA EPD in November 2018 and is currently under review. To continue stabilization and streambank improvement of the AP-1 Landfill slope and to reduce the steepness of the slope along the south point of the AP-1 Landfill, the south point was excavated and regraded in late 2023 under GA EPD's approval of a minor modification. CCR materials were removed and transported to a CCR Stockpile within the Landfill footprint. The CCR Stockpile as well as the south point after CCR removal was subsequently graded and covered with suitable material in accordance with permit requirements. Activities were documented in the AP-1 South Point Slope Improvement CCR Removal and Cover Certification Report (Stantec 2024), which was submitted to GA EPD on April 26, 2024.

1.2 Regional Geology & Hydrogeologic Setting

The geology and hydrogeology of the Plant Arkwright Site are summarized below. The Plant Arkwright Site is located along the southern edge of the Washington Slope District (District) within the Piedmont Physiographic Province (Clark and Zisa 1976). The District is characterized by a gently undulating surface, which generally slopes to the south and southeast toward the Coastal Plain Physiographic Province located approximately 3.8 miles to the southeast of the Site.

Topography of the District ranges from approximately 700 feet above mean sea level in the areas of southern Atlanta and Athens to approximately 500 feet above mean sea level at its southern limit along the Georgia Fall Line. Streams follow the surface topography of the underlying crystalline rocks eastward toward the Ocmulgee River. Typically, relief throughout the District ranges between 50 and 100 feet. However, the greatest relief occurs along the Ocmulgee River where the elevation changes from 150 to 200 feet due to steep walled valleys (Clark and Zisa 1976). Ultimately, the area surface water flow is directed toward the Ocmulgee River.

Bedrock in the region is composed of moderate to high-grade metamorphic rocks, consisting of biotite-granite gneiss, schist, amphibolite, and igneous rocks like granite. In the southernmost Piedmont, around the Site, bedrock is predominantly composed of biotite gneiss. Major geologic structures in the region include the Ocmulgee fault, located approximately 7 miles northwest of the Site, which strikes mostly northeast – southwest. The top of bedrock surface is highly weathered and, where exposed, is generally soft and friable (LeGrand 1962).

1.2.1 Site Geology

The general geology beneath Plant Arkwright consists of clays, silty and sandy clays, silty sands, sandy silts, and minor gravel at depth, underlain by a silty sand saprolite and bedrock. Historical borings advanced at the Site indicate overburden thickness ranging from 22 to 62 feet, overlying a thin layer (5 to 10 feet) of partially weathered rock (PWR) above a more competent bedrock. The underlying bedrock consists of quartzofeldspathic gneiss, hornblende gneiss, and schist (Jacobs 2021).

1.2.2 Site Hydrogeology

The uppermost aquifer at the Site consists of saturated overburden, PWR, and upper bedrock. The overburden primarily consists of saprolitic soils and saprolite up to 36-feet thick. Where present the underlying PWR is typically thin, ranging from 1 to 5 feet thick. The PWR is underlain by upper bedrock that has little to no primary (intergranular) porosity as evident in the bedrock and little to no permeability. Accordingly, the observed ability of the upper bedrock to transmit groundwater is largely dependent on the presence and frequency of open fractures. The upper bedrock is characterized by an increased number of fractures immediately below the overburden/PWR and bedrock contact.

Comparison of recent AP-1 groundwater elevation data at adjacent overburden and shallow fractured bedrock piezometers show that groundwater elevations in the overburden and upper bedrock are nearly identical. This, in combination with observed weathering and discoloration in fracture zones at the bedrock contact, suggests that groundwater in the overburden and upper bedrock fractures is hydraulically connected and is considered to be under unconfined conditions. The interim piezometers were installed to

evaluate the uppermost occurrence of groundwater at the Site and form the groundwater monitoring system for AP-1 Landfill (**Figure 2**).

The top of the uppermost aquifer is defined by the (unconfined) water table surface present at depths of approximately 30 to 55 feet below ground surface within the AP-1 boundary. The water table surface is typically found within the native soil or saprolite horizons underlying AP-1. The bottom of the uppermost aquifer is competent bedrock below the upper bedrock zone of fractured and weathered bedrock.

Slug testing data from the current Site monitoring wells and piezometers reflects a range of hydraulic conductivities from 10^{-6} to 10^{-4} centimeters per second in the water table (overburden) hydrostratigraphic unit. Slug testing results include information presented in the Limited Hydrogeological Assessment Report (Jacobs 2018) and data collected from monitoring wells and piezometers subsequently installed. Groundwater level gauging data from the Site show stable water level trends, and the potentiometric surface map depicts groundwater flowing to the east, southeast, and northeast in the direction of the Ocmulgee River and Beaverdam Creek (**Figure 3**).

1.3 Groundwater Monitoring System

Georgia Power installed a temporary groundwater monitoring system within the uppermost aquifer at the Site. Wells and piezometers were located to serve as upgradient or downgradient monitoring points based on the groundwater flow direction (**Table 1**). The well and piezometer locations are depicted in **Figure 2**. Due to access constraints and safety concerns, downgradient piezometers at AP-1 Landfill were installed through CCR and will be removed during the closure by removal of the unit. A permanent groundwater monitoring system will be established following closure as noted in the 2018 CCR permit application.

2.0 Groundwater Monitoring Activities

The following describes monitoring-related activities performed between July 2025 and December 2025. Samples were collected from each of the wells and piezometers in the monitoring network depicted in **Figure 2**. In accordance with 40 CFR § 257.93, **Table 2** presents a summary of the groundwater sampling events completed for AP-1 Landfill during this monitoring period.

2.1 Well and Piezometer Installation and Maintenance

Wells and piezometers are inspected semi-annually to determine if 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)). Well inspection forms are included in **Appendix A**. In August 2025 the wells and piezometers were inspected. There was no need for corrective actions for the wells or piezometers at AP-1 Landfill during this reporting period, as documented in **Appendix A**.

In November 2025, three new piezometers (AP1GWC-6, AP1GWC-7, and AP1GWC-8) were installed at the AP-1 Landfill as part of the site groundwater monitoring network. Borings were advanced at three locations along the perimeter of AP-1, two at the toe of the slope near the Ocmulgee River bank and one at the crest of the slope. A piezometer was constructed and developed in each boring. Construction details for these piezometers are provided in **Table 1**, and the well installation report is included in **Appendix B**.

2.2 Surface Water Sampling

Due to the close proximity of Beaverdam Creek and the Ocmulgee River in the downgradient direction, Georgia Power proactively collected surface water samples. Surface water samples were collected from four locations along the Ocmulgee River and two locations along Beaverdam Creek in August 2025, as shown in **Figure 2**.

Surface water samples were analyzed for the full suites of 40 CFR Part 257 Appendix III and Appendix IV constituents.

The laboratory reports associated with the August 2025 sampling event are provided in **Appendix C**. Georgia Power will continue collecting the surface water samples semi-annually during interim groundwater monitoring.

3.0 Sample Methodology & Analyses

The semi-annual groundwater sampling event completed in August 2025 for AP-1 Landfill included sampling for the constituents listed in 40 CFR Part 257 Appendix III and Appendix IV. Groundwater analytical data and chain-of-custody records are located in **Appendix C**. The following sections describe methods used to conduct groundwater monitoring activities at the AP-1 Landfill.

3.1 Groundwater Elevation Measurements and Flow Direction

Prior to each sampling event, the static groundwater levels were measured in each well and piezometer at AP-1 Landfill. The water level indicator was properly decontaminated between each measurement. Groundwater elevations are summarized in **Table 3**. The recorded water level data were used to determine the groundwater elevations in each well and piezometer and develop potentiometric surface elevation contour map (**Figure 3**). Review of the figures indicates that the apparent groundwater flow direction in the uppermost aquifer is to the east, southeast, and northeast in the direction of the Ocmulgee River and Beaverdam Creek. This groundwater flow pattern is generally consistent with historical groundwater flow patterns.

3.2 Groundwater Gradient and Flow Velocity

The groundwater flow velocity at AP-1 Landfill was calculated using a derivation of Darcy's Law. Specifically,

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

Where:

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

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

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

$n_e =$ Effective porosity (unitless)

The general groundwater flow velocities were calculated for AP-1 Landfill based on hydraulic gradients, average hydraulic conductivity based on previous slug test data, and an estimated effective porosity of 0.20 for silty sand (based on a review of several sources, including Driscoll 1986; US EPA 1989; Freeze and Cherry 1979). The general groundwater flow velocity values based on August18, 2025, groundwater elevations are presented in **Table 4**. The results for groundwater flow velocities ranged from 0.0049 feet/day in the southern portion of the Site to 0.192 feet/day in the northeastern portion of the Site (1.8 and 70 feet/year, respectively). The observed groundwater flow velocities calculated for this monitoring event is generally consistent with expected velocities in the regolith-upper bedrock aquifers of the Georgia Piedmont.

3.3 Groundwater Sampling

Groundwater samples were collected in August 2025. Sampling procedures were conducted in accordance with U.S. Environmental Protection Agency (US EPA) Region 4 *Laboratory Services and Applied Science Division Operating Procedures for Groundwater Sampling* (LSASDPROC-301-R6; April 22, 2023). Wells and piezometers were purged and sampled using low-flow sampling procedures. Dedicated or non-dedicated low-flow pneumatic bladder or peristaltic pumps were used to purge and sample the wells. An In-Situ Aqua TROLL® 400 field instrument was used to monitor and record field water quality parameters (pH, conductivity, dissolved oxygen [DO], temperature, and oxidation-reduction potential [ORP]), and a Hach 2100Q was used to measure turbidity during well purging to verify stabilization prior to sampling.

Groundwater samples were collected when the following stabilization criteria were met for consecutive readings measured at 5-minute intervals.

- pH ± 0.1 Standard Units
- Specific conductance ± 5 %
- ± 10% for DO where DO > 0.5 milligrams per liter (mg/L). No criterion applies if DO < 0.5 mg/L
- Turbidity measurements less than five Nephelometric Turbidity Units (NTU)
- Temperature – Record only, not used for stabilization criteria
- ORP – Record only, not used for stabilization criteria

Once stabilization was achieved, samples were collected into appropriately preserved laboratory-supplied sample containers. Sample bottles were placed in ice-packed coolers and submitted to GEL Laboratories LLC (GEL) in Charleston, South Carolina, following chain-of-custody protocols. Stabilization logs and equipment calibration forms are included in **Appendix C**.

3.4 Surface Water Sampling

Surface water samples were collected in August 2024. Sampling was performed in accordance with US EPA Region 4 *Laboratory Services and Applied Science Division Operating Procedures for Surface Water Sampling* (LSASDPROC-201-R6; April 22, 2023).

Surface water samples were analyzed for the full suites of Title 40 Code of Federal Regulations (40 CFR) Part 257 Appendix III and Appendix IV constituents. Sample bottles were placed in ice-packed coolers and submitted to Pace Analytical Services, LLC (Pace) of Peachtree Corners, Georgia, following chain-of-custody protocol.

3.5 Laboratory Analyses

The groundwater samples were analyzed for 40 CFR Part 257 Appendix III and Appendix IV constituents. Laboratory analyses of the groundwater were performed by GEL, which is accredited by the National Environmental Laboratory Accreditation Program (NELAP) and maintains the NELAP accreditation for the constituents analyzed for this project. **Table 5** summarizes the groundwater analytical results, and the corresponding formal analytical reports are in **Appendix C**.

The August 2025 surface water samples were also analyzed for 40 CFR Part 257 Appendix III and Appendix IV constituents. Laboratory analyses of the surface water samples were performed by Pace, which is also a NELAP accredited laboratory. **Table 6** summarizes the surface water analytical results, and the corresponding formal analytical reports can be found in **Appendix C**.

3.6 Quality Assurance & Quality Control

During each sampling event, various quality assurance/quality control (QA/QC) samples were collected. Equipment blanks (where non-dedicated sampling equipment was used) were collected at a rate of one QA/QC sample per 10 groundwater samples to assess the adequacy of the decontamination process. Blind field duplicate samples were collected by filling additional containers at the same location during the sampling events at a rate of one QA/QC sample per 10 groundwater samples. Field blanks were also collected to evaluate ambient conditions at the sampling locations at a rate of one QA/QC sample per 10 groundwater samples.

QA/QC of the groundwater data were assessed by performing a data quality evaluation of the laboratory results reported. A data quality evaluation was conducted on the data using laboratory precision and accuracy and analytical method requirements (US EPA 2002). The data quality evaluations are included in **Appendix C**.

The analytical results provided in **Tables 5 and 6** provide concentrations from the August 2025 groundwater and surface water sampling event as reported by the laboratories. When values are followed by a “J” flag, this indicates that the value is an estimated analyte concentration detected between the method detection limit and the laboratory reporting limit. The estimated value is positively identified but is below the lowest level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions. Radium values followed by a “U” flag indicate that the constituent was not detected above the analytical minimum detectable concentration. The data are considered usable for meeting project objectives, and the results are considered valid.

4.0 Groundwater and Surface Water Results

The analytical data for the 40 CFR Part 257 Appendix III and IV constituents for the August 2025 groundwater monitoring event and surface water sampling event are summarized in **Table 5** and **Table 6**, respectively. The complete laboratory reports and field data sheets are included in **Appendix C**.

5.0 Monitoring Program Status

The AP-1 Landfill is currently in post-closure care. Groundwater monitoring has been initiated at the request of GA EPD. Georgia Power will continue routine groundwater monitoring and reporting at the Site. Reports will be submitted to the GA EPD semi-annually.

6.0 Conclusions & Future Actions

This *2025 Semi-Annual Groundwater Monitoring Report* was prepared to fulfill the requirements of the Interim Groundwater Monitoring Plan (Jacobs 2021). The AP-1 Landfill piezometers, monitoring wells, and surface water sampling locations were sampled in August 2025. The next semi-annual sampling event is scheduled for February 2026. The February 2026 semi-annual monitoring event will include sampling and analysis of the full suites of 40 CFR Part 257 Appendix III and IV constituents, including the newly installed wells in late 2025.

7.0 References

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US EPA, 2023, Laboratory Services and Applied Science Division Operating Procedures for Groundwater Sampling LSASDPROC-301-R6, April 22, 2023.

TABLES

Table 1
Summary of Piezometer Construction
Georgia Power Company
Plant Arkwright - Ash Pond 1 Landfill
Macon, Bibb County, Georgia

Well ID	Well Designation	Location	Northing	Easting	Ground Surface Elevation (feet)	Top of Casing Elevation (feet)	Top of Screen Elevation (feet)	Bottom of Screen Elevation (feet)	Total Well Depth from (Feet Below Top of Casing)	Groundwater Zone Screened	Installation Date
AP1GWA-1	Detection	Upgradient	1066048.91	2439462.98	342.28	345.44	318.58	308.58	36.61	Overburden/Bedrock	04/20/2018
AP1GWA-2	Detection	Upgradient	1065095.10	2439623.37	338.55	341.42	320.85	310.85	30.58	Overburden/Bedrock	04/20/2018
AP1PZ-1	Detection	Downgradient	1062799.79	2440164.34	335.92	338.97	261.92	251.92	87.62	Overburden/Bedrock	05/01/2021
AP1PZ-2	Detection	Downgradient	1062573.21	2440300.14	336.64	339.58	287.48	277.48	62.67	Bedrock	05/02/2021
AP1PZ-3	Detection	Downgradient	1062286.07	2440387.50	335.66	338.41	281.70	271.70	67.44	Overburden/Bedrock	05/04/2021
AP1PZ-4	Detection	Downgradient	1061989.86	2440520.65	334.98	338.36	281.44	271.44	67.42	Overburden	05/11/2021
AP1PZ-5	Detection	Downgradient	1061645.61	2440599.18	336.61	339.81	283.06	273.06	67.25	Overburden	05/13/2021
AP1PZ-7	Detection	Downgradient	1061483.62	2440573.47	337.56	340.91	273.70	263.70	72.70	Overburden	05/15/2021
AP1PZ-8	Detection	Downgradient	1061721.72	2440362.39	334.94	338.31	280.10	270.10	66.09	Overburden/PWR	05/16/2021
AP1PZ-9	Detection	Downgradient	1062083.33	2440187.59	334.14	337.62	291.40	281.40	57.35	Bedrock	05/17/2021
AP1PZ-10	Detection	Downgradient	1062334.74	2440116.05	335.07	338.38	292.40	282.40	56.48	Bedrock	05/19/2021
AP1PZ-11	Detection	Downgradient	1062615.94	2440044.48	335.78	338.98	276.20	266.20	73.30	Overburden	05/26/2021
AP1GWC-6	Detection	Downgradient	1064625.98	2440237.30	331.53	334.61	296.41	286.41	48.80	Overburden	11/17/2025
AP1GWC-7	Detection	Downgradient	1063904.02	2440168.21	305.53	305.66	293.07	283.07	23.19	Overburden	11/14/2025
AP1GWC-8	Detection	Downgradient	1063260.83	2440183.44	305.27	305.42	291.89	281.89	24.13	Overburden	11/13/2025

Notes:

Horizontal locations were referenced to Georgia State Plane West, North American Datum of 1983 (NAD 83).
Elevations shown are in datum NAVD88, which indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.
Well screen elevations are calculated by subtracting the depths to top and bottom of the well screen from the ground surface elevation.
PWR indicates Partially Weathered Rock.
AP1PZ-3 was resurveyed in 2023 after repair of damaged stick-up PVC casing and protective cover.
AP1GWC-6, AP1GWC-7, and AP1GWC-8 were surveyed on 12/29/2025.

Table 2
Groundwater Sampling Event Summary
Georgia Power Company
Plant Arkwright - Ash Pond 1 Landfill
Macon, Bibb County, Georgia

Well ID	Hydraulic Location	Well Designation	August 18 2025 - August 22 2025
			Assessment Event
Georgia Power Company - Plant Arkwright - Ash Pond 1 Landfill			
AP1GWA-1	Upgradient	Detection	X
AP1GWA-2	Upgradient	Detection	X
AP1PZ-1	Downgradient	Detection	X
AP1PZ-2	Downgradient	Detection	X
AP1PZ-3	Downgradient	Detection	X
AP1PZ-4	Downgradient	Detection	X
AP1PZ-5	Downgradient	Detection	X
AP1PZ-7	Downgradient	Detection	X
AP1PZ-8	Downgradient	Detection	X
AP1PZ-9	Downgradient	Detection	X
AP1PZ-10	Downgradient	Detection	X
AP1PZ-11	Downgradient	Detection	X

Notes:
X - Indicates well sampled during event

Table 3
Summary of Groundwater Elevations
Georgia Power Company
Plant Arkwright - Ash Pond 1 Landfill
Macon, Bibb County, Georgia

		August 2025	
Well ID	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
AP1GWA-1	345.44	24.01	321.43
AP1GWA-2	341.42	17.60	323.82
AP1PZ-1	338.97	44.58	294.39
AP1PZ-2	339.58	41.85	297.73
AP1PZ-3	338.57	42.81	295.76
AP1PZ-4	338.36	46.35	292.01
AP1PZ-5	339.81	48.24	291.57
AP1PZ-7	340.91	49.97	290.94
AP1PZ-8	338.31	46.09	292.22
AP1PZ-9	337.62	41.05	296.57
AP1PZ-10	338.38	39.31	299.07
AP1PZ-11	338.98	37.51	301.47

Notes:
Groundwater elevations were measured as depth to water from the top of casing (TOC).
Groundwater elevations are feet referenced to North American Vertical Datum of 1988 (NAVD88).

Table 4
Groundwater Flow Velocity Calculations
Georgia Power Company
Plant Arkwright - Ash Pond 1 Landfill
Macon, Bibb County, Georgia

Potentiometric Map Date	Location	Groundwater Elevations in Well Pairs (h_1, h_2) (feet)		Change in Elevation (Δh) (feet)	Distance Measured (L) (feet)	Hydraulic Gradient (i) (feet/foot)	Average Hydraulic Conductivity (K) (feet/day)	Estimated Effective Porosity (n_e)	Calculated Groundwater Flow Velocity (V) (feet/day)	Calculated Groundwater Flow Velocity (V) (feet/year)
August 18, 2025	AP1PZ-10 to AP1PZ-5	299.07	291.57	7.50	842	0.009	0.11	0.20	0.0049	1.8
	AP1PZ-11 to AP1PZ-1	301.47	294.39	7.08	222	0.032	1.20	0.20	0.192	70.0

Notes:

1. The geometric mean of the in-situ hydraulic conductivity (K) slug test values for AP1PZ-10 and AP1PZ-5 used for AP1PZ-10 to AP1PZ-5 calculation; the slug test K value for AP1PZ-11 used for the AP1PZ-11 to AP1PZ-1 calculation.
2. Effective porosity of 20% was selected for the silty sands / sandy silts overburden based on a review of several sources, including Driscoll, 1986; US EPA, 1989; Freeze and Cherry, 1979.

Table 5
Groundwater Analytical Data Summary
Georgia Power Company
Plant Arkwright - Ash Pond 1 Landfill
Macon, Bibb County, Georgia

	Sample Location	AP1GWA-1	AP1GWA-2	AP1PZ-1	AP1PZ-2	AP1PZ-3	AP1PZ-4	AP1PZ-5	AP1PZ-7
	Sample Date	08/18/2025	08/18/2025	08/18/2025	08/18/2025	08/18/2025	08/18/2025	08/18/2025	08/18/2025
ANALYTE	UNITS								
APPENDIX III									
Boron	mg/L	0.119	0.0198	0.345	0.415	1.52	3.93	7.34	3.39
Calcium	mg/L	15.7	4.75	31.7	161	397	390	584	346
Chloride	mg/L	1.44	1.94	2.05	3.05	5.26	5.22	9.38	6.24
Fluoride	mg/L	0.253	0.0531 J	0.0558 J	0.0706 J	< 0.165	0.175 J	0.281 J	0.168 J
pH, Field	SU	5.30	5.89	6.48	6.09	5.57	6.21	5.95	6.18
Sulfate	mg/L	51.8	1.33	96.6	593	1260	1360	1940	1330
TDS	mg/L	147	77.0	248	958	2040	2180	3060	2190
APPENDIX IV									
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	0.00354 J	< 0.00200
Barium	mg/L	0.0461	0.0318	0.0327	0.0229	0.0237	0.0284	0.0380	0.0251
Beryllium	mg/L	0.00141	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	0.000528 J	0.00117	< 0.000300	< 0.000300	< 0.000300
Chromium	mg/L	0.00400 J	0.00626 J	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Cobalt	mg/L	0.00499	< 0.000300	0.00124	0.115	0.0587	0.000764 J	0.0679	0.00281
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	0.000524 J	< 0.000500	< 0.000500
Lithium	mg/L	0.00926 J	< 0.00300	0.00398 J	0.0168	0.0605	0.00557 J	0.339	< 0.00300
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	0.000347 J	< 0.000200	0.000357 J	< 0.000200	0.000279 J	0.00383	0.0355	0.00155
Combined Radium 226 + 228	pCi/L	4.08	2.33	1.67 U	3.96	1.62 U	6.28	5.44	1.31 U
Selenium	mg/L	0.00315 J	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150
Thallium	mg/L	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600

Notes:

mg/L - milligrams per liter
pCi/L - picocuries per liter
SU - Standard Units
NA - Indicates not analyzed
TDS - Total dissolved solids
< - Indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U.
The MDC varies depending upon the sample amount and elapsed time of the measurement.
- Total radium in well PZ-11 has remained < 1.5 pCi/L and mostly below reporting limits until this event.
The next sampling event will confirm whether this value is an outlier or not

Table 5
Groundwater Analytical Data Summary
Georgia Power Company
Plant Arkwright - Ash Pond 1 Landfill
Macon, Bibb County, Georgia

		AP1PZ-8	AP1PZ-9	AP1PZ-10	AP1PZ-11
		08/19/2025	08/22/2025	08/19/2025	08/19/2025
AN					
APPENDIX III					
Boron	mg/L	2.93	0.771	0.360	0.130
Calcium	mg/L	310	76.0	67.3	25.6
Chloride	mg/L	3.52	4.10	7.06	1.38
Fluoride	mg/L	0.189 J	0.673	0.403	0.0633 J
pH, Field	SU	6.53	4.91	6.54	7.01
Sulfate	mg/L	643	288	157	45.1
TDS	mg/L	1350	530	434	197
APPENDIX IV					
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Barium	mg/L	0.0350	0.0261	0.0307	0.0210
Beryllium	mg/L	< 0.000200	0.00103	< 0.000200	< 0.000200
Cadmium	mg/L	0.000378 J	0.00147	< 0.000300	< 0.000300
Chromium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Cobalt	mg/L	0.000849 J	0.108	0.00111	< 0.000300
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Lithium	mg/L	0.00328 J	0.151	0.0260	< 0.00300
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	0.828	0.000396 J	0.000991 J	0.000785 J
Combined Radium 226 + 228	pCi/L	5.11	0.337 U	2.66	18.9
Selenium	mg/L	< 0.00150	< 0.00150	< 0.00150	< 0.00150
Thallium	mg/L	< 0.000600	< 0.000600	< 0.000600	< 0.000600

Notes:

mg/L - milligrams per liter
pCi/L - picocuries per liter
SU - Standard Units
NA - Indicates not analyzed
TDS - Total dissolved solids
< - Indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U.
The MDC varies depending upon the sample amount and elapsed time of the measurement.
- Total radium in well PZ-11 has remained < 1.5 pCi/L and mostly below reporting limits until this event.
The next sampling event will confirm whether this value is an outlier or not

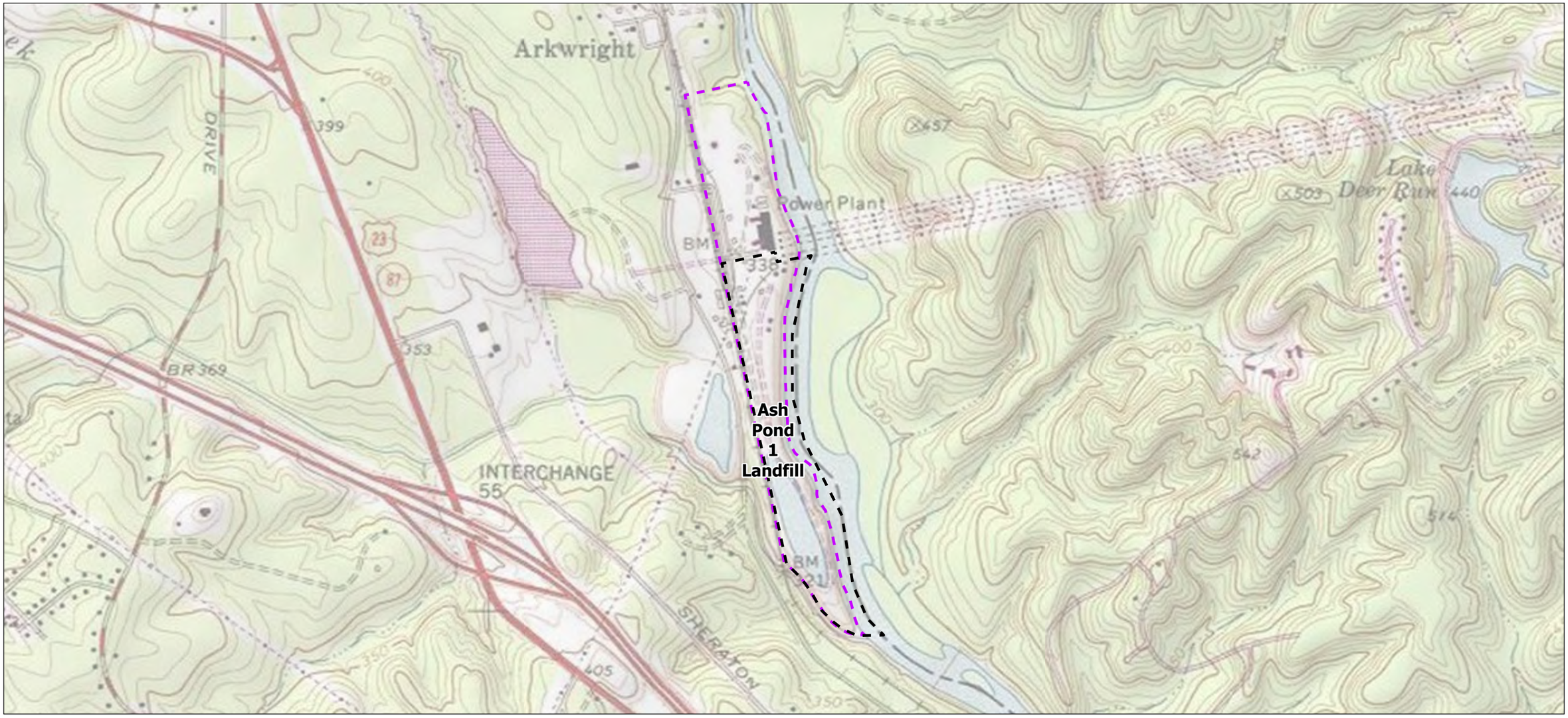
Table 6
Surface Water Analytical Data Summary
Georgia Power Company
Plant Arkwright - Ash Pond 1 Landfill
Macon, Bibb County, Georgia

Sample Location		OR-0.8	OR-0.3	OR-0.1	OR+0.25	BC-0.3	BC-0.1
Sample Date		08/19/2025	08/19/2025	08/19/2025	08/19/2025	08/18/2025	08/18/2025
ANALYTE	UNITS						
APPENDIX III							
Boron	mg/L	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Calcium	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	9.0	9.0
Chloride	mg/L	4.7	4.6	4.7	4.7	7.2	7.2
Fluoride	mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
pH, Field	SU	7.49	7.64	7.68	7.74	7.34	7.13
Sulfate	mg/L	6.4	6.4	6.5	6.5	5.6	6.3
TDS	mg/L	62.0	60.0	57.0	62.0	85.0	96.0
APPENDIX IV							
Antimony	mg/L	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Arsenic	mg/L	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Barium	mg/L	0.025	0.023	0.023	0.023	0.036	0.035
Beryllium	mg/L	< 0.00040	< 0.00040	< 0.00040	< 0.00040	< 0.00040	< 0.00040
Cadmium	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Chromium	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Cobalt	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Combined Radium 226 + 228	pCi/L	0.577 U	0.616 U	0.574 U	0.133 U	0.565 U	0.617 U
Lead	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Lithium	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Mercury	mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Molybdenum	mg/L	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Selenium	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Thallium	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050

Notes:

mg/L - milligrams per liter
pCi/L - picocuries per liter
SU - Standard Units
< - Indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U.
The MDC varies depending upon the sample amount and elapsed time of the measurement.

FIGURES



Notes
1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: Tax Parcel and AP-1 Landfill Boundary provided by Southern Company Services and Wood Environment & Infrastructure Solutions
3. Background: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Copyright:© 2013 National Geographic Society, i-cubed

Legend
- Ash Pond 1 Landfill Permit Boundary
- Ash Pond 1 Tax Parcel

0 1,000 2,000 Feet
(At original document size of 11x17)
1:12,000

N

Stantec

Georgia Power

Project Location
Macon, Georgia

Prepared by DMB on 10/29/2025
TR by AS on 10/29/2025
IR by JK on 10/29/2025

Client/Project 172609222
Georgia Power
2025 Semi-Annual Groundwater Monitoring Report
Plant Arkwright Ash Pond 1 Landfill

Figure No.
1

Title
Site Location Map

Notes

1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: AP-1 Boundary, Surface Water Samples, Piezometers, and Beaverdam Creek locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
3. Background: Source: Esri, Vantor, Earthstar Geographics, and the GIS User Community, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community. Plant imagery provided by client and is dated 6/24/2025.

Legend

- Detection Monitoring Well
- Piezometer
- Abandoned Piezometer
- Surface Water Sampling Location
- Beaverdam Creek
- Ash Pond 1 Landfill Permit Boundary
- Limit of Client Imagery (dated 6/24/2025)

AP1GWC-6, AP1GWC-7, and AP1GWC-8 installed in November 2025.

0 500 1,000 Feet

(At original document size of 11x17)
1:6,000

N

Stantec

Georgia Power

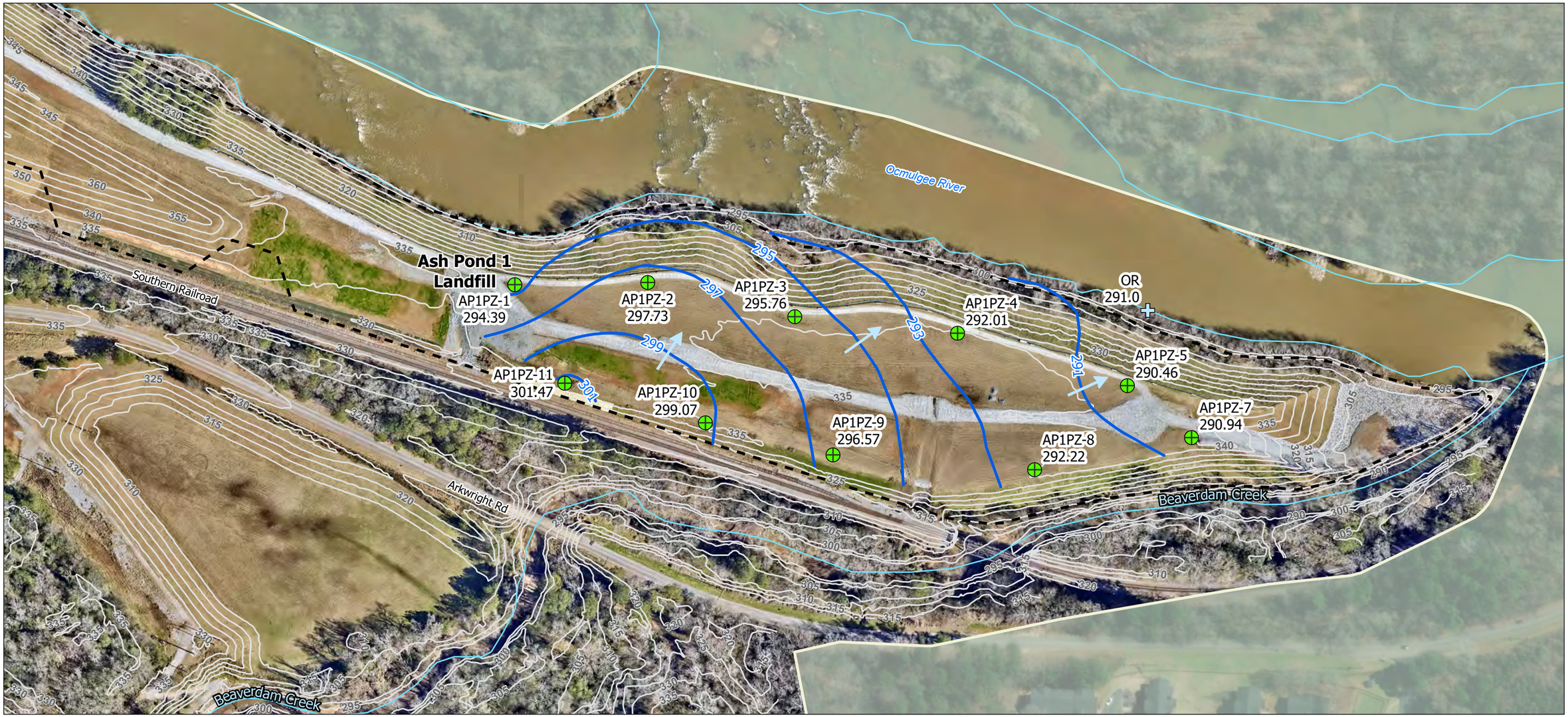
Project Location
Macon, Georgia

Prepared by DMB on 2/10/2026
TR by AS on 2/10/2026
IR by JK on 2/10/2026

Client/Project 172609222
Georgia Power
2025 Semi-Annual Groundwater Monitoring Report
Plant Arkwright Ash Pond 1 Landfill

Figure No.
2

Title
Detection Monitoring Well, Piezometer, and Surface Water Sample Locations Map



Notes
1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: AP-1 Boundary, Piezometers, Topography, and Beaverdam Creek provided by Southern Company Services and Wood Environment & Infrastructure Solutions; Groundwater Contours, Flow Arrow, and Ocmulgee River provided by Stantec
3. Background: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community. Plant imagery provided by client and is dated 6/24/2025.

Legend

- Gauge Location (Approximate)
- Piezometer Location
- Interpreted Groundwater Flow Direction
- Potentiometric Surface Contour (2-foot (ft) interval; feet (ft) NAVD88)
- Beaverdam Creek/Ocmulgee River (Approximate)
- Topographic Contour June 2025 (5 ft interval)
- Approximate Limits of Ash Pond 1 Landfill
- Limit of Client Imagery (dated 6/24/2025)

294.39 Groundwater Elevation (ft NAVD88)
AP1GWA-1 and AP1GWA-2 not included in contouring
NAVD88 - North American Vertical Datum of 1988

KATIE T. ROSS
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
No. 1775
2/27/26

0 200 400 Feet
(At original document size of 11x17)
1:2,400

N

Stantec

Georgia Power

Project Location
Macon, Georgia

Prepared by DMB on 10/29/2025
TR by AS on 10/29/2025
IR by JK on 10/29/2025

Client/Project 172609222
Georgia Power
2025 Semi-Annual Groundwater Monitoring Report
Plant Arkwright Ash Pond 1 Landfill

Figure No.
3

Title
Potentiometric Surface Contour Map
Ash Pond 1 Landfill - August 18, 2025

APPENDIX A
Well Inspections

Plant Arkwright Ash Pond 1 Well Inspection Form
August 19, 2025

Well ID:	Location/Identification				Protective Casing				
	Visible and accessible	Properly identified with correct well ID	Located in high traffic area; does the well require protection from traffic	Acceptable drainage around well (no standing water, not located in obvious drainage flow path)	Free from apparent damage and able to be secured	No degradation or deterioration	Functioning weep hole	Annular space clear of debris and water, or filled with pea gravel/sand	Locked and is the lock in good condition
AP-1									
AP1GWA-1	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
AP1GWA-2	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
AP1PZ-1	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
AP1PZ-2	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
AP1PZ-3	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
AP1PZ-4	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
AP1PZ-5	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
AP1PZ-7	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
AP1PZ-8	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
AP1PZ-9	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
AP1PZ-10	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
AP1PZ-11	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes

Well ID:	Surface Pad			Internal Casing			Corrective actions as needed, by date:
	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure	
AP-1							
AP1GWA-1	Yes	Yes	Yes	Yes	Yes	Yes	NA
AP1GWA-2	Yes	Yes	Yes	Yes	Yes	Yes	NA
AP1PZ-1	Yes	Yes	Yes	Yes	Yes	Yes	NA
AP1PZ-2	Yes	Yes	Yes	Yes	Yes	Yes	NA
AP1PZ-3	Yes	Yes	Yes	Yes	Yes	Yes	NA
AP1PZ-4	Yes	Yes	Yes	Yes	Yes	Yes	NA
AP1PZ-5	Yes	Yes	Yes	Yes	Yes	Yes	NA
AP1PZ-7	Yes	Yes	Yes	Yes	Yes	Yes	NA
AP1PZ-8	Yes	Yes	Yes	Yes	Yes	Yes	NA
AP1PZ-9	Yes	Yes	Yes	Yes	Yes	Yes	NA
AP1PZ-10	Yes	Yes	Yes	Yes	Yes	Yes	NA
AP1PZ-11	Yes	Yes	Yes	Yes	Yes	Yes	NA

APPENDIX B
Well Installation Report

Stantec Consulting Services Inc.
1150 Sanctuary Parkway Suite 425
Alpharetta GA 30009-0850

February 27, 2026

Attention: Mr. Joju Abraham, PG
Southern Company Services
241 Ralph McGill Blvd NE
Atlanta, GA 30308

Reference: AP-1 Piezometer Installation Report
Georgia Power Company – Plant Arkwright, Ash Pond 1
Macon, Bibb County, Georgia

Dear Mr. Abraham,

Stantec Consulting Services Inc. (Stantec) is submitting this Piezometer Installation Report to Southern Company Services, Inc. (SCS) and Georgia Power Company (Georgia Power), which documents the construction of three piezometers at Plant Arkwright in Macon, Georgia (Site). These piezometers were installed at a location adjacent to the Ocmulgee River to evaluate groundwater conditions down gradient of Ash Pond 1. The piezometer installation was completed to meet the requirements promulgated in the United States Environmental Protection Agency (US EPA) coal combustion residuals (CCR) rule [40 Code of Federal Regulations (CFR) Part 257, Subpart D], specifically 40 CFR §257.91(e)(1) and Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10. Well drilling and construction activities were performed in general accordance the most current version of the Region 4 U.S. Environmental Protection Agency (US EPA) Science and Ecosystem Support Division (SESD) Operating Procedure SESDGUID-101-R2 (US EPA 2018) as a general guide for best practices and the Official Code of Georgia Annotated (O.C.G.A.) §§ 12-5-120 — 12-5-138. The installation of the piezometers was conducted under the oversight and direction of Andreas Shoredits, a Georgia Registered Professional Geologist (PG), and completed in November 2025.

The piezometer construction details are included in Table 1, and their locations are shown on Figure 1. This report provides a summary of the drilling and installation activities for piezometers AP1GWC-6, AP1GWC-7, and AP1GWC-8. Field data such as boring logs, installation logs, piezometer development logs, and survey data were collected and are included as attachments to this report.

Piezometer Drilling Activities

Piezometers AP1GWC-6, AP1GWC-7, and AP1GWC-8 were drilled and installed by Stantec at the Site between November 12 and November 18, 2025.

An experienced Stantec geologist was present on Site to oversee and record the drilling and piezometer construction activities under the supervision of a professional geologist registered to practice in Georgia. Drilling methods employed for borehole advancement included rock coring drilling and hollow stem auger (HSA) techniques. The drilling equipment consisted of a CME 55 LCX track-mounted drilling rig, equipped with 4.25-inch hollow stem augers and PQ-3 wireline rock core tooling with diamond rock core bit. Drilling was conducted using HSA through the overburden and rock coring through the bedrock. A temporary 6.0-inch diameter steel outer-casing was installed into the overburden with the transition of boring advancement from unconsolidated materials into underlying bedrock. During drilling, disturbed samples of the overburden were collected using standard penetration testing (SPT) split-spoon samplers. For drilling in partially weathered rock and competent rock continuous core samples were collected. Samples were logged and photographed in the field for lithologic and soil strength properties. Subsurface boring logs are provided in Appendix A.

Piezometer Construction Activities

The piezometers were installed in the boreholes using factory-cleaned and sealed Schedule 40 polyvinyl chloride (PVC) products. Each well was constructed with a 10-foot section of 4-inch outer diameter (OD) and 2-inch inner diameter (ID), flush threaded, 0.010-inch factory-slotted PVC U-Pack screen. The annulus of the U-Pack screen section was filled with No. 10 filter sand. The screen was placed at the target depth based on the drilling termination depth. The remainder of the piezometer was constructed using 10-foot sections of 2-inch inner diameter (ID), flush-threaded, PVC casing riser. A flush-threaded PVC end cap was placed on the bottom of each piezometer to provide a sump/sediment trap. The top of the well casing for AP1GWC-6 was extended above ground surface, while AP1GWC-7 and AP1GWC-8 were fitted with flush-mount covers.

Following placement of the screen and casing, the annular space in the borehole adjacent to the screen was filled with No. 10 filter pack sand as appropriate for the formation. The filter pack sand was added to the borehole and extended to a minimum of two feet above the depth of the top of the screen. A filter pack seal, composed of hydrated 3/8-inch diameter coated bentonite pellets, was placed on top of the filter pack. Sand pack/ filter pack materials for the piezometer construction were tremied in place. Each bentonite seal was hydrated using potable water and allowed to cure overnight prior to any further construction activities being performed. After adequate hydration of the bentonite seal, the remaining annular space was grouted with an AquaGuard® bentonite grout 30% solids mixture to approximately two feet below ground surface using a tremie method.

The surface completions for AP1GWC-7 and AP1GWC-8 each consist of a flush mounted manhole with an 8-inch diameter bolt-down steel cover that is set into a 2-foot by 2-foot wide by 4-inch thick concrete well pad. The well head is capped with a locking well plug. The surface completion for AP1GWC-6 consists of a locked 6-inch diameter steel protective casing and a 3-foot by 3-foot wide by 4-inch thick concrete well pad. The well head is capped with a locking well plug.

Construction details for the piezometers are shown on the piezometer installation logs in Appendix B.

Piezometer Development Activities

Development activities for the newly installed piezometers were initiated on December 18, 2025, and completed on December 19, 2025. Piezometer development activities were performed by Stantec in general accordance with the US EPA Science and Ecosystem Support Division (SESD) Design and Installation of Piezometers (SESDGUID-101-R2, January 2018). The sump was initially surged to resuspend any settled material at the bottom of each well, after which the length of the screen interval was over-pumped using a Reclaimer pump system.

During development activities, water quality measurements of pH, temperature, specific conductance, oxidation-reduction potential (ORP), and dissolved oxygen (DO) were conducted utilizing a calibrated In-Situ brand AquaTroll® 400 multiparameter probe. Turbidity was measured using a Hach 2100Q portable turbidity meter. Final turbidity values below 10 nephelometric turbidity units (NTUs) were achieved during development of AP1GWC-6, AP1GWC-7, and AP1GWC-8, and an adequate volume of groundwater had been removed to achieve stable water chemistry parameters. Water level measurements were collected using a decontaminated electronic water level indicator, referenced to a permanent marking at the top of the casing (black mark) and recorded to within 0.01 foot. Piezometer development forms and calibration logs are included in Appendix C and geochemical data measured during development are summarized in Table 2.

Piezometer Survey

The newly installed piezometers were surveyed on December 29, 2025, by Metro Engineering & Surveying Co., a land surveyor registered in the state of Georgia. The survey was completed with a positional tolerance of 0.50-foot for horizontal and 0.01-foot for vertical measurements. The top of the PVC casing was surveyed. Surveyed coordinates and elevations are presented on the subsurface boring log (Appendix A), and piezometer installation log (Appendix B), and in Table 1. The certified surveyor's report is attached as Appendix D.

Closing

Stantec appreciates the opportunity to assist SCS and Georgia Power with this project. Should you have any questions or require additional information, please contact the undersigned.

Respectfully,

Andreas Shoredits, P.G.
Geologist
Andreas.Shoredits@stantec.com
(470) 371-9727

Jennifer L Kolbe, Ph.D., P.E.
Senior Principal
jennifer.kolbe@stantec.com
(765) 418-8953

Attachments:

Table 1 – Piezometer Construction Summary
Table 2 – Piezometer Development Summary
Figure 1 – Piezometer Locations
Appendix A – Subsurface Boring Logs
Appendix B – Piezometer Installation Logs
Appendix C – Piezometer Development Forms
Appendix D – Certified Piezometer Survey
Appendix E – Stantec Drilling Bond

CERTIFICATION STATEMENT

I certify that I am a qualified ground-water scientist who has received a baccalaureate or post-graduate degree in the natural sciences and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgements regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared by myself or by a subordinate working under my direction. We certify that the information included is to the best of our knowledge and belief, true, accurate and complete.

Andreas Shoredits, P.G.
Geologist

February 27, 2026
Date

ATTACHMENTS

TABLES

Table 1
Piezometer Construction Summary
Georgia Power Company
Plant Arkwright - Ash Pond 1
Macon, Bibb County, GA

Well	Installation Date	Northing[1]	Easting[1]	Top of Casing Elevation (feet)[2]	Ground Surface Elevation (feet)[2]	Top of Screen Elevation (feet)[3]	Screen Bottom Elevation (feet)[3]	Screen Length (feet)	Total Well Depth (feet bls)[4]	Groundwater Zone Screened	Hydraulic Location
Piezometer [5]											
AP1GWC-6	11/17/2025	1064625.98	2440237.30	334.61	331.53	296.41	286.41	10.0	45.72	Overburden	Downgradient
AP1GWC-7	11/14/2025	1063904.02	2440168.21	305.66	305.53	293.07	283.07	10.0	23.06	Overburden	Downgradient
AP1GWC-8	11/13/2025	1063260.83	2440183.44	305.42	305.27	291.89	281.89	10.0	23.98	Overburden	Downgradient

Notes:
bls - Below land surface
[1] Horizontal locations referenced to Georgia State Plane West, North American Datum of 1983 (NAD83).
[2] Vertical elevations are referenced to North American Vertical Datum of 1988 (NAVD88).
[3] Screen elevations calculated using surveyed Ground Surface Elevations together with well drilling and construction logs.
[4] Well depth based on well drilling and construction logs.
[5] Well top of casing and ground surface surveyed by Metro Engineering & Surveying Co., Inc. land surveyors on December 29, 2025.

Table 2
Piezometer Development Summary
Georgia Power Company
Plant Arkwright - Ash Pond 1
Macon, Bibb County, GA

Well	Date Started	Date Finished	Development Method/ Equipment	Measured Total Depth of Well (feet bTOC)	Initial Water Level (feet bTOC)	Final Water Level (feet bTOC)	Total Volume Removed (L)	pH (SU)	Specific Conductance (µS/cm)	Temp (°C)	Turbidity (NTU)	ORP (mV)	DO (mg/L)
AP1GWC-6	12/18/2025	12/18/2025	Over-pumping/ Reclaimer Pump	48.8	30.95	31.41	76	6.08	357	19.48	8.38	80.9	1.24
AP1GWC-7	12/19/2025	12/19/2025	Over-pumping/ Reclaimer Pump	23.2	11.57	11.68	76	5.67	412	19.80	9.44	117.4	1.68
AP1GWC-8	12/19/2025	12/19/2025	Over-pumping/ Reclaimer Pump	24.1	11.65	12.05	76	5.54	1,689	17.92	0.49	113.0	1.20

Notes:

bTOC - below Top of Casing
L - liters
SU - Standard Units
µS/cm - microsiemens per centimeter
°C - degrees Celsius
NTU - nephelometric turbidity units
mV - millivolts
mg/L - milligrams per liter
ORP - oxidation-reduction potential
DO - dissolved oxygen
Temp - Temperature

FIGURE

Legend

- New Piezometer
- Piezometer
- Abandoned Piezometer
- Boring
- Beaverdam Creek
- Ash Pond 1 Landfill Permit Boundary
- Limit of Client Imagery (dated 6/24/2025)

0 300 600 Feet

(At original document size of 11x17)
1:3,600

N

Stantec

Georgia Power

Project Location
Macon, Georgia

Prepared by DMB on 1/21/2026
TR by AS on 1/21/2026
IR by JK on 1/21/2026

Client/Project 172609222
Georgia Power
AP-1 Piezometer Installation Report
Plant Arkwright Ash Pond 1 Landfill

Figure No.
1

Title
Piezometer Locations

Notes
1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: AP-1 Boundary, Surface Water Samples, Piezometers, and Beaverdam Creek locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
3. Background: Source: Esri, Vantor, Earthstar Geographics, and the GIS User Community, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community. Plant imagery provided by client and is dated 6/24/2025.

APPENDIX A

Subsurface Boring Logs

SUBSURFACE LOG

Client Borehole ID: AP1GWC-6
Stantec Boring No.: **AP1GWC-6**
Client: Southern Company Services - Georgia Power
Boring Location: N 1064625.98, E 2440237.30
Project Number: 172609222
Surface Elevation: 331.5 ft
Elevation Datum: NAVD88
Project Name: Plant Arkwright Ash Pond 1
Date Started: 11/16/25
Completed: 11/18/25
Project Location: Plant Arkwright
Depth to Water: 26.6 ft
Date/Time: 11/17/25
Inspector: Devon Abuan
Logger: Devon Abuan
Depth to Water: 30.6 ft
Date/Time: 11/19/25
Drilling Contractor: Stantec Consulting Services Inc.
Drill Rig: CME 55 LCX
Driller: D. Clements
Overburden Drilling and Sampling Tools (Type and Size): 4-1/4" HSA, 2" SS w/o liners
Rock Drilling and Sampling Tools (Type and Size): PQ-3 Wireline, Split Barrel, Impregnated Bit
Sampler Hammer Type: Automatic
Weight: 140 lbs
Drop: 36"
Efficiency: N/A
Borehole Azimuth: N/A (Vertical)
Borehole Inclination (from Vertical): Vertical

Lithology Depth Ft	Lithology Elevation	Description	Overburden: / Rock Core:	Sample Run	Depth Ft Run Ft	Rec. Ft Rec. Ft	Blows/PSI Rec. %	Remarks
0.0	331.5	Top of Hole						
0.5	331.0	GRAVELLY POORLY GRADED SAND, SP, grayish brown, coarse, non-plastic, subangular, root trace		SS01	0.0 - 1.5	1.5	7-9-11	
1.5	330.0	GRAVELLY POORLY GRADED SAND WITH CLAY, SP-SC, red brown, coarse, non-plastic, subangular, clay increasing with depth, [FILL]		SS02	1.5 - 3.0	1.2	7-7-7	
		GRAVELLY POORLY GRADED SAND WITH SILT LITTLE CLAY, SP-SC, red brown to light gray, medium to coarse, non-plastic, dry, subrounded, clay decreasing with depth, trace mica		SS03	3.0 - 4.5	1.3	5-5-4	
				SS04	4.5 - 6.0	1.1	3-2-2	
				SS05	6.0 - 7.5	1.5	1-1-1	
				SS06	7.5 - 9.0	1.0	1-3-3	
				SS07	9.0 - 10.5	1.2	2-1-2	
10.5	321.0	Drilled without sampling.						

SUBSURFACE LOG

Client Borehole ID: AP1GWC-6
Client: Southern Company Services - Georgia Power
Project Number: 172609222

Stantec Boring No.: **AP1GWC-6**
Boring Location: N 1064625.98, E 2440237.30
Surface Elevation: 331.5 ft
Elevation Datum: NAVD88

Lithology Depth Ft	Lithology Elevation	Description	Overburden: / Rock Core:	Sample Run	Depth Ft Run Ft	Rec. Ft Rec. Ft	Blows/PSI Rec. %	Remarks
12.5	319.0	Drilled without sampling. *(Continued)*						
13.5	318.0	POORLY GRADED SAND LITTLE CLAY, SP, red brown, coarse, non-plastic, dry, micaceous, clay increasing with depth		SS08	12.5 - 14.0	1.2	WH-WH-2	
14.0	317.5	SANDY SILT TRACE CLAY, ML, red brown, fine to medium, non-plastic to low plasticity, moist, micaceous, spots of dark minerals						
15.0	316.5	Drilled without sampling.						
15.5	316.0	SANDY SILT TRACE CLAY, ML, red brown, fine to medium, non-plastic to low plasticity, moist, micaceous, spots of dark minerals		SS09	15.0 - 16.5	1.5	1-1-3	
16.5	315.0	POORLY GRADED SAND, SP, light reddish brown, medium to coarse, non-plastic, moist, micaceous						
17.5	314.0	Drilled without sampling.						
		POORLY GRADED SAND, SP, light reddish brown to light brown, very fine to coarse, non-plastic, loose, moist, micaceous		SS10	17.5 - 19.0	1.5	1-1-2	
				SS11	20.0 - 21.5	1.5	1-2-3	
21.5	310.0							
22.5	309.0	Drilled without sampling.						
		CLAYEY SILT, ML, fine, non-plastic to low plasticity, moist, homogeneous, micaceous		SS12	22.5 - 24.0	1.5	3-3-5	
24.0	307.5							
25.0	306.5	Drilled without sampling.						
		SILTY SAND TRACE CLAY, SM, light reddish brown to light brown, fine, non-plastic, dense, moist, micaceous		SS13	25.0 - 26.5	1.5	2-2-2	
26.5	305.0							
		Drilled without sampling.						

SUBSURFACE LOG

Client Borehole ID AP1GWC-6
Client Southern Company Services - Georgia Power
Project Number 172609222

Stantec Boring No. **AP1GWC-6**
Boring Location N 1064625.98, E 2440237.30
Surface Elevation 331.5 ft Elevation Datum NAVD88

Lithology Depth Ft	Lithology Elevation	Description	Overburden: / Rock Core:	Sample Run	Depth Ft Run Ft	Rec. Ft Rec. Ft	Blows/PSI Rec. %	Remarks
27.5	304.0	Drilled without sampling. *(Continued)*						
29.0	302.5	SILTY SAND TRACE CLAY, SM, light brown, fine, non-plastic to low plasticity, moist, dark streaks, possible redox at 27.5-28.0'		SS14	27.5 - 29.0	1.5	1-2-2	
30.0	301.5	Drilled without sampling.						
31.5	300.0	POORLY GRADED SAND WITH GRAVEL, SP, light gray to light brown, very fine to coarse, non-plastic, moist, micaceous, possible sarolitic soil, small gravel possibly quartz		SS15	30.0 - 31.5	1.5	4-7-8	
33.0	298.5	Drilled without sampling.						
34.5	297.0	GRAVELLY POORLY GRADED SAND, SP, light brownish gray to dark brown, coarse, non-plastic, moist, micaceous saprolitic soils and pyrite, quartz gravel lense at ~33.2, small to medium angular to subangular gravel		SS16	33.0 - 34.5	1.0	9-13-20	
36.0	295.5	Drilled without sampling.						
37.5	294.0	POORLY GRADED SAND, SP, white to black, very fine to coarse, non-plastic, moist, laminated, interbedded saprolitic soils (grey, brown, white, and black), partially weathered rock, and black spots of redox		SS17	36.0 - 37.5	1.5	29-40-44	
39.0	292.5	Drilled without sampling.						
39.7	291.8	POORLY GRADED SAND, SP, white to black, very fine to coarse, non-plastic, wet, laminated, interbedded saprolitic soils (grey, brown, white, and black), partially weathered rock, and black spots of redox		SS18	39.0 - 39.7	0.7	29-7-50/4/-4"	Began Core Auger refusal at 39.7'
		No recovery						6.0" temporary steel outer casing installed to 41.5'

SUBSURFACE LOG

Client Borehole ID: AP1GWC-6
Stantec Boring No.: **AP1GWC-6**
Client: Southern Company Services - Georgia Power
Boring Location: N 1064625.98, E 2440237.30
Project Number: 172609222
Surface Elevation: 331.5 ft
Elevation Datum: NAVD88

Lithology Depth Ft	Lithology Elevation	Description	Overburden: / Rock Core:	Sample Run	Depth Ft Run Ft	Rec. Ft / Rec. Ft	Blows/PSI / Rec. %	Remarks
42		No recovery *(Continued)*		RC01	39.7 - 46.0	0.0	0	
43								
44								
45								
46	285.5							
46.0		Gneiss, black and white, coarse grained, very hard, slightly weathered, micaceous, biotite, defined bands contain pyrite, thinly foliated		RC02	46.0 - 50.0	3.5	88	
47								
48								
49								
50	281.5							
50.0		Bottom of Hole at 50.0 Ft.						

Top of Rock = 39.7 Ft.
Top of Rock Elevation = 291.8 Ft.
Begin Core = 39.7 Ft.

SUBSURFACE LOG

Client Borehole ID	AP1GWC-7	Stantec Boring No.	**AP1GWC-7**
Client	Southern Company Services - Georgia Power	Boring Location	N 1063904.02, E 2440168.21
Project Number	172609222	Surface Elevation	305.5 ft
Elevation Datum	NAVD88		
Project Name	Plant Arkwright Ash Pond 1	Date Started	11/14/25
Completed	11/15/25		
Project Location	Plant Arkwright	Depth to Water	15.0 ft
Date/Time	11/14/25		
Inspector	Devon Abuan	Logger	Devon Abuan
Depth to Water	11.7 ft	Date/Time	11/19/25
Drilling Contractor	Stantec Consulting Services Inc.	Drill Rig	CME 55 LCX
Driller	D. Clements		

Overburden Drilling and Sampling Tools (Type and Size): 4-1/4" HSA, 2" SS w/o liners

Rock Drilling and Sampling Tools (Type and Size): PQ-3 Wireline, Split Barrel, Impregnated Bit

Sampler Hammer Type: Automatic | Weight: 140 lbs | Drop: 36" | Efficiency: N/A

Borehole Azimuth: N/A (Vertical) | Borehole Inclination (from Vertical): Vertical

Lithology Depth Ft	Lithology Elevation	Description (Overburden: / Rock Core:)	Sample Run	Depth Ft Run Ft	Rec. Ft Rec. Ft	Blows/PSI Rec. %	Remarks
0.0	305.5	Top of Hole					
0.7	304.8	topsoil, roots present	SS01	0.0 - 1.5	0.6	WH-1-3	
2.7	302.8	SANDY SILT TRACE CLAY, ML, red brown, fine, non-plastic to low plasticity, dry, micaceous	SS02	1.5 - 3.0	0.7	1-2-3	
6.0	299.5	SILTY SAND, SM, light reddish brown and dark grayish brown, fine, non-plastic, dry to moist, sediments comingled with fly ash, micaceous	SS03 SS04	3.0 - 4.5 4.5 - 6.0	0.8 0.9	2-2-3 2-2-3	Fly ash lens
7.5	298.0	Drilled without sampling					
8.1	297.4	SILTY SAND, light brown, fine, non-plastic, moist, micaceous	SS05	7.5 - 9.0	1.5	1-2-1	Fly ash lens
8.7	296.8	SILT, bluish gray, fine, non-plastic, moist, fly ash lens					
9.0	296.5	POORLY GRADED SAND, red brown to light brown, fine, non-plastic, moist					
10.0	295.5	Drilled without sampling					
11.5	294.0	SILTY POORLY GRADED SAND, dark brown to light reddish brown, fine to medium, non-plastic, moist, micaceous	SS06	10.0 - 11.5	1.5	1-1-2	
		Drilled without sampling					

SUBSURFACE LOG

Client Borehole ID: AP1GWC-7
Client: Southern Company Services - Georgia Power
Project Number: 172609222

Stantec Boring No.: **AP1GWC-7**
Boring Location: N 1063904.02, E 2440168.21
Surface Elevation: 305.5 ft
Elevation Datum: NAVD88

Lithology Depth Ft	Lithology Elevation	Description	Overburden: / Rock Core:	Sample Run	Depth Ft Run Ft	Rec. Ft Rec. Ft	Blows/PSI Rec. %	Remarks
12.5	293.0	Drilled without sampling *(Continued)*						
14.0	291.5	SILTY LEAN CLAY, dark grayish brown, fine, non-plastic, very soft, moist to wet, micaeous		SS07	12.5 - 14.0	1.5	WH-WH-WH	Root trace
15.0	290.5	Drilled without sampling						
16.5	289.0	GRAVELLY POORLY GRADED SAND, SP, light reddish brown to dark gray, medium to coarse, non-plastic, wet, micaceous, saprolitic, pyrite present in fine quartz gravels		SS08	15.0 - 16.5	1.1	1-1-7	
17.5	288.0	Drilled without sampling						Began Core
24.4	281.1	Gneiss, white and black, coarsely crystalline, very hard, iron oxide staining, micaceous, reddish orange oxidation around fractures, schistic to gneissic grains, medium to thinly folliated, competent to slightly disentegrated, moderately fractured, biotite, large quartz crystals and pyrite		RC01	17.5 - 21.1	3.6	100	Auger refusal at 17.5' 6.0" temporary steel outer casing installed to 17.9'
				RC02	21.1 - 24.4	3.3	100	No natural fractures

Bottom of Hole at 24.4 Ft.

Top of Rock = 17.5 Ft.
Top of Rock Elevation = 288.0 Ft.
Begin Core = 17.5 Ft.

SUBSURFACE LOG

Client Borehole ID: AP1GWC-8 | Stantec Boring No.: **AP1GWC-8**
Client: Southern Company Services - Georgia Power | Boring Location: N 1063260.83, E 2440183.44
Project Number: 172609222 | Surface Elevation: 305.3 ft | Elevation Datum: NAVD88
Project Name: Plant Arkwright Ash Pond 1 | Date Started: 11/12/25 | Completed: 11/13/26
Project Location: Plant Arkwright | Depth to Water: 11.7 ft | Date/Time: 11/13/25
Inspector: Devon Abuan | Logger: Devon Abuan | Depth to Water: 11.5 ft | Date/Time: 11/19/25
Drilling Contractor: Stantec Consulting Services Inc. | Drill Rig: CME 55 LCX | Driller: D. Clements
Overburden Drilling and Sampling Tools (Type and Size): 4-1/4" HSA, 2" SS w/o liners
Rock Drilling and Sampling Tools (Type and Size): PQ-3 Wireline, Split Barrel, Impregnated Bit
Sampler Hammer Type: Automatic | Weight: 140 lbs | Drop: 36" | Efficiency: N/A
Borehole Azimuth: N/A (Vertical) | Borehole Inclination (from Vertical): Vertical

Lithology Depth Ft	Lithology Elevation	Description (Overburden: / Rock Core:)	Sample Run	Depth Ft Run Ft	Rec. Ft Rec. Ft	Blows/PSI Rec. %	Remarks
0.0	305.3	Top of Hole					
0.5	304.8	Topsoil, roots present					Poor recovery
		SILTY SAND TRACE CLAY, SM, light brownish gray to light reddish brown, fine to medium, non-plastic, dry, subangular quartz/chert pebbles, [FILL]	SS01	0.0 - 1.5	0.6	WH-2-3	
			SS02	1.5 - 3.0	0.6	2-2-2	
							Poor recovery
			SS03	3.0 - 4.5	0.9	4-2-4	
4.5	300.8						
		POORLY GRADED SAND TRACE CLAY, SP, red brown to grayish brown, medium, non-plastic, moist, comingled trace ash and fill, micaceous, [FILL]	SS04	4.5 - 6.0	0.8	2-1-2	Ash lens
6.0	299.3						
		Drilled without sampling					
7.5	297.8						
		POORLY GRADED SAND, SP, light brown, fine to medium, non-plastic, loose, moist, micaceous	SS05	7.5 - 9.0	0.9	1-1-3	
9.0	296.3						
		Drilled without sampling					
10.0	295.3						
		POORLY GRADED SAND, SP, light reddish brown to dark gray, medium to coarse, non-plastic, moist, micaceous, saprolitic, subangular quartz/chert pebbles	SS06	10.0 - 11.5	0.8	2-4-17	
11.5	293.8						
		Drilled without sampling					
12.5	292.8				0.6	24-50/2/-6"	
		POORLY GRADED SAND, SP, light brown to dark gray, medium to coarse, non-plastic, moist, saprolitic, subangular quartz/chert pebbles	SS07	12.5 - 13.8			
13.8	291.5						
14.2	291.1	Gneiss, moderately weathered, micaceous, biotite					Began Core Auger refusal at 13.8' 6.0" temporary steel outer casing installed to 14.0'
		No recovery					Biotite gneiss lens

SUBSURFACE LOG

Client Borehole ID: AP1GWC-8
Client: Southern Company Services - Georgia Power
Project Number: 172609222

Stantec Boring No.: **AP1GWC-8**
Boring Location: N 1063260.83, E 2440183.44
Surface Elevation: 305.3 ft
Elevation Datum: NAVD88

Lithology Depth Ft	Lithology Elevation	Description	Overburden: / Rock Core:	Sample Run	Depth Ft Run Ft	Rec. Ft Rec. Ft	Blows/PSI Rec. %	Remarks
16		No recovery *(Continued)*		RC01	13.8 - 20.5	0.4	6	
17								
18								
19								
20								
21				RC02	20.5 - 26.0	1.2	21	
22								
23								
24								
24.8	280.5							
25		Gneiss, white and black, coarsely crystalline, moderately hard, highly weathered, wet, iron oxide staining, micaceous, biotite, some pyrite, little quartzite pebbles, foliated, some dissolution						
26.0	279.3							

Bottom of Hole at 26.0 Ft.

Top of Rock = 13.8 Ft.
Top of Rock Elevation = 291.5 Ft.
Begin Core = 13.8 Ft.

APPENDIX B

Piezometer Installation Logs

Well Installation Field Log

Project Name:	Plant Arkwright - AP-1 Well Installation	Date Started:	11/17/2025	Date Completed:	11/18/2025
Borehole/Well No:	AP1GWC-6	Northing (ft):	1064625.98	Easting (ft):	2440237.30
Plant Name:	Arkwright	Latitude:	32.926055	Longitude:	-83.698480
Plant Address:	5241 Arkwright Road, Macon, Georgia, 31210	Location Datum:	NAD83	Elevation Datum:	NAVD88
Project & Task Number:	172609299	Surface/ Ground Elevation (ft):	331.53	Stickup (ft, ags):	3.08
Goals/Task:	AP1GWC-6 Monitoring Well Installation	Borehole Diameter (in):	8.25 to 36.0', 4.88 to 50.0'	Borehole Depth (ft, bgs):	50.00
Drilling Company:	Stantec Consulting Services, Inc.	Well Casing Diameter (in):	2.00	Well Depth (ft, bgs):	45.72
Drilling Equipment/Rig Type:	CME 55 LCX Track Mounted	Top of Casing elev (ft):	334.61	Screen length (ft):	10.0
Drilling Method:	HSA (4.25" ID x 8.25" OD), PQ-3 Wireline Rock Cori	DTW at Development - 12/18/25 (ft, toc):	30.95		
Sampling Method:	SPT, Continuous Core	Static DTW - 11/19/25 (ft, toc):	30.62		
Prepared By:	Peyton Hillman				
Review By:	Andreas Shoredits				

***Not to Scale**

*Depth (feet)	Well Construction				Materials Inventory
	Stick up (ft)	3.08		4" Diameter Protective Cover with Locking Lid 3' x 3' Concrete Pad	Stick up: ± 3.50 ft, ags Cover
	Ground surface - 0.0'				
					Casing Type (steel or PVC, schedule 40 or 80): 2.0" Schedule 40 PVC
					Casing Top: 3.08 ft, ags Bottom: 35.1 ft, bgs
	Bottom of Grout Top of Bentonite	30.60	300.93	Top of Bentonite Elevation	Screen Type: 10.0' PVC U-Pack
			2-in	inch casing	Screen Slot Size: 0.010
					Screen Top: 35.1 ft, bgs Bottom: 45.1 ft, bgs
	Bottom of Bentonite Top of Filter Pack	32.70	298.83	Top of Filter pack Elevation	Sump/end cap Top: 45.1 ft, bgs Bottom: 45.7 ft, bgs
	Top of Screen	35.12	296.41	Top of Screen Elevation	Grout Quantity: 6 (50 lbs) bags of AquaGuard and 84 gallons water
			0.010	Slot screen	Grout Type: Baroid AquaGuard 30% Solids Grout added via Tremie
					Grout Top: 0.0 ft, bgs Bottom: 30.6 ft, bgs
					Bentonite Type: Pel-Plug 3/8" coated pellets installed via gravity fill
					Bentonite Quantity: 0.5 (50 lbs) bucket
					Bentonite Seal Top: 30.6 ft, bgs Bottom: 32.7 ft, bgs
					Filter Pack - Annular Space Type (manufacturer, size): Covia Filtersil Industrial Sand Type #1 (#10). Used 4.5 (50 lbs) bags U-pack and gravity fill
					Filter Pack: Top: 32.7 ft, bgs Bottom: 46.0 ft, bgs
	Bottom of screen	45.12	286.41	Bottom of Screen Elevation	Notes:
	Sump/end cap	45.72	285.81	Sump/end cap elevation	Bentonite seal hydrated overnight prior to grout backfill placement.
	Top of backfill below filter pack (see notes)	46.00	285.53	Base of filter pack Elevation	Backfill of borehole sump from 50.0 to 45.72 ft bgs using bentonite TR pellets
	Terminus of borehole	50.0			Elevation in feet NAVD88 (North American Vertical Datum 1988)

Well Installation Field Log

Project Name:	Plant Arkwright - AP-1 Well Installation	Date Started:	11/14/2025	Date Completed:	11/17/2025
Borehole/Well No:	AP1GWC-7	Northing (ft):	1063904.02	Easting (ft):	2440168.21
Plant Name:	Arkwright	Latitude:	32.924071	Longitude:	-83.698716
Plant Address:	5241 Arkwright Road, Macon, Georgia, 31210	Location Datum:	NAD83	Elevation Datum:	NAVD88
Project & Task Number:	172609299	Surface/ Ground Elevation (ft):	305.53	Stickup (ft, ags):	0.13
Goals/Task:	AP1GWC-7 Monitoring Well Installation	Borehole Diameter (in):	8.25 to 17.5', 4.88 to 24.4'	Borehole Depth (ft, bgs):	24.40
Drilling Company:	Stantec Consulting Services, Inc.	Well Casing Diameter (in):	2.00	Well Depth (ft, bgs):	23.06
Drilling Equipment/Rig Type:	CME 55 LCX Track Mounted	Top of Casing elev (ft):	305.66	Screen length (ft):	10.0
Drilling Method:	HSA (4.25" ID x 8.25" OD), PQ-3 Wireline Rock Cori	DTW at Development - 12/19/25 (ft, toc):	11.57		
Sampling Method:	SPT, Continuous Core	Static DTW - 11/19/25 (ft, toc):	11.70		
Prepared By:	Peyton Hillman				
Review By:	Andreas Shoredits				

***Not to Scale**

*Depth (feet)	Well Construction				Materials Inventory
	Flush mount riser (ft)	0.13		8" Flushmount Cover with Locking Lid 2' x 2' Concrete Pad	Stick up: NA ft, ags
	Ground surface - 0.0'				
					Casing Type (steel or PVC, schedule 40 or 80): 2.0" Schedule 40 PVC
					Casing Top: 0.13 ft, ags Bottom: 12.5 ft, bgs
	Bottom of Grout Top of Bentonite	9.60	295.93	Top of Bentonite Elevation	Screen Type: 10.0' PVC U-Pack
			2-in	inch casing	Screen Slot Size: 0.010
					Screen Top: 12.5 ft, bgs Bottom: 22.5 ft, bgs
	Bottom of Bentonite Top of Filter Pack	11.40	294.13	Top of Filter pack Elevation	Sump/end cap Top: 22.5 ft, bgs Bottom: 23.1 ft, bgs
	Top of Screen	12.46	293.07	Top of Screen Elevation	Grout Quantity: 2 (50 lbs) bags of AquaGuard and 28 gallons water
			0.010	Slot screen	Grout Type: Baroid AquaGuard 30% Solids Grout added via Tremie
					Grout Top: 0.0 ft, bgs Bottom: 9.60 ft, bgs
					Bentonite Type: Pel-Plug 3/8" coated pellets installed via gravity fill
					Bentonite Quantity: 0.5 (50 lbs) bucket
					Bentonite Seal Top: 9.60 ft, bgs Bottom: 11.4 ft, bgs
					Filter Pack - Annular Space Type (manufacturer, size): Covia Filtersil Industrial Sand Type #1 (#10). Used 4 (50 lbs) bags gravity fill and U-pack
					Filter Pack: Top: 11.40 ft, bgs Bottom: 24.0 ft, bgs
	Bottom of screen	22.46	283.07	Bottom of Screen Elevation	Notes:
	Sump/end cap	23.06	282.47	Sump/end cap elevation	Bentonite seal hydrated overnight prior to grout backfill placement.
	Terminus of borehole	24.40	281.13	Base of filter pack Elevation	Backfill of borehole sump was not necessary.
					Open hole cave-in 24.4-24.0 ft.
					Elevation in feet NAVD88 (North American Vertical Datum 1988)

Well Installation Field Log

Project Name:	Plant Arkwright - AP-1 Well Installation	Date Started:	11/13/2025	Date Completed:	11/18/2025
Borehole/Well No:	AP1GWC-8	Northing (ft):	1063260.83	Easting (ft):	2440183.44
Plant Name:	Arkwright	Latitude:	32.922303	Longitude:	-83.698675
Plant Address:	5241 Arkwright Road, Macon, Georgia, 31210	Location Datum:	NAD83	Elevation Datum:	NAVD88
Project & Task Number:	172609299	Surface/ Ground Elevation (ft):	305.27	Stickup (ft, ags):	0.15
Goals/Task:	AP1GWC-8 Monitoring Well Installation	Borehole Diameter (in):	8.25 to 13.8', 4.88 to 26.0'	Borehole Depth (ft, bgs):	26.00
Drilling Company:	Stantec Consulting Services, Inc.	Well Casing Diameter (in):	2.00	Well Depth (ft, bgs):	23.98
Drilling Equipment/Rig Type:	CME 55 LCX Track Mounted	Top of Casing elev (ft):	305.42	Screen length (ft):	10.0
Drilling Method:	HSA (4.25" ID x 8.25" OD), PQ-3 Wireline Rock Cori	DTW at Development - 12/19/25 (ft, toc):	11.65		
Sampling Method:	SPT, Continuous Core	Static DTW - 11/19/25 (ft, toc):	11.50		
Prepared By:	Peyton Hillman				
Review By:	Andreas Shoredits				

***Not to Scale**

*Depth (feet)	Well Construction				Materials Inventory
	Flush mount riser (ft)	0.15	8" Flushmount Cover with Locking Lid 2' x 2' Concrete Pad		Stick up: NA ft, ags
	Ground surface - 0.0'				
					Casing Type (steel or PVC, schedule 40 or 80): 2.0" Schedule 40 PVC
					Casing Top: 0.15 ft, ags Bottom: 13.4 ft, bgs
	Bottom of Grout / Top of Bentonite	9.50	295.77	Top of Bentonite Elevation	Screen Type: 10.0' PVC U-Pack
			2-in	inch casing	Screen Slot Size: 0.010
					Screen Top: 13.4 ft, bgs Bottom: 23.4 ft, bgs
	Bottom of Bentonite / Top of Filter Pack	11.72	293.55	Top of Filter pack Elevation	Sump/end cap Top: 23.4 ft, bgs Bottom: 24.0 ft, bgs
	Top of Screen	13.38	291.89	Top of Screen Elevation	Grout Quantity: 2(50 lbs) bags of AquaGuard and 28 gallons water
			0.010	Slot screen	Grout Type: Baroid AquaGuard 30% Solids Grout added via Tremie
					Grout Top: 0.0 ft, bgs Bottom: 9.5 ft, bgs
					Bentonite Type: Pel-Plug 3/8" coated pellets installed via gravity fill
					Bentonite Quantity: 0.5 (50 lbs) bucket
					Bentonite Seal Top: 9.5 ft, bgs Bottom: 11.7 ft, bgs
					Filter Pack - Annular Space Type (manufacturer, size): Covia Filtersil Industrial Sand Type #1 (#10). Used 3 (50 lbs) bags gravity fill
					Filter Pack: Top: 11.7 ft, bgs Bottom: 25.0 ft, bgs
	Bottom of screen	23.38	281.89	Bottom of Screen Elevation	Notes:
	Sump/end cap	23.98	281.29	Sump/end cap elevation	Bentonite seal hydrated overnight prior to grout backfill placement.
	Terminus of borehole	26.00	279.27	Base of filter pack Elevation	Backfill of borehole sump from 26.0 to 25.0 ft bgs using bentonite TR pellets
					Elevation in feet NAVD88 (North American Vertical Datum 1988)

APPENDIX C

Piezometer Development Forms

Field Instrumentation Calibration Form

Site Name: Arkwright

Date: 12/18/2025

Calibrated By: Jacob Ashe

Field Conditions: Overcast, 14 C

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1283097
Turbidity Meter	Hach 2100Q	22090D0000337

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24021650	Sep-26	AIR
pH (SU)	4.00	24021650	Sep-26	AIR
pH (SU)	7.00	24021711	Sep-26	AIR
pH (SU)	10.00	2402278	Sep-26	AIR
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	228.0	24020598	Sep-26	AIR

Calibration					
Time Start	**10:50**	**Time Finish**	**11:20**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,524	16.54	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	16.56	± 0.1	GWMP
pH (SU)	7.00	7.02	16.29	± 0.1	GWMP
pH (SU)	10.00	10.08	16.11	± 0.1	GWMP
D.O. (%)	N/A	100.9	15.69	± 10%	NA
ORP (mV)	228.0	232.4	16.02	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	18.5	± 10% of standard	EPA 2023
	100	97.6		
	800	741		
	10	9.57		

Calibration Check					
Time Start	**15:00**	**Time Finish**	**15:20**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	-	-	± 10% of standard	EPA 2023
pH (SU)	4.00	-	-	± 0.1	GWMP
pH (SU)	7.00	7.03	19.05	± 0.1	GWMP
pH (SU)	10.00	-	-	± 0.1	GWMP

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

Notes:

Field Instrumentation Calibration Form

Site Name: Arkwright

Date: 12/19/2025

Calibrated By: Jacob Ashe, Peyton Hillman

Field Conditions: Clear, 8 C

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1283097
Turbidity Meter	Hach 2100Q	22090D0000337

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24021650	Sep-26	AIR
pH (SU)	4.00	24021650	Sep-26	AIR
pH (SU)	7.00	24021711	Sep-26	AIR
pH (SU)	10.00	2402278	Sep-26	AIR
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	228.0	24020598	Sep-26	AIR

Calibration					
Time Start	**9:20**	**Time Finish**	**9:40**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,502	17.52	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	17.85	± 0.1	GWMP
pH (SU)	7.00	7.03	17.36	± 0.1	GWMP
pH (SU)	10.00	10.12	17.12	± 0.1	GWMP
D.O. (%)	N/A	100.8	15.33	± 10%	NA
ORP (mV)	228.0	237.9	16.72	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.8	± 10% of standard	EPA 2023
	100	99.2		
	800	821		
	10	9.48		

Calibration Check					
Time Start	**16:40**	**Time Finish**	**16:45**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	-	-	± 10% of standard	EPA 2023
pH (SU)	4.00	-	-	± 0.1	GWMP
pH (SU)	7.00	7.03	20.00	± 0.1	GWMP
pH (SU)	10.00	-	-	± 0.1	GWMP

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

Notes:

Low-Flow Test Report:

Test Date / Time: 12/18/2025 2:26:20 PM
Project: Arkwright AP1 Well Development
Operator Name: J. Ashe

Location Name: AP1GWC-6 **Latitude: 32.92606379024419** **Longitude: -83.6985252498014** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 38.20 ft** **Total Depth: 48.80 ft** **Initial Depth to Water: 30.95 ft**	**Pump Type: Reclaimer** **Tubing Type: LDPE** **Pump Intake From TOC: 43 ft** **Estimated Total Volume Pumped: 6192.667 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 280 ml/min** **Final Draw Down: 0.46 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1283097**

Test Notes:
Development by over-pumping, 520ml/min @ 1305; 1425 reduce flow rate to 280ml/min (40psi, 97 ID, 4 CPM); erroneous reading @ 14:28 (Aqua troll disconnected); Approximately 20 gallons purged.

Weather Conditions:
Overcast, 14°C

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
12/18/2025 2:26 PM	00:00	6.077 pH	19.68 °C	350.7 µS/cm	1.873 mg/L	9.930 NTU	81.6 mV	31.41 ft	280.0 ml/min
12/18/2025 2:28 PM	02:07	6.070 pH	19.55 °C	350.2 µS/cm	1.856 mg/L	9.930 NTU	86.0 mV	31.41 ft	280.0 ml/min
12/18/2025 2:33 PM	07:07	6.062 pH	19.58 °C	351.6 µS/cm	1.385 mg/L	6.990 NTU	84.3 mV	31.41 ft	280.0 ml/min
12/18/2025 2:38 PM	12:07	6.082 pH	19.60 °C	355.3 µS/cm	1.292 mg/L	5.010 NTU	80.8 mV	31.41 ft	280.0 ml/min
12/18/2025 2:43 PM	17:07	6.078 pH	19.63 °C	356.7 µS/cm	1.248 mg/L	6.440 NTU	82.3 mV	31.41 ft	280.0 ml/min
12/18/2025 2:48 PM	22:07	6.081 pH	19.48 °C	356.9 µS/cm	1.237 mg/L	8.380 NTU	80.9 mV	31.41 ft	280.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 12/19/2025 12:50:20 PM
Project: Arkwright AP1 Well Development
Operator Name: Peyton Hillman

Location Name: AP1GWC-7 **Latitude: 32.92419390190155** **Longitude: -83.69877227453563** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 12.59 in** **Total Depth: 23.19 ft** **Initial Depth to Water: 11.57 ft**	**Pump Type: Reclaimer** **Tubing Type: LDPE** **Pump Intake From TOC: 17.6 ft** **Estimated Total Volume Pumped: 10500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1283097**

Test Notes:
Development by over-pumping, 600ml/min @ 1135; 1250 reduce flow rate to 300ml/min (20psi, 95 ID, 4 CPM); Approximately 20 gallons purged.

Weather Conditions:
Sunny clear 50 F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
12/19/2025 12:50 PM	00:00	5.674 pH	21.70 °C	386.5 µS/cm	1.874 mg/L	40.00 NTU	181.8 mV	11.68 ft	300.0 ml/min
12/19/2025 12:55 PM	05:00	5.671 pH	20.12 °C	407.8 µS/cm	1.641 mg/L	33.40 NTU	163.6 mV	11.68 ft	300.0 ml/min
12/19/2025 1:00 PM	10:00	5.668 pH	19.77 °C	411.6 µS/cm	1.698 mg/L	23.00 NTU	141.9 mV	11.68 ft	300.0 ml/min
12/19/2025 1:05 PM	15:00	5.669 pH	19.85 °C	410.6 µS/cm	1.719 mg/L	20.70 NTU	133.1 mV	11.68 ft	300.0 ml/min
12/19/2025 1:10 PM	20:00	5.668 pH	19.89 °C	411.4 µS/cm	1.681 mg/L	16.40 NTU	126.8 mV	11.68 ft	300.0 ml/min
12/19/2025 1:15 PM	25:00	5.669 pH	19.88 °C	411.6 µS/cm	1.701 mg/L	13.60 NTU	122.3 mV	11.68 ft	300.0 ml/min
12/19/2025 1:20 PM	30:00	5.664 pH	19.90 °C	411.9 µS/cm	1.715 mg/L	12.40 NTU	120.1 mV	11.68 ft	300.0 ml/min
12/19/2025 1:25 PM	35:00	5.665 pH	19.80 °C	412.3 µS/cm	1.681 mg/L	9.440 NTU	117.4 mV	11.68 ft	300.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 12/19/2025 3:46:32 PM
Project: Arkwright AP1 Well Development
Operator Name: Peyton Hillman

Location Name: AP1GWC-8 **Latitude: 32.922311059700355** **Longitude: -83.69866972229569** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.53 ft** **Total Depth: 24.13 ft** **Initial Depth to Water: 11.65 ft**	**Pump Type: Reclaimer** **Tubing Type: LDPE** **Pump Intake From TOC: 18.5 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 0.4 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1283097**

Test Notes:
Development by over-pumping, 550ml/min @ 1415; 1545 reduce flow rate to 250ml/min (20psi, 95 ID, 4 CPM); Approximately 20 gallons purged.

Weather Conditions:
55°F, Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
12/19/2025 3:46 PM	00:00	5.545 pH	19.92 °C	1,656 µS/cm	1.478 mg/L	1.650 NTU	111.8 mV	12.05 ft	250.0 ml/min
12/19/2025 3:51 PM	05:00	5.548 pH	18.03 °C	1,660 µS/cm	1.244 mg/L	0.740 NTU	126.1 mV	12.05 ft	250.0 ml/min
12/19/2025 3:56 PM	10:00	5.540 pH	17.81 °C	1,674 µS/cm	1.228 mg/L	0.790 NTU	120.7 mV	12.05 ft	250.0 ml/min
12/19/2025 4:01 PM	15:00	5.538 pH	17.94 °C	1,691 µS/cm	1.219 mg/L	0.620 NTU	116.2 mV	12.05 ft	250.0 ml/min
12/19/2025 4:06 PM	20:00	5.535 pH	17.92 °C	1,689 µS/cm	1.199 mg/L	0.490 NTU	113.0 mV	12.05 ft	250.0 ml/min

Samples

Sample ID:	Description:

APPENDIX D

Certified Piezometer Survey

METRO ENGINEERING & SURVEYING CO., INC.
SURVEYORS - ENGINEERS - PHOTOGRAMMETRISTS

1469 HIGHWAY 20 WEST • MCDONOUGH, GA 30253
phone: 770-707-0777 fax: 770.707-0755
WWW.METRO-ENGINEERING.COM

SURVEYOR'S REPORT

SCOPE OF WORK:

Field survey of existing monitoring wells at Georgia Power Company, Plant Arkwright in Macon, GA.

Horizontal and vertical datum was derived from RTK GPS observations with corrections received via a cellular modem utilizing the Leica "Smartnet" RTK Network and conventional surveying equipment. Horizontal datum is Georgia State Plane, West Zone, NAD83(2011) and vertical datum is NAVD88.

EQUIPMENT USED TO ESTABLISH THE MONITORING WELL LOCATIONS:

Leica GS18T GPS Receiver
Leica DNA10 Digital Level

CERTIFICATION:

I hereby certify that the center of well casing (PVC) has a horizontal accuracy of 0.5+/- feet or better using a Leica GS18T GPS (survey-grade) global positioning system receiver referencing the Georgia State Plane, West Zone, NAD83(2011) coordinate system in US survey feet. The top of well casing (PVC) elevation data was determined in feet above mean sea level based on the NAVD88 vertical datum. Vertical data was confirmed to be accurate within 0.01 foot through establishment of a closed level check loop with a Leica DNA10 digital level having a published accuracy of 0.9mm per dual-traverse kilometer.
Elevations were established from the nail on the concrete pads of existing well AP1PZ-1 (El.=336.09) and STN-B44 (El.=345.75).

Christopher G. Lea R.L.S. No. 3427

Date: 01-06-26

Plant Arkwright
Macon, GA.
Field Survey Completed: December 29, 2025

Well ID	Latitude	Longitude	Casing Northing (PVC)	Casing Easting (PVC)	Top of Casing Elevation (PVC)	Ground Elevation (Rebar)
AP1GWC-6	N32.926055	W83.698480	1,064,625.98	2,440,237.30	334.61	331.53
AP1GWC-7	N32.924071	W83.698716	1,063,904.02	2,440,168.21	305.66	305.53
AP1GWC-8	N32.922303	W83.698675	1,063,260.83	2,440,183.44	305.42	305.27

APPENDIX E

Stantec Drilling Bond

Water Well Standards Advisory Council

Georgia Environmental Protection Division
(Agent for Council)

531 Main St., Suite D
Tifton, Georgia 31794
229-391-2400

May 19, 2025

BENJAMIN HALADA
STANTEC CONSULTING SERVICES INC
3052 BEAUMONT CENTRE CIR
LEXINGTON, KY 40513

Re: Bonded Driller ID# 30
Bond or Irrevocable Letter of Credit Renewal for 2025-2027

Your bond, letter of credit, or continuation notice as required by O.C.G.A § 12-5-135 has been received and will expire on June 30, 2027.

Reminder:

O.C.G.A. § 12-5-125 License requirement; drilling under direction of professional geologist or engineer. Except as provided in subsection (f) of Code Section 12-5-127, no person shall drill a water well or geothermal borehole without first having a water well contractor's license issued by the council. No person, including licensed water well contractors, shall drill any kind of well, borehole, or corehole, other than a water well or geothermal borehole, unless such person is acting under the direction of a professional geologist or a professional engineer.

If you have any questions, please contact us at (229) 391-2400.

Sincerely,

J Edward Rooks

J. Edward Rooks

Georgia Driller's Bond or Letter of Credit Registration Form
July 1, 2025 to June 30, 2027

For drillers acting under the direction of a professional geologist or a professional engineer and drilling wells, boreholes, or coreholes, other than water wells or geothermal boreholes as per O.C.G.A. § 12-5-125.

A complete renewal application for 2025 requires a performance bond or an irrevocable letter of credit for a minimum of $15,000 with an expiration date of **June 30, 2027**. **Please sign your bond.** A Notice of Continuation with an expiration date of June 30, 2027 is acceptable.

To provide adequate time for processing, please return your renewal form with the performance bond or an irrevocable letter of credit no later than **June 6, 2025.** Incomplete applications will not be accepted.

Please make any needed corrections or updates to the contact information provided below:

ID Number: 30
Representative Name: Benjamin A Halada, PE
Name of Company: Stantec Consulting Services Inc.
Mailing Address: 3052 Beaumont Centre Circle, Lexington, KY 40513
Cell Phone: 859-421-6907
Business Address: 3052 Beaumont Centre Circle, Lexington, KY 40513
Business Phone: 859-422-3000
Email: ben.halada@stantec.com

Please return this form with the performance bond or irrevocable letter of credit to:

GA EPD
531 Main St., Suite D
Tifton, GA 31794

Or
ag.permits@dnr.ga.gov

Bond Number K09640344

Performance Bond For Drillers

Name of Driller Benjamin A. Halada

Know All Men By These Presents

That we [NAME OF DRILLER] Benjamin A. Halada and [NAME OF DRILLER'S COMPANY] Stantec Consulting Services Inc. any and all employees, officers and partners (collectively hereinafter, **Principal**), and we [NAME OF SURETY] Federal Insurance Company, duly organized under the laws of the State of Indiana (hereinafter, **Surety**), are held and firmly bound unto the Director of the Environmental Protection Division, Department of Natural Resources, State of Georgia (**Director**) and his or her Successor or Successors in office, as **Obligee**, in the full sum of **FIFTEEN THOUSAND DOLLARS ($15,000.00)** for the payment of which will and truly to be made, the Principal and Surety bind ourselves, our heirs, administrators, successors and assigns, jointly and severally, by these presents.

WHEREAS, the Water Well Standards Act of 1985 (O.C.G.A. §§ 12-5-120 *et seq.*) (the Act) requires that a Driller, as that term is defined by the Act, have a performance bond with the Director to ensure compliance with the Act; and WHEREAS the above bound Principal is subject to the terms and provisions of said Act.

NOW, THEREFORE, the conditions of this obligation are such that if the above bound Principal shall fully and faithfully perform the duties and in all things comply with the procedures and standards set forth in the Act as now and hereafter amended, and the rules and regulations promulgated pursuant thereto, including but not limited to the correction of any violation of such procedures and standards upon discovery, irrespective of whether such discovery is made before completion of any well subject to this bond, then this obligation shall be void; otherwise it shall remain in full force and effect.

And Surety, for value received, agrees that no amendment to existing laws, rules or regulations, or adoption of new laws, rules or regulations shall in anyway discharge its obligation on this bond, and does hereby waive notice of any such amendment, adoption or modification.

This bond shall be effective from the 1st day of July, 2025 and shall continue in effect until **June 30, 2027,** unless sooner terminated by mutual agreement of Principal and Surety, provided that no such termination may be made unless sixty (60) days' prior written notice is made to the Director. In the event of such termination, the rights of the Director as Obligee and beneficiaries under this bond which arose prior to such termination shall continue.

IN WITNESS THEREOF the Principal and Surety have caused these present to be duly signed and sealed, this the 5th day of May, 2025.

Principal Stantec Consulting Services Inc.

Print name: PAUL ALCORN

Title: EXECUTIVE VICE PRESIDENT AND GENERAL COUNSEL

Seal:

Surety Federal Insurance Company

Print name: Debra J. Scarborough

Title: Attorney-in-Fact

Seal:

Revised 03.11.2025

CHUBB

Power of Attorney

Federal Insurance Company | Vigilant Insurance Company | Pacific Indemnity Company
Westchester Fire Insurance Company | ACE American Insurance Company

Know All by These Presents, that **FEDERAL INSURANCE COMPANY,** an Indiana corporation, **VIGILANT INSURANCE COMPANY,** a New York corporation, **PACIFIC INDEMNITY COMPANY,** a Delaware corporation, **WESTCHESTER FIRE INSURANCE COMPANY** and **ACE AMERICAN INSURANCE COMPANY** corporations of the Commonwealth of Pennsylvania, do each hereby constitute and appoint Christy M. Braile, Danielle R. Capps, Jeffrey C. Carey, Mary T. Flanigan, Tahitia M. Fry, C. Stephens Griggs, Erin C. Lavin, Veronica Lawver, Rebecca S. Leal, Kellie A. Meyer, Patrick T. Pribyl, Debra J. Scarborough, Lauren Scott, Hillary D. Shepard, Evan D. Sizemore, Kristin D. Thurber and Mariana Walker of Kansas City, Missouri ----------

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY** and **ACE AMERICAN INSURANCE COMPANY** have each executed and attested these presents and affixed their corporate seals on this **15th** day of **July, 2024.**

Rupert HD Swindells. Assistant Secretary

Warren Eichhorn. Vice President

STATE OF NEW JERSEY
County of Hunterdon SS.

On this 15th day of **July, 2024** before me, a Notary Public of New Jersey, personally came Rupert HD Swindells and Warren Eichhorn, to me known to be Assistant Secretary and Vice President, respectively, of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY, the companies which executed the foregoing Power of Attorney, and the said Rupert HD Swindells and Warren Eichhorn, being by me duly sworn, severally and each for himself did depose and say that they are Assistant Secretary and Vice President, respectively, of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY and know the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of said Companies; and that their signatures as such officers were duly affixed and subscribed by like authority.

Notarial Seal

Albert Contursi
NOTARY PUBLIC OF NEW JERSEY
No 50202369
Commission Expires August 22,2027

Notary Public

CERTIFICATION

Resolutions adopted by the Boards of Directors of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY on August 30, 2016; WESTCHESTER FIRE INSURANCE COMPANY on December 11, 2006; and ACE AMERICAN INSURANCE COMPANY on March 20, 2009:

"RESOLVED, that the following authorizations relate to the execution, for and on behalf of the Company, of bonds, undertakings, recognizances, contracts and other written commitments of the Company entered into in the ordinary course of business (each a "Written Commitment"):

(1) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise.

(2) Each duly appointed attorney-in-fact of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise, to the extent that such action is authorized by the grant of powers provided for in such person's written appointment as such attorney-in-fact.

(3) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to appoint in writing any person the attorney-in-fact of the Company with full power and authority to execute, for and on behalf of the Company, under the seal of the Company or otherwise, such Written Commitments of the Company as may be specified in such written appointment, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.

(4) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to delegate in writing to any other officer of the Company the authority to execute, for and on behalf of the Company, under the Company's seal or otherwise, such Written Commitments of the Company as are specified in such written delegation, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.

(5) The signature of any officer or other person executing any Written Commitment or appointment or delegation pursuant to this Resolution, and the seal of the Company, may be affixed by facsimile on such Written Commitment or written appointment or delegation.

FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested."

I, Rupert HD Swindells, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY (the "Companies") do hereby certify that

(i) the foregoing Resolutions adopted by the Board of Directors of the Companies are true, correct and in full force and effect,
(ii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Whitehouse Station, NJ, this **May 5, 2025**

Rupert HD Swindells. Assistant Secretary

IN THE EVENT YOU WISH TO VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT:
Telephone (908) 903- 3493 Fax (908) 903- 3656 e-mail: surety@chubb.com

APPENDIX C
Field Sampling Data and Analytical Data Reports

C.1 Field Sampling Data

Low-Flow Test Report:

Test Date / Time: 8/18/2025 12:41:06 PM
Project: Arkwright
Operator Name: J Bankston

Location Name: AP1GWA-1 **Latitude: 32.93263554486217** **Longitude: -83.70276057077348** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 26.84 ft** **Total Depth: 37.5 ft** **Initial Depth to Water: 23.97 ft**	**Pump Type: Dedicated Bladder pump** **Tubing Type: LDPE** **Pump Intake From TOC: 25.3 ft** **Estimated Total Volume Pumped: 8890 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170065**

Test Notes:

Turbidimeter S/N: 20030C083517

Heron Dipper-T SN: 24072

MP-50 SN: 14

ID: 104

Pressure: 20 PSI

Weather Conditions:

Sunny 31 C

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/18/2025 12:41 PM	00:00	5.248 pH	23.13 °C	187.9 µS/cm	4.248 mg/L	0.160 NTU	92.8 mV	24.09 ft	300.0 ml/min
8/18/2025 12:46 PM	05:00	5.257 pH	22.36 °C	189.9 µS/cm	4.003 mg/L	0.270 NTU	179.8 mV	24.09 ft	300.0 ml/min
8/18/2025 12:51 PM	10:00	5.295 pH	22.27 °C	189.2 µS/cm	3.876 mg/L	0.160 NTU	132.6 mV	24.09 ft	300.0 ml/min
8/18/2025 12:56 PM	15:00	5.302 pH	21.92 °C	189.3 µS/cm	3.890 mg/L	0.170 NTU	133.8 mV	24.09 ft	300.0 ml/min
8/18/2025 1:01 PM	20:00	5.303 pH	21.84 °C	188.6 µS/cm	3.845 mg/L	0.110 NTU	135.7 mV	24.09 ft	300.0 ml/min

Samples

Sample ID:	Description:

ARK-AP1-GWA-1	1305 6 bottle sets: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total
ARK-AP1-FD-01	6 bottle sets: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total

Low-Flow Test Report:

Test Date / Time: 8/18/2025 12:56:32 PM
Project: Arkwright
Operator Name: J. Ashe

Location Name: Arkwright AP-1 AP1GWA-2 **Latitude: 32.9255203250873** **Longitude: -83.70079955981375** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 20.52 ft** **Total Depth: 31.1 ft** **Initial Depth to Water: 17.56 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: HDPE** **Pump Intake From TOC: 25.3 ft** **Estimated Total Volume Pumped: 11746.667 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.24 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Turbidimeter S/N: 24080D0003300
Heron Dipper-T SN: 12FF2407262FR
MP-50 SN: 10
ID: 103
Pressure: 35 psi
2 erroneous readings @ 28 & 29min

Weather Conditions:
31°C, Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/18/2025 12:56 PM	00:00	6.191 pH	26.31 °C	67.80 µS/cm	4.112 mg/L	8.770 NTU	129.6 mV	17.56 ft	400.0 ml/min
8/18/2025 1:01 PM	05:00	5.943 pH	21.82 °C	71.89 µS/cm	4.254 mg/L	7.730 NTU	227.5 mV	17.80 ft	400.0 ml/min
8/18/2025 1:06 PM	10:00	5.908 pH	21.33 °C	71.86 µS/cm	4.040 mg/L	6.150 NTU	257.0 mV	17.80 ft	400.0 ml/min
8/18/2025 1:11 PM	15:00	5.900 pH	21.73 °C	71.72 µS/cm	3.825 mg/L	3.530 NTU	273.4 mV	17.80 ft	400.0 ml/min
8/18/2025 1:16 PM	20:00	5.896 pH	21.62 °C	71.11 µS/cm	3.702 mg/L	4.700 NTU	302.1 mV	17.80 ft	400.0 ml/min
8/18/2025 1:21 PM	25:00	5.891 pH	21.64 °C	71.31 µS/cm	3.607 mg/L	2.500 NTU	331.6 mV	17.80 ft	400.0 ml/min

Samples

Sample ID:	Description:
ARK-AP1GWA-2	Samples collected at 1335. 6 bottle sets: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total
ARK-AP1-FB-01	Samples collected at 1345. 6 bottle sets: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total

Low-Flow Test Report:

Test Date / Time: 8/18/2025 2:25:40 PM
Project: Arkwright
Operator Name: Jackson Bankston

Location Name: AP1PZ-1 **Latitude: 32.921035574357795** **Longitude: -83.69879087537022** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 77 ft** **Total Depth: 87.6 ft** **Initial Depth to Water: 44.65 ft**	**Pump Type: Dedicated Bladder pump** **Tubing Type: LDPE** **Pump Intake From TOC: 82.6 ft** **Estimated Total Volume Pumped: 2000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 2.2 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170065**

Test Notes:
Turbidimeter S/N:
20030C083517
Heron Dipper-T SN: 24072
MP-50 SN: 14
ID: 97
Pressure: 60 PSI
Weather Conditions:
Sunny 32 C

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/18/2025 2:25 PM	00:00	6.344 pH	26.17 °C	340.2 µS/cm	0.741 mg/L	2.460 NTU	-42.7 mV	45.41 ft	100.0 ml/min
8/18/2025 2:30 PM	05:00	6.352 pH	24.86 °C	342.9 µS/cm	0.465 mg/L	2.080 NTU	-43.1 mV	45.93 ft	100.0 ml/min
8/18/2025 2:35 PM	10:00	6.428 pH	25.04 °C	341.9 µS/cm	0.388 mg/L	1.680 NTU	-80.1 mV	46.51 ft	100.0 ml/min
8/18/2025 2:40 PM	15:00	6.480 pH	24.84 °C	341.5 µS/cm	0.366 mg/L	1.150 NTU	-89.2 mV	46.73 ft	100.0 ml/min
8/18/2025 2:45 PM	20:00	6.481 pH	26.22 °C	342.4 µS/cm	0.405 mg/L	0.800 NTU	-92.3 mV	46.85 ft	100.0 ml/min

Samples

Sample ID:	Description:

ARK-AP1PZ-1	1450 6 bottle sets: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total

Low-Flow Test Report:

Test Date / Time: 8/18/2025 2:35:52 PM
Project: Arkwright
Operator Name: J. Ashe

Location Name: Arkwright AP-1 AP1PZ-2 **Latitude: 32.9255203250873** **Longitude: -83.70079955981375** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.1 ft** **Total Depth: 62.7 ft** **Initial Depth to Water: 41.87 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 56.6 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 180 ml/min** **Final Draw Down: 0.53 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Turbidimeter S/N: 24080D000330
Heron Dipper-T SN: 12FF2407262FR
MP-50 SN: 10
ID: 43
Pressure: 65 psi

Weather Conditions:
32°C, Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/18/2025 2:35 PM	00:00	6.092 pH	28.61 °C	817.5 µS/cm	0.809 mg/L	107.0 NTU	149.0 mV	41.87 ft	240.0 ml/min
8/18/2025 2:40 PM	05:00	6.146 pH	23.35 °C	891.3 µS/cm	0.348 mg/L	83.60 NTU	266.5 mV	42.40 ft	180.0 ml/min
8/18/2025 2:45 PM	10:00	6.165 pH	23.23 °C	911.6 µS/cm	0.218 mg/L	67.70 NTU	141.1 mV	42.40 ft	180.0 ml/min
8/18/2025 2:50 PM	15:00	6.164 pH	23.18 °C	909.2 µS/cm	0.169 mg/L	56.30 NTU	127.8 mV	42.40 ft	180.0 ml/min
8/18/2025 2:55 PM	20:00	6.164 pH	22.98 °C	917.4 µS/cm	0.143 mg/L	47.80 NTU	115.1 mV	42.40 ft	180.0 ml/min
8/18/2025 3:00 PM	25:00	6.150 pH	22.98 °C	935.6 µS/cm	0.133 mg/L	41.10 NTU	103.7 mV	42.40 ft	180.0 ml/min
8/18/2025 3:05 PM	30:00	6.142 pH	23.15 °C	944.7 µS/cm	0.132 mg/L	27.00 NTU	96.9 mV	42.40 ft	180.0 ml/min
8/18/2025 3:10 PM	35:00	6.133 pH	22.91 °C	953.7 µS/cm	0.137 mg/L	21.70 NTU	94.8 mV	42.40 ft	180.0 ml/min
8/18/2025 3:15 PM	40:00	6.126 pH	22.90 °C	965.9 µS/cm	0.137 mg/L	17.00 NTU	92.4 mV	42.40 ft	180.0 ml/min
8/18/2025 3:20 PM	45:00	6.117 pH	22.90 °C	975.8 µS/cm	0.133 mg/L	13.50 NTU	90.4 mV	42.40 ft	180.0 ml/min

8/18/2025 3:25 PM	50:00	6.110 pH	22.85 °C	986.9 µS/cm	0.136 mg/L	9.530 NTU	89.7 mV	42.40 ft	180.0 ml/min
8/18/2025 3:30 PM	55:00	6.105 pH	22.92 °C	990.6 µS/cm	0.139 mg/L	7.830 NTU	89.4 mV	42.40 ft	180.0 ml/min
8/18/2025 3:35 PM	01:00:00	6.096 pH	22.93 °C	998.2 µS/cm	0.130 mg/L	5.810 NTU	88.5 mV	42.40 ft	180.0 ml/min
8/18/2025 3:40 PM	01:05:00	6.094 pH	22.83 °C	1,004 µS/cm	0.130 mg/L	4.570 NTU	87.7 mV	42.40 ft	180.0 ml/min

Samples

Sample ID:	Description:
ARK-AP1PZ-2	Samples collected @ 1548. 6 bottle sets: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total

Low-Flow Test Report:

Test Date / Time: 8/18/2025 3:57:30 PM
Project: Arkwright
Operator Name: Jackson Bankston

Location Name: AP1PZ-3 **Latitude: 32.91712539550045** **Longitude: -83.69955146228821** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 56.9 ft** **Total Depth: 67.4 ft** **Initial Depth to Water: 42.84 ft**	**Pump Type: Dedicated Bladder pump** **Tubing Type: LDPE** **Pump Intake From TOC: 61.4 ft** **Estimated Total Volume Pumped: 2000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.32 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170065**

Test Notes:
Turbidimeter S/N: 20030C083517
Heron Dipper-T SN: 24072 MP-50 SN: 14
ID: 97
Pressure: 60 PSI

Weather Conditions:
Sunny 33 C

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/18/2025 3:57 PM	00:00	5.511 pH	25.02 °C	2,083 µS/cm	0.631 mg/L	1.830 NTU	-10.1 mV	43.12 ft	100.0 ml/min
8/18/2025 4:02 PM	05:00	5.536 pH	23.49 °C	2,108 µS/cm	0.444 mg/L	1.840 NTU	110.2 mV	43.16 ft	100.0 ml/min
8/18/2025 4:07 PM	10:00	5.562 pH	23.73 °C	2,123 µS/cm	0.188 mg/L	1.300 NTU	93.1 mV	43.16 ft	100.0 ml/min
8/18/2025 4:12 PM	15:00	5.567 pH	23.43 °C	2,120 µS/cm	0.153 mg/L	1.150 NTU	23.3 mV	43.16 ft	100.0 ml/min
8/18/2025 4:17 PM	20:00	5.568 pH	23.19 °C	2,121 µS/cm	0.152 mg/L	0.810 NTU	16.3 mV	43.16 ft	100.0 ml/min

Samples

Sample ID:	Description:
ARK-AP1PZ-3	1620 6 bottle sets: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total

ARK-AP1-EB-02	1630 6 bottle sets: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total

Low-Flow Test Report:

Test Date / Time: 8/18/2025 4:41:03 PM
Project: Arkwright
Operator Name: J. Ashe

Location Name: ARK-AP1PZ-4 **Latitude: 32.91884134591281** **Longitude: -83.69764549695394** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 56.9 ft** **Total Depth: 67.4 ft** **Initial Depth to Water: 46.45 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 61.5 ft** **Estimated Total Volume Pumped: 2800 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 140 ml/min** **Final Draw Down: 1.93 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Turbidimeter S/N: 24080D000330
Heron Dipper-T SN: 12FF2407262FR
MP-50 SN: 10
ID: 103
Pressure: 35 psi

Weather Conditions:
33°C, Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/18/2025 4:41 PM	00:00	6.228 pH	24.66 °C	2,243 µS/cm	1.042 mg/L	11.50 NTU	28.7 mV	46.45 ft	140.0 ml/min
8/18/2025 4:46 PM	05:00	6.219 pH	23.29 °C	2,284 µS/cm	0.799 mg/L	6.370 NTU	51.5 mV	48.04 ft	140.0 ml/min
8/18/2025 4:51 PM	10:00	6.221 pH	23.08 °C	2,281 µS/cm	0.897 mg/L	3.660 NTU	46.6 mV	48.18 ft	140.0 ml/min
8/18/2025 4:56 PM	15:00	6.221 pH	22.73 °C	2,277 µS/cm	0.894 mg/L	2.510 NTU	42.6 mV	48.30 ft	140.0 ml/min
8/18/2025 5:01 PM	20:00	6.213 pH	23.04 °C	2,271 µS/cm	0.867 mg/L	1.270 NTU	40.9 mV	48.38 ft	140.0 ml/min

Samples

Sample ID:	Description:

ARK-AP1PZ-4	Samples collected @ 1710. 6 bottle sets: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total

Low-Flow Test Report:

Test Date / Time: 8/18/2025 12:56:27 PM
Project: Arkwright
Operator Name: Max Moore

Location Name: AP1PZ-5 **Latitude: 32.91789244829987** **Longitude: -83.69737785820983** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 56.8 ft** **Total Depth: 67.3 ft** **Initial Depth to Water: 49.35 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Tubing Inner Diameter: 0.17 in** **Tubing Length: 65 ft** **Pump Intake From TOC: 61.3 ft** **Estimated Total Volume Pumped: 3000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
MP-50 S/N: 06
ID: 47
PSI: 30
Turbidimeter S/N:
15030C039579
WLM S/N: 11DF2106174HB

Weather Conditions:
31C Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/18/2025 12:56 PM	00:00	6.006 pH	26.42 °C	2,878 µS/cm	1.094 mg/L	1.590 NTU	14.1 mV	49.35 ft	100.0 ml/min
8/18/2025 1:01 PM	05:00	5.956 pH	24.64 °C	2,960 µS/cm	1.098 mg/L	0.980 NTU	12.5 mV	49.35 ft	100.0 ml/min
8/18/2025 1:06 PM	10:00	5.956 pH	24.16 °C	2,960 µS/cm	0.897 mg/L	0.620 NTU	13.3 mV	49.35 ft	100.0 ml/min
8/18/2025 1:11 PM	15:00	5.948 pH	24.51 °C	2,988 µS/cm	0.808 mg/L	0.880 NTU	13.4 mV	49.35 ft	100.0 ml/min
8/18/2025 1:16 PM	20:00	5.947 pH	25.38 °C	2,972 µS/cm	0.741 mg/L	0.710 NTU	19.7 mV	49.35 ft	100.0 ml/min
8/18/2025 1:21 PM	25:00	5.947 pH	25.66 °C	2,955 µS/cm	0.774 mg/L	1.370 NTU	22.6 mV	49.35 ft	100.0 ml/min
8/18/2025 1:26 PM	30:00	5.948 pH	25.47 °C	2,955 µS/cm	0.756 mg/L	1.050 NTU	25.4 mV	49.35 ft	100.0 ml/min

Samples

Sample ID:	Description:
ARK-AP1P-5	6 Bottle sets: 3 x 1000mL (HNO3) - Radium 226/228 1 x 500mL (unpreserved) - TDS 1 x 250mL (unpreserved) - Anions 1 x 250mL (HNO3) - Metals, Total Collected at 13:30

Low-Flow Test Report:

Test Date / Time: 8/19/2025 9:22:47 AM
Project: Arkwright
Operator Name: J. Ashe

Location Name: Arkwright AP1PZ-8 **Latitude: 32.918091732207266** **Longitude: -83.69808220325686** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 55.6 ft** **Total Depth: 66.1 ft** **Initial Depth to Water: 46.2 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: HDPE** **Pump Intake From TOC: 61.5 ft** **Estimated Total Volume Pumped: 7700 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 220 ml/min** **Final Draw Down: 4.76 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Turbidimeter S/N: 24080D000330
Heron Dipper-T SN: 12FF2407262FR
MP-50 SN: 10
ID: 102
Pressure: 40 psi

Weather Conditions:
26°C, Partly Cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/19/2025 9:22 AM	00:00	6.575 pH	22.90 °C	1,491 µS/cm	1.411 mg/L	25.10 NTU	66.6 mV	46.20 ft	220.0 ml/min
8/19/2025 9:27 AM	05:00	6.552 pH	20.57 °C	1,535 µS/cm	1.148 mg/L	11.20 NTU	79.2 mV	48.77 ft	220.0 ml/min
8/19/2025 9:32 AM	10:00	6.535 pH	20.55 °C	1,546 µS/cm	0.826 mg/L	5.740 NTU	63.8 mV	49.46 ft	220.0 ml/min
8/19/2025 9:37 AM	15:00	6.534 pH	20.51 °C	1,549 µS/cm	0.710 mg/L	2.860 NTU	58.1 mV	49.93 ft	220.0 ml/min
8/19/2025 9:42 AM	20:00	6.534 pH	20.57 °C	1,553 µS/cm	0.624 mg/L	1.670 NTU	55.2 mV	50.28 ft	220.0 ml/min
8/19/2025 9:47 AM	25:00	6.534 pH	20.57 °C	1,555 µS/cm	0.550 mg/L	1.260 NTU	54.4 mV	50.67 ft	220.0 ml/min
8/19/2025 9:52 AM	30:00	6.534 pH	20.76 °C	1,553 µS/cm	0.492 mg/L	0.640 NTU	54.3 mV	50.83 ft	220.0 ml/min
8/19/2025 9:57 AM	35:00	6.529 pH	20.60 °C	1,561 µS/cm	0.457 mg/L	0.570 NTU	55.0 mV	50.96 ft	220.0 ml/min

Samples

Sample ID:	Description:

ARK-AP1PZ-8	Samples collected @ 1005. 6 bottle sets: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total

Low-Flow Test Report:

Test Date / Time: 8/22/2025 9:18:02 AM
Project: Arkwright
Operator Name: J. Ashe

Location Name: AP1PZ-9 **Latitude: 32.91868621556155** **Longitude: -83.69883128349252** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 46.25 ft** **Total Depth: 57.35 ft** **Initial Depth to Water: 41.13 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 54.55 ft** **Estimated Total Volume Pumped: 12500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 7.99 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:

Turbidimter S/N: 24080D000330 Heron Dipper-T SN: 12FF2407262FR; MP-50 SN: 10; ID: 103, 35 psi, CPM: 4.

Approx. water level: 50.5 .

Weather Conditions:
Cloudy, 24°C

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/22/2025 9:18 AM	00:00	5.189 pH	22.39 °C	659.6 µS/cm	3.959 mg/L	13.70 NTU	180.0 mV	41.13 ft	100.0 ml/min
8/22/2025 9:23 AM	05:00	5.342 pH	20.96 °C	657.5 µS/cm	1.748 mg/L	17.40 NTU	152.5 mV	42.41 ft	100.0 ml/min
8/22/2025 9:28 AM	10:00	5.364 pH	20.75 °C	658.1 µS/cm	1.265 mg/L	23.50 NTU	151.6 mV	42.93 ft	100.0 ml/min
8/22/2025 9:33 AM	15:00	5.314 pH	20.78 °C	651.8 µS/cm	0.898 mg/L	22.40 NTU	152.6 mV	43.52 ft	100.0 ml/min
8/22/2025 9:38 AM	20:00	5.211 pH	20.88 °C	643.6 µS/cm	0.787 mg/L	24.40 NTU	165.5 mV	44.30 ft	100.0 ml/min
8/22/2025 9:43 AM	25:00	5.027 pH	20.91 °C	633.4 µS/cm	0.714 mg/L	28.50 NTU	200.3 mV	44.49 ft	100.0 ml/min
8/22/2025 9:48 AM	30:00	4.801 pH	20.87 °C	628.1 µS/cm	0.780 mg/L	29.20 NTU	252.4 mV	45.30 ft	100.0 ml/min
8/22/2025 9:53 AM	35:00	4.632 pH	21.01 °C	626.9 µS/cm	0.820 mg/L	26.30 NTU	293.6 mV	45.48 ft	100.0 ml/min
8/22/2025 9:58 AM	40:00	4.532 pH	21.02 °C	627.4 µS/cm	0.827 mg/L	23.40 NTU	312.3 mV	46.00 ft	100.0 ml/min
8/22/2025 10:03 AM	45:00	4.488 pH	21.10 °C	625.9 µS/cm	0.821 mg/L	24.90 NTU	320.4 mV	46.43 ft	100.0 ml/min
8/22/2025 10:08 AM	50:00	4.469 pH	21.11 °C	625.9 µS/cm	0.754 mg/L	23.40 NTU	323.3 mV	46.85 ft	100.0 ml/min
8/22/2025 10:13 AM	55:00	4.483 pH	21.51 °C	625.4 µS/cm	0.729 mg/L	22.20 NTU	320.5 mV	47.09 ft	100.0 ml/min

8/22/2025 10:18 AM	01:00:00	4.489 pH	21.40 °C	623.3 µS/cm	0.729 mg/L	23.80 NTU	318.4 mV	47.36 ft	100.0 ml/min
8/22/2025 10:23 AM	01:05:00	4.507 pH	21.59 °C	623.0 µS/cm	0.742 mg/L	19.30 NTU	326.8 mV	47.36 ft	100.0 ml/min
8/22/2025 10:28 AM	01:10:00	4.522 pH	21.72 °C	622.9 µS/cm	0.768 mg/L	18.60 NTU	312.9 mV	47.43 ft	100.0 ml/min
8/22/2025 10:33 AM	01:15:00	4.542 pH	21.72 °C	624.9 µS/cm	0.849 mg/L	18.70 NTU	308.8 mV	47.60 ft	100.0 ml/min
8/22/2025 10:38 AM	01:20:00	4.564 pH	21.57 °C	625.6 µS/cm	0.941 mg/L	16.00 NTU	305.0 mV	47.73 ft	100.0 ml/min
8/22/2025 10:43 AM	01:25:00	4.589 pH	21.61 °C	627.1 µS/cm	1.033 mg/L	14.30 NTU	300.4 mV	47.90 ft	100.0 ml/min
8/22/2025 10:48 AM	01:30:00	4.612 pH	21.37 °C	626.5 µS/cm	1.168 mg/L	12.20 NTU	296.5 mV	48.06 ft	100.0 ml/min
8/22/2025 10:53 AM	01:35:00	4.645 pH	21.30 °C	628.3 µS/cm	1.388 mg/L	11.80 NTU	301.2 mV	48.22 ft	100.0 ml/min
8/22/2025 10:58 AM	01:40:00	4.688 pH	21.47 °C	630.2 µS/cm	1.639 mg/L	9.570 NTU	282.7 mV	48.40 ft	100.0 ml/min
8/22/2025 11:03 AM	01:45:00	4.730 pH	21.60 °C	630.1 µS/cm	1.921 mg/L	8.060 NTU	274.2 mV	48.57 ft	100.0 ml/min
8/22/2025 11:08 AM	01:50:00	4.773 pH	21.89 °C	630.6 µS/cm	2.172 mg/L	7.030 NTU	266.1 mV	48.64 ft	100.0 ml/min
8/22/2025 11:13 AM	01:55:00	4.818 pH	22.04 °C	630.5 µS/cm	2.364 mg/L	5.630 NTU	258.5 mV	48.81 ft	100.0 ml/min
8/22/2025 11:18 AM	02:00:00	4.865 pH	22.03 °C	630.5 µS/cm	2.509 mg/L	5.080 NTU	250.5 mV	49.01 ft	100.0 ml/min
8/22/2025 11:23 AM	02:05:00	4.907 pH	22.00 °C	630.1 µS/cm	2.574 mg/L	4.190 NTU	242.9 mV	49.12 ft	100.0 ml/min

Samples

Sample ID:	Description:
ARK-AP1PZ-9	Samples collected @ 1125. 6 bottle sets: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total

Low-Flow Test Report:

Test Date / Time: 8/19/2025 9:05:44 AM
Project: Arkwright
Operator Name: Max Moore

Location Name: AP1PZ-10 **Latitude: 32.91978323533209** **Longitude: -83.69891761914576** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 46 ft** **Total Depth: 56.5 ft** **Initial Depth to Water: 39.31 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Tubing Inner Diameter: 0.17 in** **Tubing Length: 58 ft** **Pump Intake From TOC: 50.5 ft** **Estimated Total Volume Pumped: 5250 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 2.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
MP-50 S/N: 06
ID: 98
PSI: 35
Turbidimeter S/N:
15030C039579
WLM S/N: 11DF2106174HB

Sample time - 09:40

Weather Conditions:
25C Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/19/2025 9:05 AM	00:00	7.115 pH	24.54 °C	593.7 µS/cm	2.014 mg/L	13.80 NTU	-10.5 mV	39.31 ft	150.0 ml/min
8/19/2025 9:10 AM	05:00	6.609 pH	22.49 °C	582.5 µS/cm	0.837 mg/L	12.20 NTU	-101.5 mV	39.83 ft	150.0 ml/min
8/19/2025 9:15 AM	10:00	6.535 pH	22.44 °C	584.5 µS/cm	0.754 mg/L	4.450 NTU	-125.0 mV	40.32 ft	150.0 ml/min
8/19/2025 9:20 AM	15:00	6.538 pH	22.44 °C	591.0 µS/cm	0.664 mg/L	3.810 NTU	-151.3 mV	40.88 ft	150.0 ml/min
8/19/2025 9:25 AM	20:00	6.539 pH	22.61 °C	607.8 µS/cm	0.688 mg/L	1.980 NTU	-166.7 mV	41.08 ft	150.0 ml/min
8/19/2025 9:30 AM	25:00	6.549 pH	22.79 °C	638.2 µS/cm	0.484 mg/L	3.080 NTU	-178.5 mV	41.36 ft	150.0 ml/min
8/19/2025 9:35 AM	30:00	6.546 pH	22.96 °C	649.6 µS/cm	0.336 mg/L	3.270 NTU	-182.7 mV	41.36 ft	150.0 ml/min
8/19/2025 9:40 AM	35:00	6.539 pH	23.02 °C	643.5 µS/cm	0.667 mg/L	2.110 NTU	-179.3 mV	41.36 ft	150.0 ml/min

Samples

Sample ID:	Description:
ARK-AP1PZ-10	6 Bottle sets: 3 x 1000mL (HNO3) - Radium 226/228 1 x 500mL (unpreserved) - TDSe 1 x 250mL (unpreserved) - Anions 1 x 250mL (HNO3) - Metals, Total Collected at 09:40
ARK-AP1-FD-02	6 Bottle sets: 3 x 1000mL (HNO3) - Radium 226/228 1 x 500mL (unpreserved) - TDSe 1 x 250mL (unpreserved) - Anions 1 x 250mL (HNO3) - Metals, Total

Low-Flow Test Report:

Test Date / Time: 8/19/2025 11:22:01 AM
Project: Arkwright
Operator Name: Max Moore

Location Name: AP1PZ-11 **Latitude: 32.92056097652111** **Longitude: -83.69909749374139** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 62.8 ft** **Total Depth: 73.3 ft** **Initial Depth to Water: 37.5 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Tubing Inner Diameter: 0.17 in** **Tubing Length: 72 ft** **Pump Intake From TOC: 67.9 ft** **Estimated Total Volume Pumped: 9000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
MP-50 S/N: 06
ID: 104
PSI: 40
Turbidimeter S/N:
15030C039579
WLM S/N: 11DF2106174HB

Sample time - 11:55

Weather Conditions:
29C Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/19/2025 11:22 AM	00:00	7.213 pH	37.83 °C	242.0 µS/cm	2.875 mg/L	3.680 NTU	94.2 mV	37.50 ft	300.0 ml/min
8/19/2025 11:27 AM	05:00	7.174 pH	24.10 °C	280.4 µS/cm	2.391 mg/L	3.950 NTU	89.9 mV	37.50 ft	300.0 ml/min
8/19/2025 11:32 AM	10:00	7.160 pH	23.25 °C	279.2 µS/cm	2.559 mg/L	3.990 NTU	91.6 mV	37.50 ft	300.0 ml/min
8/19/2025 11:37 AM	15:00	7.054 pH	23.16 °C	278.2 µS/cm	2.674 mg/L	3.260 NTU	98.5 mV	37.50 ft	300.0 ml/min
8/19/2025 11:42 AM	20:00	7.057 pH	23.20 °C	274.3 µS/cm	2.819 mg/L	4.140 NTU	101.5 mV	37.50 ft	300.0 ml/min
8/19/2025 11:47 AM	25:00	7.019 pH	23.52 °C	271.2 µS/cm	2.999 mg/L	3.630 NTU	106.6 mV	37.50 ft	300.0 ml/min
8/19/2025 11:52 AM	30:00	7.009 pH	23.29 °C	269.5 µS/cm	3.101 mg/L	3.900 NTU	109.0 mV	37.50 ft	300.0 ml/min

Samples

Sample ID:	Description:
ARK-AP1PZ-11	6 Bottle sets: 3 x 1000mL (HNO3) - Radium 226/228 1 x 500mL (unpreserved) - TDS 1 x 250mL (unpreserved) - Anions 1 x 250mL (HNO3) - Metals, Total Collected at: 11:55
ARK-AP1-EB-01	6 Bottle sets: 3 x 1000mL (HNO3) - Radium 226/228 1 x 500mL (unpreserved) - TDS 1 x 250mL (unpreserved) - Anions 1 x 250mL (HNO3) - Metals, Total Collected at: 12:30

Groundwater Level Measurement Form

Project Name: Southern Company Arkwright | **Page** 1 **of** 3

Plant Name: Plant Arkwright | **Date:** 08/18/2025 & 08/19/2025

Plant Address: 5001 Arkwright Road, Macon, GA 31210 | **Field Staff Names:** Jacob Ashe, Jackson Bankston, Max Moore, Andreas Shoredits

Project Number: 175569434 | **Goal/Task:** Groundwater Investigation

Gauging Start Time 9:15 | **Gauging Finish Time** 09:15 (8/19/2025)

Well ID	Time	Depth to Groundwater (ft, BTOC)	Current Depth to Bottom (ft, BTOC)	Notes/Remarks
AP-1				
AP1GWA-1	9:15	24.01	NM	Dedicated pump
AP1GWA-2	9:22	17.60	NM	Dedicated pump
AP1PZ-1	10:30	44.58	NM	Dedicated pump/new transducer present
AP1PZ-2	10:25	41.85	NM	Dedicated pump
AP1PZ-3	10:20	42.81	NM	Dedicated pump/new transducer present
AP1PZ-4	10:15	46.35	NM	Dedicated pump
AP1PZ-5	10:10	48.24	NM	Dedicated pump/new transducer present
AP1PZ-7	10:05	49.97	NM	Dedicated pump
AP1PZ-8	10:00	46.09	NM	Dedicated pump
AP1PZ-9	9:50	41.05	NM	Dedicated pump
AP1PZ-10	9:40	39.31	NM	Dedicated pump/new transducer present
AP1PZ-11	9:30	37.51	NM	Dedicated pump

Sampler Signatures:

C.2 Calibration Data

Field Instrumentation Calibration Form

Site Name:_Plant Arkwright_ Date:_8/18/2025_

Calibrated By:_Jacob Ashe_ Field Conditions:_Sunny, 30 C_

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	989630
Turbidity Meter	Hach 2100Q	24080D000330

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	Jan-26	AIR
pH (SU)	4.00	24014218	Jan-26	AIR
pH (SU)	7.00	24014266	Jan-26	AIR
pH (SU)	10.00	24011537	Jan-26	AIR
D.O. (%)	N/A	N/A	N/A	AIR
ORP (mV)	228.0	24011792	Jun-26	AIR

Calibration					
Time Start	**11:00**	**Time Finish**	**11:20**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,489	26.23	± 10% of standard	EPA 2023
pH (SU)	4.00	4.37	26.42	± 0.1	GWMP
pH (SU)	7.00	7.34	26.43	± 0.1	GWMP
pH (SU)	10.00	10.14	26.44	± 0.1	GWMP
D.O. (%)	N/A	99.61	26.90	± 10%	NA
ORP (mV)	228.0	199.9	26.42	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.8	± 10% of standard	EPA 2023
	100	98.2		
	800	794		
	10	9.81		

Calibration Check					
Time Start	**15:20**	**Time Finish**	**15:35**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,582	24.26	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	24.59	± 0.1	GWMP
pH (SU)	7.00	7.01	25.15	± 0.1	GWMP
pH (SU)	10.00	10.10	25.46	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.8	± 10% of standard	EPA 2023
	100	101		
	800	821		
	10	9.37		

Notes: Initial pH calibration out of acceptable range due to field judgement error assuming 10% versus ±0.1 S.U.
AquaTROLL 400 unit did however indicate that all three pH points were calibrated to standards provided by equipment venc
ORP live reading after calibration: 226.9 mV

Field Instrumentation Calibration Form

Site Name:_Plant Arkwright_ Date:_08/18/2025_

Calibrated By:_Max Moore_ Field Conditions:_Sunny, 27 C_

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	965586
Turbidity Meter	Hach 2100Q	15030C039579

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014266	Jan-26	AIR
pH (SU)	4.00	24014266	Jan-26	AIR
pH (SU)	7.00	24014266	Jan-26	AIR
pH (SU)	10.00	24011537	Jan-26	AIR
D.O. (%)	N/A	N/A	N/A	AIR
ORP (mV)	228.0	22490162	Jan-26	AIR

Calibration					
Time Start	**08:25**	**Time Finish**	**09:00**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4.522	25.66	± 10% of standard	EPA 2023
pH (SU)	4.00	4.10	25.66	± 0.1	GWMP
pH (SU)	7.00	6.97	25.74	± 0.1	GWMP
pH (SU)	10.00	9.91	25.58	± 0.1	GWMP
D.O. (%)	N/A	99.2	NA	± 10%	NA
ORP (mV)	228.0	222.0	25.52	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.6	± 10% of standard	EPA 2023
	100	90		
	800	742		
	10	10		

Calibration Check					
Time Start	**13:30**	**Time Finish**	**14:00**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4.511	26.87	± 10% of standard	EPA 2023
pH (SU)	4.00	3.93	26.87	± 0.1	GWMP
pH (SU)	7.00	7.09	26.66	± 0.1	GWMP
pH (SU)	10.00	10.04	26.71	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	98		
	800	796		
	10	9.67		

Notes: Replaced pH sensor solution due to pH errors persisting through calibration defaults during initial calibration

Field Instrumentation Calibration Form

Site Name:_Plant Arkwright_ Date:_8/18/2025_

Calibrated By:_Jackson Bankston_ Field Conditions:_Sunny, 27 C_

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	1080307
Turbidity Meter	Hach 2100Q	24090D00297

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

Calibration					
Time Start	**11:00**	**Time Finish**	**11:30**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4467	25.0	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	26.09	± 0.1	GWMP
pH (SU)	7.00	7.02	26.18	± 0.1	GWMP
pH (SU)	10.00	10.01	26.32	± 0.1	GWMP
D.O. (%)	N/A	96.5	27.06	± 10%	NA
ORP (mV)	228.0	227.2	26.57	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.2	± 10% of standard	EPA 2023
	100	100		
	800	778		
	10	10.1		

Calibration Check					
Time Start	**17:20**	**Time Finish**	**17:30**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4526	30.18	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	30.18	± 0.1	GWMP
pH (SU)	7.00	7.03	29.67	± 0.1	GWMP
pH (SU)	10.00	10.05	29.84	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.3	± 10% of standard	EPA 2023
	100	97.7		
	800	800		
	10	10.2		

Notes:

Field Instrumentation Calibration Form

Site Name:_Plant Arkwright_ Date:_8/19/2025_

Calibrated By:_Jacob Ashe_ Field Conditions:_P. Cloudy, 24 C_

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	989630
Turbidity Meter	Hach 2100Q	24080D000330

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	Jan-26	AIR
pH (SU)	4.00	24014218	Jan-26	AIR
pH (SU)	7.00	24014266	Jan-26	AIR
pH (SU)	10.00	24011537	Jan-26	AIR
D.O. (%)	N/A	N/A	N/A	AIR
ORP (mV)	228.0	24011792	Jun-26	AIR

Calibration					
Time Start	**08:25**	**Time Finish**	**08:45**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,582	24.26	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	24.59	± 0.1	GWMP
pH (SU)	7.00	7.01	25.15	± 0.1	GWMP
pH (SU)	10.00	10.10	25.46	± 0.1	GWMP
D.O. (%)	N/A	98.9	24.87	± 10%	NA
ORP (mV)	228.0	225.3	25.41	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.8	± 10% of standard	EPA 2023
	100	101		
	800	821		
	10	9.37		

Calibration Check					
Time Start	**17:39**	**Time Finish**	**17:54**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,511	33.18	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	33.18	± 0.1	GWMP
pH (SU)	7.00	6.99	32.98	± 0.1	GWMP
pH (SU)	10.00	9.90	32.60	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	99		
	800	788		
	10	9.71		

Notes:

Field Instrumentation Calibration Form

Site Name:_Plant Arkwright_ Date:_08/19/2025_

Calibrated By:_Max Moore_ Field Conditions:_Sunny, 27 C_

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	965586
Turbidity Meter	Hach 2100Q	15030C039579

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014266	Jan-26	AIR
pH (SU)	4.00	24014266	Jan-26	AIR
pH (SU)	7.00	24014266	Jan-26	AIR
pH (SU)	10.00	24011537	Jan-26	AIR
D.O. (%)	N/A	N/A	N/A	AIR
ORP (mV)	228.0	22490162	Jan-26	AIR

Calibration					
Time Start	**08:25**	**Time Finish**	**09:00**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4.586	27.81	± 10% of standard	EPA 2023
pH (SU)	4.00	4.09	27.81	± 0.1	GWMP
pH (SU)	7.00	6.95	27.55	± 0.1	GWMP
pH (SU)	10.00	9.90	27.32	± 0.1	GWMP
D.O. (%)	N/A	98.3	NA	± 10%	NA
ORP (mV)	228.0	220.2	29.71	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20	± 10% of standard	EPA 2023
	100	99.3		
	800	802		
	10	9.59		

Calibration Check					
Time Start	**14:00**	**Time Finish**	**14:30**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4.521	29.92	± 10% of standard	EPA 2023
pH (SU)	4.00	3.91	29.92	± 0.1	GWMP
pH (SU)	7.00	6.93	29.75	± 0.1	GWMP
pH (SU)	10.00	9.97	29.65	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.1	± 10% of standard	EPA 2023
	100	99.8		
	800	812		
	10	9.82		

Notes:

Field Instrumentation Calibration Form

Site Name:_Plant Arkwright_ Date:_8/22/2025_

Calibrated By:_Jacob Ashe_ Field Conditions:_ Cloudy, 23 C_

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	989630
Turbidity Meter	Hach 2100Q	24080D000330

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	Jan-26	AIR
pH (SU)	4.00	24014218	Jan-26	AIR
pH (SU)	7.00	24014266	Jan-26	AIR
pH (SU)	10.00	24011537	Jan-26	AIR
D.O. (%)	N/A	N/A	N/A	AIR
ORP (mV)	228.0	24011792	Jun-26	AIR

Calibration					
Time Start	**08:20**	**Time Finish**	**08:40**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,490	24.32	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	24.32	± 0.1	GWMP
pH (SU)	7.00	7.01	25.05	± 0.1	GWMP
pH (SU)	10.00	9.98	25.20	± 0.1	GWMP
D.O. (%)	N/A	100.6	25.12	± 10%	NA
ORP (mV)	228.0	228.9	22.80	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.4	± 10% of standard	EPA 2023
	100	99.9		
	800	807		
	10	9.78		

Calibration Check					
Time Start	**12:30**	**Time Finish**	**12:45**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,667	28.78	± 10% of standard	EPA 2023
pH (SU)	4.00	4.08	28.78	± 0.1	GWMP
pH (SU)	7.00	7.03	28.02	± 0.1	GWMP
pH (SU)	10.00	9.98	27.61	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	21	± 10% of standard	EPA 2023
	100	97.8		
	800	781		
	10	9.85		

Notes:

C.3 Groundwater & Surface Water Laboratory Analytical Reports

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

September 08, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance Ash Pond 1
Work Order: 739488

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 21, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
739488001	ARK-AP1GWA-1	Ground Water	08/18/25 13:05	08/21/25 14:15
739488002	ARK-AP1GWA-2	Ground Water	08/18/25 13:35	08/21/25 14:15
739488003	ARK-AP1PZ-1	Ground Water	08/18/25 14:50	08/21/25 14:15
739488004	ARK-AP1PZ-2	Ground Water	08/18/25 15:48	08/21/25 14:15
739488005	ARK-AP1PZ-3	Ground Water	08/18/25 16:20	08/21/25 14:15
739488006	ARK-AP1PZ-4	Ground Water	08/18/25 17:10	08/21/25 14:15
739488007	ARK-AP1PZ-5	Ground Water	08/18/25 13:30	08/21/25 14:15
739488008	ARK-AP1PZ-7	Ground Water	08/18/25 15:45	08/21/25 14:15
739488009	ARK-AP1PZ-8	Ground Water	08/19/25 10:05	08/21/25 14:15
739488010	ARK-AP1PZ-10	Ground Water	08/19/25 09:40	08/21/25 14:15
739488011	ARK-AP1PZ-11	Ground Water	08/19/25 11:55	08/21/25 14:15
739488012	ARK-AP1-EB-01	Water	08/19/25 12:30	08/21/25 14:15
739488013	ARK-AP1-EB-02	Water	08/18/25 16:30	08/21/25 14:15
739488014	ARK-AP1-FD-01	Ground Water	08/18/25 12:00	08/21/25 14:15
739488015	ARK-AP1-FD-02	Ground Water	08/19/25 12:00	08/21/25 14:15
739488016	ARK-AP1-FB-01	Water	08/18/25 13:45	08/21/25 14:15

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

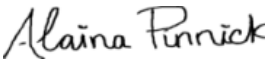
Method	Run Date ID
SW846 3005A	22-AUG-2025
SW846 7470A Prep	26-AUG-2025

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	21-AUG-2025
EPA 300.0	22-AUG-2025
SM 2540C	25-AUG-2025
SM 2540C	26-AUG-2025
SW846 3005A/6020B	05-SEP-2025
SW846 3005A/6020B	06-SEP-2025
SW846 7470A	27-AUG-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC003 Georgia Power Company

Client SDG: 739488 GEL Work Order: 739488

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1GWA-1	Project:	GPCC01924
Sample ID:	739488001	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	18-AUG-25 13:05		
Receive Date:	21-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		1.44	0.0670	0.200	mg/L		1	CWW	08/21/25	1923	2851511	1
Fluoride		0.253	0.0330	0.100	mg/L		1					
Sulfate		51.8	1.33	4.00	mg/L		10	CWW	08/21/25	2058	2851511	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	08/27/25	0959	2853207	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/05/25	2352	2851897	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0461	0.000670	0.00400	mg/L	1.00	1					
Beryllium		0.00141	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		15.7	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00400	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00499	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00926	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000347	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00315	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.119	0.00520	0.0150	mg/L	1.00	1	PRB	09/06/25	1303	2851897	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		147	2.38	10.0	mg/L			SC1	08/25/25	1211	2852572	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/26/25	1045	2853206
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/22/25	1510	2851895

GEL LABORATORIES LLC
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Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1GWA-1	Project:	GPCC01924
Sample ID:	739488001	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 8, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1GWA-2	Project:	GPCC01924
Sample ID:	739488002	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	18-AUG-25 13:35		
Receive Date:	21-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		1.94	0.0670	0.200	mg/L		1	CWW	08/21/25	2233	2851511	1
Fluoride	J	0.0531	0.0330	0.100	mg/L		1					
Sulfate		1.33	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	08/27/25	1006	2853207	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/06/25	0011	2851897	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0318	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		4.75	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00626	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.0198	0.00520	0.0150	mg/L	1.00	1	PRB	09/06/25	1311	2851897	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		77.0	2.38	10.0	mg/L			SC1	08/25/25	1211	2852572	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/22/25	1510	2851895
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/26/25	1045	2853206

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Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1GWA-2	Project:	GPCC01924
Sample ID:	739488002	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 8, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1PZ-1	Project:	GPCC01924
Sample ID:	739488003	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	18-AUG-25 14:50		
Receive Date:	21-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		2.05	0.0670	0.200	mg/L		1	CWW	08/21/25	2305	2851511	1
Fluoride	J	0.0558	0.0330	0.100	mg/L		1					
Sulfate		96.6	1.33	4.00	mg/L		10	CWW	08/22/25	0041	2851511	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	08/27/25	1007	2853207	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/06/25	0014	2851897	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0327	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		31.7	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00124	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00398	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000357	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.345	0.0260	0.0750	mg/L	1.00	5	PRB	09/06/25	1312	2851897	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		248	2.38	10.0	mg/L			SC1	08/25/25	1211	2852572	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/22/25	1510	2851895
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/26/25	1045	2853206

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Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1PZ-1	Project:	GPCC01924
Sample ID:	739488003	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 8, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1PZ-2	Project:	GPCC01924
Sample ID:	739488004	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	18-AUG-25 15:48		
Receive Date:	21-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		3.05	0.134	0.400	mg/L		2	CWW	08/22/25	0112	2851511	1
Fluoride	J	0.0706	0.0660	0.200	mg/L		2					
Sulfate		593	13.3	40.0	mg/L		100	CWW	08/22/25	0144	2851511	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	08/27/25	1009	2853207	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/06/25	0017	2851897	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0229	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	J	0.000528	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.115	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.0168	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.415	0.0260	0.0750	mg/L	1.00	5	PRB	09/06/25	1314	2851897	5
Calcium		161	0.400	1.00	mg/L	1.00	5					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		958	2.38	10.0	mg/L			SC1	08/25/25	1211	2852572	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/26/25	1045	2853206
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/22/25	1510	2851895

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Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1PZ-2	Project:	GPCC01924
Sample ID:	739488004	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 8, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID: ARK-AP1PZ-3
Sample ID: 739488005
Matrix: WG
Collect Date: 18-AUG-25 16:20
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		5.26	0.335	1.00	mg/L		5	CWW	08/22/25	0216	2851511	1
Fluoride	U	ND	0.165	0.500	mg/L		5					
Sulfate		1260	13.3	40.0	mg/L		100	CWW	08/22/25	0248	2851511	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	08/27/25	1014	2853207	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/06/25	0020	2851897	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0237	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium		0.00117	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0587	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.0605	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000279	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		1.52	0.104	0.300	mg/L	1.00	20	PRB	09/06/25	1315	2851897	5
Calcium		397	1.60	4.00	mg/L	1.00	20					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2040	2.38	10.0	mg/L			SC1	08/25/25	1211	2852572	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/22/25	1510	2851895
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/26/25	1045	2853206

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Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1PZ-3	Project:	GPCC01924
Sample ID:	739488005	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 8, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1PZ-4	Project:	GPCC01924
Sample ID:	739488006	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	18-AUG-25 17:10		
Receive Date:	21-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		5.22	0.335	1.00	mg/L		5	CWW	08/22/25	0320	2851511	1
Fluoride	J	0.175	0.165	0.500	mg/L		5					
Sulfate		1360	13.3	40.0	mg/L		100	CWW	08/22/25	0352	2851511	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	08/27/25	1015	2853207	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/06/25	0022	2851897	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0284	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000764	0.000300	0.00100	mg/L	1.00	1					
Lead	J	0.000524	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00557	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.00383	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		3.93	0.130	0.375	mg/L	1.00	25	PRB	09/06/25	1316	2851897	5
Calcium		390	2.00	5.00	mg/L	1.00	25					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2180	2.38	10.0	mg/L			SC1	08/25/25	1211	2852572	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/22/25	1510	2851895
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/26/25	1045	2853206

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Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1PZ-4	Project:	GPCC01924
Sample ID:	739488006	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 8, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1PZ-5	Project:	GPCC01924
Sample ID:	739488007	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	18-AUG-25 13:30		
Receive Date:	21-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		9.38	0.335	1.00	mg/L		5	CWW	08/22/25	0423	2851511	1
Fluoride	J	0.281	0.165	0.500	mg/L		5					
Sulfate		1940	26.6	80.0	mg/L		200	CWW	08/22/25	0455	2851511	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	08/27/25	1017	2853207	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/06/25	0025	2851897	4
Arsenic	J	0.00354	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0380	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0679	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.339	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.0355	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		7.34	0.520	1.50	mg/L	1.00	100	PRB	09/06/25	1318	2851897	5
Calcium		584	8.00	20.0	mg/L	1.00	100					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		3060	2.38	10.0	mg/L			SC1	08/25/25	1211	2852572	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/26/25	1045	2853206
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/22/25	1510	2851895

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Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1PZ-5	Project:	GPCC01924
Sample ID:	739488007	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 8, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1PZ-7	Project:	GPCC01924
Sample ID:	739488008	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	18-AUG-25 15:45		
Receive Date:	21-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		6.24	0.335	1.00	mg/L		5	CWW	08/22/25	0527	2851511	1
Fluoride	J	0.168	0.165	0.500	mg/L		5					
Sulfate		1330	13.3	40.0	mg/L		100	CWW	08/22/25	0703	2851511	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	08/27/25	1019	2853207	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/06/25	0028	2851897	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0251	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00281	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.00155	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		3.39	0.130	0.375	mg/L	1.00	25	PRB	09/06/25	1319	2851897	5
Calcium		346	2.00	5.00	mg/L	1.00	25					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2190	2.38	10.0	mg/L			SC1	08/25/25	1211	2852572	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/26/25	1045	2853206
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/22/25	1510	2851895

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Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1PZ-7	Project:	GPCC01924
Sample ID:	739488008	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 8, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID: ARK-AP1PZ-8
Sample ID: 739488009
Matrix: WG
Collect Date: 19-AUG-25 10:05
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		3.52	0.134	0.400	mg/L		2	CWW	08/22/25	0735	2851511	1
Fluoride	J	0.189	0.0660	0.200	mg/L		2					
Sulfate		643	13.3	40.0	mg/L		100	CWW	08/22/25	0806	2851511	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	08/27/25	1020	2853207	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/06/25	0031	2851897	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0350	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	J	0.000378	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000849	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00328	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.828	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		2.93	0.130	0.375	mg/L	1.00	25	PRB	09/06/25	1321	2851897	5
Calcium		310	2.00	5.00	mg/L	1.00	25					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1350	2.38	10.0	mg/L			CH6	08/26/25	1305	2853186	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/22/25	1510	2851895
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/26/25	1045	2853206

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Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1PZ-8	Project:	GPCC01924
Sample ID:	739488009	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 8, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1PZ-10	Project:	GPCC01924
Sample ID:	739488010	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	19-AUG-25 09:40		
Receive Date:	21-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		7.06	0.0670	0.200	mg/L		1	CWW	08/22/25	0838	2851511	1
Fluoride		0.403	0.0330	0.100	mg/L		1					
Sulfate		157	6.65	20.0	mg/L		50	CWW	08/22/25	0910	2851511	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	08/27/25	1022	2853207	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/06/25	0039	2851897	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0307	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00111	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.0260	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000991	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.360	0.0260	0.0750	mg/L	1.00	5	PRB	09/06/25	1325	2851897	5
Calcium		67.3	0.400	1.00	mg/L	1.00	5					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		434	2.38	10.0	mg/L			CH6	08/26/25	1305	2853186	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/26/25	1045	2853206
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/22/25	1510	2851895

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Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1PZ-10	Project:	GPCC01924
Sample ID:	739488010	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 8, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1PZ-11	Project:	GPCC01924
Sample ID:	739488011	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	19-AUG-25 11:55		
Receive Date:	21-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		1.38	0.0670	0.200	mg/L		1	CWW	08/22/25	0942	2851511	1
Fluoride	J	0.0633	0.0330	0.100	mg/L		1					
Sulfate		45.1	1.33	4.00	mg/L		10	CWW	08/22/25	1117	2851511	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	08/27/25	1024	2853207	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/06/25	0042	2851897	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0210	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		25.6	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000785	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.130	0.00520	0.0150	mg/L	1.00	1	PRB	09/06/25	1326	2851897	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		197	2.38	10.0	mg/L			CH6	08/26/25	1337	2853188	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/22/25	1510	2851895
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/26/25	1045	2853206

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Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1PZ-11	Project:	GPCC01924
Sample ID:	739488011	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 8, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1-EB-01	Project:	GPCC01924
Sample ID:	739488012	Client ID:	GPCC003
Matrix:	WQ		
Collect Date:	19-AUG-25 12:30		
Receive Date:	21-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	CWW	08/22/25	1357	2851511	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	08/27/25	1025	2853207	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/06/25	0044	2851897	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	09/06/25	1327	2851897	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			CH6	08/26/25	1337	2853188	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/26/25	1045	2853206
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/22/25	1510	2851895

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Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1-EB-01	Project:	GPCC01924
Sample ID:	739488012	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 8, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1-EB-02	Project:	GPCC01924
Sample ID:	739488013	Client ID:	GPCC003
Matrix:	WQ		
Collect Date:	18-AUG-25 16:30		
Receive Date:	21-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	CWW	08/22/25	1428	2851511	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	08/27/25	1027	2853207	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/06/25	0047	2851897	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	09/06/25	1328	2851897	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	08/25/25	1211	2852572	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/26/25	1045	2853206
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/22/25	1510	2851895

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Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1-EB-02	Project:	GPCC01924
Sample ID:	739488013	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 8, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1-FD-01	Project:	GPCC01924
Sample ID:	739488014	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	18-AUG-25 12:00		
Receive Date:	21-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		1.47	0.0670	0.200	mg/L		1	CWW	08/22/25	1708	2851511	1
Fluoride		0.251	0.0330	0.100	mg/L		1					
Sulfate		52.1	0.665	2.00	mg/L		5	CWW	08/22/25	1739	2851511	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	08/27/25	1028	2853207	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/06/25	0050	2851897	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0469	0.000670	0.00400	mg/L	1.00	1					
Beryllium		0.00144	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		15.9	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00406	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00488	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00922	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00347	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.115	0.00520	0.0150	mg/L	1.00	1	PRB	09/06/25	1329	2851897	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		138	2.38	10.0	mg/L			SC1	08/25/25	1211	2852572	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/22/25	1510	2851895
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/26/25	1045	2853206

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Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1-FD-01	Project:	GPCC01924
Sample ID:	739488014	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 8, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1-FD-02	Project:	GPCC01924
Sample ID:	739488015	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	19-AUG-25 12:00		
Receive Date:	21-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Sulfate		161	13.3	40.0	mg/L		100	CWW	08/22/25	1532	2851511	1
Chloride		6.96	0.134	0.400	mg/L		2	CWW	08/22/25	1811	2851511	2
Fluoride		0.414	0.0660	0.200	mg/L		2					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	08/27/25	1033	2853207	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/06/25	0053	2851897	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0293	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00103	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.0236	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000739	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.343	0.0260	0.0750	mg/L	1.00	5	PRB	09/06/25	1330	2851897	5
Calcium		63.7	0.400	1.00	mg/L	1.00	5					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		437	2.38	10.0	mg/L			CH6	08/26/25	1337	2853188	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/26/25	1045	2853206
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/22/25	1510	2851895

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Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1-FD-02	Project:	GPCC01924
Sample ID:	739488015	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 8, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1-FB-01	Project:	GPCC01924
Sample ID:	739488016	Client ID:	GPCC003
Matrix:	WQ		
Collect Date:	18-AUG-25 13:45		
Receive Date:	21-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	CWW	08/22/25	1604	2851511	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	08/27/25	1035	2853207	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/06/25	0055	2851897	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	09/06/25	1332	2851897	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	J	3.00	2.38	10.0	mg/L			SC1	08/25/25	1211	2852572	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/26/25	1045	2853206
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/22/25	1510	2851895

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Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1-FB-01	Project:	GPCC01924
Sample ID:	739488016	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 8, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1-FB-02	Project:	GPCC01924
Sample ID:	739488017	Client ID:	GPCC003
Matrix:	WQ		
Collect Date:	18-AUG-25 15:10		
Receive Date:	21-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	CWW	08/22/25	1636	2851511	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	08/27/25	1037	2853207	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/06/25	0058	2851897	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	09/06/25	1333	2851897	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	08/25/25	1211	2852572	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/22/25	1510	2851895
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/26/25	1045	2853206

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Certificate of Analysis

Report Date: September 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 1

Client Sample ID:	ARK-AP1-FB-02	Project:	GPCC01924
Sample ID:	739488017	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

QC Summary

Report Date: September 8, 2025

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **739488**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Ion Chromatography												
Batch 2851511												
QC1206210893 739488001 DUP												
Chloride			1.44		1.43	mg/L	0.6			(0%-20%)	CWW	08/21/25 19:54
Fluoride			0.253		0.252	mg/L	0.238	^		(+/-0.100)		
Sulfate			51.8		51.6	mg/L	0.224			(0%-20%)		08/21/25 21:30
QC1206210894 739488011 DUP												
Chloride			1.38		1.38	mg/L	0.224			(0%-20%)		08/22/25 10:14
Fluoride		J	0.0633	J	0.0617	mg/L	2.56	^		(+/-0.100)		
Sulfate			45.1		45.2	mg/L	0.0598			(0%-20%)		08/22/25 11:49
QC1206210892 LCS												
Chloride	5.00				4.74	mg/L			94.7	(90%-110%)		08/21/25 18:51
Fluoride	2.50				2.42	mg/L			96.9	(90%-110%)		
Sulfate	10.0				9.66	mg/L			96.6	(90%-110%)		
QC1206210891 MB												
Chloride				U	ND	mg/L						08/21/25 18:19
Fluoride				U	ND	mg/L						
Sulfate				U	ND	mg/L						

QC Summary

Workorder: **739488**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2851511										
QC1206210895 739488001 MS										
Chloride	5.00	1.44		6.28	mg/L		96.9	(90%-110%)	CWW	08/21/25 20:26
Fluoride	2.50	0.253		2.65	mg/L		96	(90%-110%)		
Sulfate	100	51.8		150	mg/L		97.8	(90%-110%)		08/21/25 22:02
QC1206210896 739488011 MS										
Chloride	5.00	1.38		6.13	mg/L		94.9	(90%-110%)		08/22/25 10:46
Fluoride	2.50	0.0633	J	2.44	mg/L		95.2	(90%-110%)		
Sulfate	100	45.1		144	mg/L		98.4	(90%-110%)		08/22/25 13:25
Metals Analysis - ICPMS										
Batch 2851897										
QC1206211569 LCS										
Antimony	0.0500			0.0480	mg/L		95.9	(80%-120%)	PRB	09/05/25 23:49
Arsenic	0.0500			0.0505	mg/L		101	(80%-120%)		
Barium	0.0500			0.0491	mg/L		98.1	(80%-120%)		
Beryllium	0.0500			0.0544	mg/L		109	(80%-120%)		
Boron	0.100			0.100	mg/L		100	(80%-120%)		09/06/25 13:02
Cadmium	0.0500			0.0522	mg/L		104	(80%-120%)		09/05/25 23:49
Calcium	2.00			2.08	mg/L		104	(80%-120%)		

QC Summary

Workorder: **739488**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2851897										
Chromium	0.0500			0.0491	mg/L		98.2	(80%-120%)	PRB	09/05/25 23:49
Cobalt	0.0500			0.0500	mg/L		99.9	(80%-120%)		
Lead	0.0500			0.0495	mg/L		99.1	(80%-120%)		
Lithium	0.0500			0.0509	mg/L		102	(80%-120%)		
Molybdenum	0.0500			0.0502	mg/L		100	(80%-120%)		
Selenium	0.0500			0.0494	mg/L		98.9	(80%-120%)		
Thallium	0.0500			0.0476	mg/L		95.1	(80%-120%)		
QC1206211568 MB										
Antimony			U	ND	mg/L					09/05/25 23:47
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					09/06/25 13:01
Cadmium			U	ND	mg/L					09/05/25 23:47
Calcium			U	ND	mg/L					

QC Summary

Workorder: **739488**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2851897											
Chromium				U	ND	mg/L				PRB	09/05/25 23:47
Cobalt				U	ND	mg/L					
Lead				U	ND	mg/L					
Lithium				U	ND	mg/L					
Molybdenum				U	ND	mg/L					
Selenium				U	ND	mg/L					
Thallium				U	ND	mg/L					
QC1206211570 739488001 MS											
Antimony	0.0500	U	ND		0.0483	mg/L		96.2	(75%-125%)		09/05/25 23:55
Arsenic	0.0500	U	ND		0.0511	mg/L		101	(75%-125%)		
Barium	0.0500		0.0461		0.0958	mg/L		99.4	(75%-125%)		
Beryllium	0.0500		0.00141		0.0560	mg/L		109	(75%-125%)		
Boron	0.100		0.119		0.216	mg/L		97.4	(75%-125%)		09/06/25 13:04
Cadmium	0.0500	U	ND		0.0524	mg/L		104	(75%-125%)		09/05/25 23:55
Calcium	2.00		15.7		17.9	mg/L		N/A	(75%-125%)		

QC Summary

Workorder: **739488**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2851897											
Chromium	0.0500	J	0.00400		0.0530	mg/L		98	(75%-125%)	PRB	09/05/25 23:55
Cobalt	0.0500		0.00499		0.0534	mg/L		96.9	(75%-125%)		
Lead	0.0500	U	ND		0.0487	mg/L		97.4	(75%-125%)		
Lithium	0.0500	J	0.00926		0.0602	mg/L		102	(75%-125%)		
Molybdenum	0.0500	J	0.000347		0.0505	mg/L		100	(75%-125%)		
Selenium	0.0500	J	0.00315		0.0525	mg/L		98.7	(75%-125%)		
Thallium	0.0500	U	ND		0.0470	mg/L		93.8	(75%-125%)		
QC1206211571 739488001 MSD											
Antimony	0.0500	U	ND		0.0478	mg/L	1.01	95.2	(0%-20%)		09/05/25 23:58
Arsenic	0.0500	U	ND		0.0498	mg/L	2.61	97.9	(0%-20%)		
Barium	0.0500		0.0461		0.0953	mg/L	0.549	98.4	(0%-20%)		
Beryllium	0.0500		0.00141		0.0548	mg/L	2.18	107	(0%-20%)		
Boron	0.100		0.119		0.212	mg/L	1.86	93.4	(0%-20%)		09/06/25 13:06
Cadmium	0.0500	U	ND		0.0504	mg/L	3.75	100	(0%-20%)		09/05/25 23:58
Calcium	2.00		15.7		17.7	mg/L	1.45	N/A	(0%-20%)		

QC Summary

Workorder: **739488**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2851897											
Chromium	0.0500	J	0.00400		0.0525	mg/L	0.96	97	(0%-20%)	PRB	09/05/25 23:58
Cobalt	0.0500		0.00499		0.0529	mg/L	1.07	95.8	(0%-20%)		
Lead	0.0500	U	ND		0.0484	mg/L	0.659	96.8	(0%-20%)		
Lithium	0.0500	J	0.00926		0.0594	mg/L	1.25	100	(0%-20%)		
Molybdenum	0.0500	J	0.000347		0.0499	mg/L	1.16	99.2	(0%-20%)		
Selenium	0.0500	J	0.00315		0.0521	mg/L	0.874	97.8	(0%-20%)		
Thallium	0.0500	U	ND		0.0462	mg/L	1.61	92.3	(0%-20%)		
QC1206211573 739488001 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		09/06/25 00:03
Arsenic		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Barium			46.1		9.33	ug/L	1.07		(0%-20%)		
Beryllium			1.41	J	0.311	ug/L	10.2		(0%-20%)		
Boron			119		26.3	ug/L	10.5		(0%-20%)		09/06/25 13:08
Cadmium		U	ND	U	ND	ug/L	N/A		(0%-20%)		09/06/25 00:03
Calcium			15700		3200	ug/L	1.66		(0%-20%)		

QC Summary

Workorder: **739488**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2851897										
Chromium	J	4.00	U	ND	ug/L	N/A		(0%-20%)	PRB	09/06/25 00:03
Cobalt		4.99		1.04	ug/L	4.59		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium	J	9.26	U	ND	ug/L	N/A		(0%-20%)		
Molybdenum	J	0.347	J	0.337	ug/L	386		(0%-20%)		
Selenium	J	3.15	U	ND	ug/L	N/A		(0%-20%)		
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Metals Analysis-Mercury										
Batch 2853207										
QC1206214084 739488001 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JM13	08/27/25 10:01
QC1206214083 LCS										
Mercury	0.00200			0.00225	mg/L		112	(80%-120%)		08/27/25 09:57
QC1206214082 MB										
Mercury			U	ND	mg/L					08/27/25 09:56
QC1206214085 739488001 MS										
Mercury	0.00200	U	ND	0.00191	mg/L		95.6	(75%-125%)		08/27/25 10:02

QC Summary

Workorder: **739488**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Solids Analysis										
Batch 2852572										
QC1206212810 739488007 DUP										
Total Dissolved Solids		3060		3050	mg/L	0.524		(0%-5%)	SC1	08/25/25 12:11
QC1206212808 LCS										
Total Dissolved Solids	300			306	mg/L		102	(95%-105%)		08/25/25 12:11
QC1206212807 MB										
Total Dissolved Solids			U	ND	mg/L					08/25/25 12:11
Batch 2853186										
QC1206214031 739357008 DUP										
Total Dissolved Solids	J	6.00	U	ND	mg/L	200	^		CH6	08/26/25 13:05
QC1206214029 LCS										
Total Dissolved Solids	300			302	mg/L		101	(95%-105%)		08/26/25 13:05
QC1206214028 MB										
Total Dissolved Solids			U	ND	mg/L					08/26/25 13:05
Batch 2853188										
QC1206214037 739488011 DUP										
Total Dissolved Solids		197		206	mg/L	4.47		(0%-5%)	CH6	08/26/25 13:37
QC1206214038 739494009 DUP										
Total Dissolved Solids		331		335	mg/L	1.2		(0%-5%)		08/26/25 13:37
QC1206214036 LCS										
Total Dissolved Solids	300			309	mg/L		103	(95%-105%)		08/26/25 13:37
QC1206214035 MB										
Total Dissolved Solids			J	4.00	mg/L					08/26/25 13:37

Notes:

QC Summary

Workorder: **739488**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
N	Metals--The Matrix spike sample recovery is not within specified control limits
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
Z	Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
d	5-day BOD--The 2:1 depletion requirement was not met for this sample
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
E	General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
FB	Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
R	Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.
B	The target analyte was detected in the associated blank.
e	5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes
x	Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Technical Case Narrative
Georgia Power Company
SDG #: 739488

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2851897

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2851895

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
739488001	ARK-AP1GWA-1
739488002	ARK-AP1GWA-2
739488003	ARK-AP1PZ-1
739488004	ARK-AP1PZ-2
739488005	ARK-AP1PZ-3
739488006	ARK-AP1PZ-4
739488007	ARK-AP1PZ-5
739488008	ARK-AP1PZ-7
739488009	ARK-AP1PZ-8
739488010	ARK-AP1PZ-10
739488011	ARK-AP1PZ-11
739488012	ARK-AP1-EB-01
739488013	ARK-AP1-EB-02
739488014	ARK-AP1-FD-01
739488015	ARK-AP1-FD-02
739488016	ARK-AP1-FB-01
739488017	ARK-AP1-FB-02
1206211568	Method Blank (MB)**ICP-MS**
1206211569	Laboratory Control Sample (LCS)
1206211573	739488001(ARK-AP1GWA-1L) Serial Dilution (SD)
1206211570	739488001(ARK-AP1GWA-1S) Matrix Spike (MS)
1206211571	739488001(ARK-AP1GWA-1SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Samples 739488003 (ARK-AP1PZ-1), 739488004 (ARK-AP1PZ-2), 739488005 (ARK-AP1PZ-3), 739488006 (ARK-AP1PZ-4), 739488007 (ARK-AP1PZ-5), 739488008 (ARK-AP1PZ-7), 739488009 (ARK-AP1PZ-8), 739488010 (ARK-AP1PZ-10) and 739488015 (ARK-AP1-FD-02) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	739488								
	003	**004**	**005**	**006**	**007**	**008**	**009**	**010**	**015**
Boron	5X	5X	20X	25X	100X	25X	25X	5X	5X
Calcium		5X	20X	25X	100X	25X	25X	5X	5X

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2853207

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2853206

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
739488001	ARK-AP1GWA-1
739488002	ARK-AP1GWA-2
739488003	ARK-AP1PZ-1
739488004	ARK-AP1PZ-2
739488005	ARK-AP1PZ-3
739488006	ARK-AP1PZ-4
739488007	ARK-AP1PZ-5
739488008	ARK-AP1PZ-7
739488009	ARK-AP1PZ-8
739488010	ARK-AP1PZ-10
739488011	ARK-AP1PZ-11
739488012	ARK-AP1-EB-01
739488013	ARK-AP1-EB-02
739488014	ARK-AP1-FD-01
739488015	ARK-AP1-FD-02
739488016	ARK-AP1-FB-01
739488017	ARK-AP1-FB-02
1206214082	Method Blank (MB)**CVAA**
1206214083	Laboratory Control Sample (LCS)
1206214084	739488001(ARK-AP1GWA-1D) Sample Duplicate (DUP)
1206214085	739488001(ARK-AP1GWA-1S) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2851511

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
739488001	ARK-AP1GWA-1
739488002	ARK-AP1GWA-2
739488003	ARK-AP1PZ-1
739488004	ARK-AP1PZ-2
739488005	ARK-AP1PZ-3
739488006	ARK-AP1PZ-4
739488007	ARK-AP1PZ-5
739488008	ARK-AP1PZ-7
739488009	ARK-AP1PZ-8
739488010	ARK-AP1PZ-10
739488011	ARK-AP1PZ-11
739488012	ARK-AP1-EB-01
739488013	ARK-AP1-EB-02
739488014	ARK-AP1-FD-01
739488015	ARK-AP1-FD-02
739488016	ARK-AP1-FB-01
739488017	ARK-AP1-FB-02
1206210891	Method Blank (MB)
1206210892	Laboratory Control Sample (LCS)
1206210893	739488001(ARK-AP1GWA-1) Sample Duplicate (DUP)
1206210894	739488011(ARK-AP1PZ-11) Sample Duplicate (DUP)
1206210895	739488001(ARK-AP1GWA-1) Matrix Spike (MS)
1206210896	739488011(ARK-AP1PZ-11) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following samples 1206210893 (ARK-AP1GWA-1DUP), 1206210894 (ARK-AP1PZ-11DUP), 1206210895 (ARK-AP1GWA-1MS), 1206210896 (ARK-AP1PZ-11MS), 739488001 (ARK-AP1GWA-1), 739488003 (ARK-AP1PZ-1), 739488004 (ARK-AP1PZ-2), 739488005 (ARK-AP1PZ-3), 739488006 (ARK-AP1PZ-4), 739488007 (ARK-AP1PZ-5), 739488008 (ARK-AP1PZ-7), 739488009 (ARK-AP1PZ-8), 739488010

(ARK-AP1PZ-10), 739488011 (ARK-AP1PZ-11), 739488014 (ARK-AP1-FD-01) and 739488015 (ARK-AP1-FD-02) were diluted because target analyte concentrations exceeded the calibration range.
Samples 739488004 (ARK-AP1PZ-2), 739488005 (ARK-AP1PZ-3), 739488006 (ARK-AP1PZ-4), 739488007 (ARK-AP1PZ-5), 739488008 (ARK-AP1PZ-7), 739488009 (ARK-AP1PZ-8) and 739488015 (ARK-AP1-FD-02) were diluted to minimize matrix effects on instrument performance.
Samples 1206210893 (ARK-AP1GWA-1DUP), 1206210894 (ARK-AP1PZ-11DUP), 1206210895 (ARK-AP1GWA-1MS), 1206210896 (ARK-AP1PZ-11MS), 739488001 (ARK-AP1GWA-1), 739488003 (ARK-AP1PZ-1), 739488004 (ARK-AP1PZ-2), 739488005 (ARK-AP1PZ-3), 739488006 (ARK-AP1PZ-4), 739488007 (ARK-AP1PZ-5), 739488008 (ARK-AP1PZ-7), 739488009 (ARK-AP1PZ-8), 739488010 (ARK-AP1PZ-10) and 739488011 (ARK-AP1PZ-11) were diluted based on historical data. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	739488									
	001	**003**	**004**	**005**	**006**	**007**	**008**	**009**	**010**	**011**
Chloride	1X	1X	2X	5X	5X	5X	5X	2X	1X	1X
Fluoride	1X	1X	2X	5X	5X	5X	5X	2X	1X	1X
Sulfate	10X	10X	100X	100X	100X	200X	100X	100X	50X	10X

Analyte	739488	
	014	**015**
Chloride	1X	2X
Fluoride	1X	2X
Sulfate	5X	100X

Miscellaneous Information

Manual Integrations
Samples 1206210893 (ARK-AP1GWA-1DUP), 1206210894 (ARK-AP1PZ-11DUP), 1206210895 (ARK-AP1GWA-1MS), 1206210896 (ARK-AP1PZ-11MS), 739488001 (ARK-AP1GWA-1), 739488002 (ARK-AP1GWA-2), 739488003 (ARK-AP1PZ-1), 739488004 (ARK-AP1PZ-2), 739488005 (ARK-AP1PZ-3), 739488006 (ARK-AP1PZ-4), 739488008 (ARK-AP1PZ-7), 739488009 (ARK-AP1PZ-8), 739488010 (ARK-AP1PZ-10), 739488011 (ARK-AP1PZ-11), 739488014 (ARK-AP1-FD-01) and 739488015 (ARK-AP1-FD-02) were manually integrated to correctly position the baseline as set in the calibration standards.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2852572

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
739488001	ARK-AP1GWA-1
739488002	ARK-AP1GWA-2
739488003	ARK-AP1PZ-1
739488004	ARK-AP1PZ-2
739488005	ARK-AP1PZ-3
739488006	ARK-AP1PZ-4
739488007	ARK-AP1PZ-5

739488008	ARK-AP1PZ-7
739488013	ARK-AP1-EB-02
739488014	ARK-AP1-FD-01
739488016	ARK-AP1-FB-01
739488017	ARK-AP1-FB-02
1206212807	Method Blank (MB)
1206212808	Laboratory Control Sample (LCS)
1206212810	739488007(ARK-AP1PZ-5) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2853186

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
739488009	ARK-AP1PZ-8
739488010	ARK-AP1PZ-10
1206214028	Method Blank (MB)
1206214029	Laboratory Control Sample (LCS)
1206214031	739357008(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2853188

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
739488011	ARK-AP1PZ-11
739488012	ARK-AP1-EB-01
739488015	ARK-AP1-FD-02
1206214035	Method Blank (MB)
1206214036	Laboratory Control Sample (LCS)
1206214037	739488011(ARK-AP1PZ-11) Sample Duplicate (DUP)
1206214038	739494009(ARK-ARAMW-8) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

739488
739492

Project # 175569434
GEL Quote #:
COC Number (1): 1 Sample Cooler(s) 6
PO Number: GPC82177-0005

gel.com | Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power — Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond 1 — Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jacob Ashe, Jackson Bankston, Max Moore — Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI	NI				NI	NI	NI				<-- Preservative Type (6)
									*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cmbd	Mercury (7470B)	Fe2+/ Mn2+ (6020B) Field Filtered				Comments (task_code: ARK-CCR-ASSMT-2025S2)
ARK-AP1PZ-10	08-19-25	0940	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-11	08-19-25	1155	N	N	WG			6		X		X	X	X	X					*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-AP1-EB-01	08-19-25	1230	EB	N	WQ			6		X		X	X	X	X					
ARK-AP1-EB-02	08-18-25	1630	EB	N	WQ			6		X		X	X	X	X					
ARK-AP1-FD-01	08-18-25	NA	FD	N	WG			6		X		X	X	X	X					
ARK-AP1-FD-02	08-19-25	NA	FD	N	WG			6		X		X	X	X	X					**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-AP1-FB-01	08-18-25	1345	FB	N	WQ			6		X		X	X	X	X					
ARK-AP1-FB-02	08-18-25	1510	FB	N	WQ			6		X		X	X	X	X					

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Jackson Bankston Stantec		8/21/25 0920	Solomon Bone		8/21/25
2						0920
3				Kaitlyn Eriksson		8/21/25 1415

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** 0-1 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Project # 175569434
GEL Quote #:
COC Number (1): 1 Sample Cooler(s) 6
PO Number: GPC82177-0005

gel.com | Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power — Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond 1 — Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jacob Ashe, Jackson Bankston, Max Moore — Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI	NI				NI	NI	NI				<-- Preservative Type (6)
									*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cmbd	Mercury (7470B)	Fe2+/ Mn2+ (6020B) Field Filtered				Comments (task_code: ARK-CCR-ASSMT-2025S2)
ARK-AP1GWA-1	08-18-25	1305	N	N	WG			6		X		X	X	X	X					
ARK-AP1GWA-2	08-18-25	1335	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-1	08-18-25	1450	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-2	08-18-25	1548	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-3	08-18-25	1620	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-4	08-18-25	1710	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-5	08-18-25	1330	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-7	08-18-25	1545	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-8	08-19-25	1005	N	N	WG			6		X		X	X	X	X					

*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Jackson Bankston Stantec		8/21/25	Solomon Jones		8/21/25
2			0920			0920
3				Kathryn Green		8/21/25 1415

> *For sample shipping and delivery details, see Sample Receipt & Review Form (SRR).*

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0-1 °C

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic Hg= Mercury
Ba = Barium Se= Selenium
Cd = Cadmium Ag= Silver
Cr = Chromium MR= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM 738496 739498 738499

Client: GPCC | SDG/AR/COC/Work Order: 739488 739492 739494 739495 | GEL PM: AP

Received By: KE | Date Received at GEL: 8·2·25

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-25 Daily Calibration Performed? Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler #1	0°		Cooler #6	0°	
Cooler #2	0°		Cooler #7	1°	
Cooler #3	0°		Cooler #8	1°	
Cooler #4	0°		Cooler #9	0°	
Cooler #5	0°		Cooler #10	0°	

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: 10: 739498 ARK-API-F001 If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials HH Date 8/22/25

☐ Continuation Form Required when selected

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW CONTINUATION FORM

Client: GPCC Received By: KE Date Received: 8.21.25 SDG/AR/COC/Work Order: _____

Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).
Cooler # 11	0.				
Cooler # 12	0.				

Additional Notes:

PM (or PMA) review: Initials HH Date 8/22/25 Page 2 of 2

List of current GEL Certifications as of 08 September 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

September 18, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance Relog:
Work Order: 739492

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 21, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
739492001	ARK-AP1GWA-1	Ground Water	08/18/25 13:05	08/21/25 14:15
739492002	ARK-AP1GWA-2	Ground Water	08/18/25 13:35	08/21/25 14:15
739492003	ARK-AP1PZ-1	Ground Water	08/18/25 14:50	08/21/25 14:15
739492004	ARK-AP1PZ-2	Ground Water	08/18/25 15:48	08/21/25 14:15
739492005	ARK-AP1PZ-3	Ground Water	08/18/25 16:20	08/21/25 14:15
739492006	ARK-AP1PZ-4	Ground Water	08/18/25 17:10	08/21/25 14:15
739492007	ARK-AP1PZ-5	Ground Water	08/18/25 13:30	08/21/25 14:15
739492008	ARK-AP1PZ-7	Ground Water	08/18/25 15:45	08/21/25 14:15
739492009	ARK-AP1PZ-8	Ground Water	08/19/25 10:05	08/21/25 14:15
739492010	ARK-AP1PZ-10	Ground Water	08/19/25 09:40	08/21/25 14:15
739492011	ARK-AP1PZ-11	Ground Water	08/19/25 11:55	08/21/25 14:15
739492012	ARK-AP1-EB-01	Water	08/19/25 12:30	08/21/25 14:15
739492013	ARK-AP1-EB-02	Water	08/18/25 16:30	08/21/25 14:15
739492014	ARK-AP1-FD-01	Ground Water	08/18/25 12:00	08/21/25 14:15
739492015	ARK-AP1-FD-02	Ground Water	08/19/25 12:00	08/21/25 14:15
739492016	ARK-AP1-FB-01	Water	08/18/25 13:45	08/21/25 14:15

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

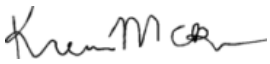
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	18-SEP-2025
EPA 903.1 Modified	18-SEP-2025
EPA 904.0/SW846 9320 Modified	29-AUG-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Kierra McKnight for
Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC003 Georgia Power Company

Client SDG: 739492 GEL Work Order: 739492

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

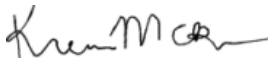
** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1GWA-1
Sample ID: 739492001
Matrix: WG
Collect Date: 18-AUG-25
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		3.01	+/-1.67	2.54	+/-1.87	3.00	pCi/L			JE1	08/29/25	1023	2851677	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		4.08	+/-1.74	2.54	+/-1.94		pCi/L		1	LXB3	09/18/25	1440	2851679	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.07	+/-0.485	0.553	+/-0.517	1.00	pCi/L			AW6	09/18/25	1020	2856019	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2851677	80.9	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
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Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1GWA-2 Project: GPCC01924
Sample ID: 739492002 Client ID: GPCC003
Matrix: WG
Collect Date: 18-AUG-25
Receive Date: 21-AUG-25
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.49	+/-1.16	1.82	+/-1.23	3.00	pCi/L			JE1	08/29/25	1023	2851677	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.33	+/-1.21	1.82	+/-1.29		pCi/L		1	LXB3	09/18/25	1440	2851679	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.839	+/-0.366	0.292	+/-0.388	1.00	pCi/L			AW6	09/18/25	1020	2856019	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2851677	70.2	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1PZ-1
Sample ID: 739492003
Matrix: WG
Collect Date: 18-AUG-25
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.03	+/-1.28	2.18	+/-1.32	3.00	pCi/L			JE1	08/29/25	1020	2851677	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.67	+/-1.37	2.18	+/-1.41		pCi/L		1	LXB3	09/18/25	1440	2851679	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.639	+/-0.481	0.707	+/-0.490	1.00	pCi/L			AW6	09/18/25	1020	2856019	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2851677	71.9	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
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Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1PZ-2
Sample ID: 739492004
Matrix: WG
Collect Date: 18-AUG-25
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		3.57	+/-1.64	2.26	+/-1.92	3.00	pCi/L			JE1	08/29/25	1027	2851677	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.96	+/-1.66	2.26	+/-1.94		pCi/L		1	LXB3	09/18/25	1440	2851679	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.392	+/-0.287	0.375	+/-0.299	1.00	pCi/L			AW6	09/18/25	1020	2856019	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2851677	75.9	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
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Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1PZ-3
Sample ID: 739492005
Matrix: WG
Collect Date: 18-AUG-25
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.12	+/-1.61	2.77	+/-1.64	3.00	pCi/L			JE1	08/29/25	1152	2851677	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.62	+/-1.65	2.77	+/-1.68		pCi/L		1	LXB3	09/18/25	1440	2851679	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.501	+/-0.346	0.436	+/-0.360	1.00	pCi/L			AW6	09/18/25	1020	2856019	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2851677	66.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1PZ-4
Sample ID: 739492006
Matrix: WG
Collect Date: 18-AUG-25
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		3.34	+/-1.57	2.08	+/-1.83	3.00	pCi/L			JE1	08/29/25	1024	2851677	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		6.28	+/-1.71	2.08	+/-2.00		pCi/L		1	LXB3	09/18/25	1440	2851679	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		2.94	+/-0.690	0.470	+/-0.812	1.00	pCi/L			AW6	09/18/25	1020	2856019	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2851677	70.6	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1PZ-5
Sample ID: 739492007
Matrix: WG
Collect Date: 18-AUG-25
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		4.08	+/-1.56	2.04	+/-1.94	3.00	pCi/L			JE1	08/29/25	1027	2851677	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		5.44	+/-1.64	2.04	+/-2.01		pCi/L		1	LXB3	09/18/25	1440	2851679	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.36	+/-0.509	0.519	+/-0.552	1.00	pCi/L			AW6	09/18/25	1020	2856019	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2851677	70.4	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1PZ-7
Sample ID: 739492008
Matrix: WG
Collect Date: 18-AUG-25
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.762	+/-1.23	2.14	+/-1.25	3.00	pCi/L			JE1	08/29/25	1027	2851677	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.31	+/-1.28	2.14	+/-1.30		pCi/L		1	LXB3	09/18/25	1440	2851679	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.549	+/-0.353	0.382	+/-0.363	1.00	pCi/L			AW6	09/18/25	1020	2856019	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2851677	72.6	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1PZ-8
Sample ID: 739492009
Matrix: WG
Collect Date: 19-AUG-25
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		3.93	+/-1.57	2.20	+/-1.91	3.00	pCi/L			JE1	08/29/25	1020	2851677	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		5.11	+/-1.64	2.20	+/-1.99		pCi/L		1	LXB3	09/18/25	1440	2851679	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.18	+/-0.474	0.452	+/-0.535	1.00	pCi/L			AW6	09/18/25	1052	2856019	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2851677	78.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Address : Company
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Atlanta, Georgia 30308 Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1PZ-10
Sample ID: 739492010
Matrix: WG
Collect Date: 19-AUG-25
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.83	+/-1.35	2.14	+/-1.44	3.00	pCi/L			JE1	08/29/25	1027	2851677	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.66	+/-1.41	2.14	+/-1.51		pCi/L		1	LXB3	09/18/25	1440	2851679	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.827	+/-0.404	0.463	+/-0.436	1.00	pCi/L			AW6	09/18/25	1052	2856019	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2851677	76.8	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1PZ-11
Sample ID: 739492011
Matrix: WG
Collect Date: 19-AUG-25
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.84	+/-1.65	2.52	+/-1.83	3.00	pCi/L			JE1	08/29/25	1027	2851677	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		18.9	+/-2.43	2.52	+/-3.63		pCi/L		1	LXB3	09/18/25	1440	2851679	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		16.0	+/-1.79	0.395	+/-3.14	1.00	pCi/L			AW6	09/18/25	1052	2856019	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2851677	84.9	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1-EB-01
Sample ID: 739492012
Matrix: WQ
Collect Date: 19-AUG-25
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		3.47	+/-1.51	1.93	+/-1.81	3.00	pCi/L			JE1	08/29/25	1027	2851677	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		4.12	+/-1.56	1.93	+/-1.85		pCi/L		1	LXB3	09/18/25	1440	2851679	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.655	+/-0.391	0.524	+/-0.408	1.00	pCi/L			AW6	09/18/25	1052	2856019	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2851677	60.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1-EB-02
Sample ID: 739492013
Matrix: WQ
Collect Date: 18-AUG-25
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		1.77	+/-1.18	1.77	+/-1.28	3.00	pCi/L			JE1	08/29/25	1024	2851677	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.76	+/-1.26	1.77	+/-1.36		pCi/L		1	LXB3	09/18/25	1440	2851679	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.989	+/-0.442	0.456	+/-0.465	1.00	pCi/L			AW6	09/18/25	1052	2856019	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2851677	68.9	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1-FD-01
Sample ID: 739492014
Matrix: WG
Collect Date: 18-AUG-25
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.05	+/-1.40	2.39	+/-1.43	3.00	pCi/L			JE1	08/29/25	1028	2851677	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.88	+/-1.55	2.39	+/-1.66		pCi/L		1	LXB3	09/18/25	1440	2851679	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		2.83	+/-0.678	0.314	+/-0.851	1.00	pCi/L			AW6	09/18/25	1052	2856019	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2851677	80.1	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Company : Georgia Power Company, Southern
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Atlanta, Georgia 30308 Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1-FD-02
Sample ID: 739492015
Matrix: WG
Collect Date: 19-AUG-25
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.54	+/-1.60	2.48	+/-1.75	3.00	pCi/L			JE1	08/29/25	1024	2851677	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.28	+/-1.65	2.48	+/-1.81		pCi/L		1	LXB3	09/18/25	1440	2851679	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.745	+/-0.401	0.380	+/-0.436	1.00	pCi/L			AW6	09/18/25	1052	2856019	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2851677	80.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
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Atlanta, Georgia 30308 Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1-FB-01
Sample ID: 739492016
Matrix: WQ
Collect Date: 18-AUG-25
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	2.06	+/-1.46	2.29	+/-1.58	3.00	pCi/L			JE1	08/29/25	1027	2851677	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.60	+/-1.50	2.29	+/-1.61		pCi/L		1	LXB3	09/18/25	1440	2851679	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.541	+/-0.316	0.318	+/-0.332	1.00	pCi/L			AW6	09/18/25	1052	2856019	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2851677	73.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Company : Georgia Power Company, Southern
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Atlanta, Georgia 30308 Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1-FB-02
Sample ID: 739492017
Matrix: WQ
Collect Date: 18-AUG-25
Receive Date: 21-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.921	+/-1.19	2.03	+/-1.22	3.00	pCi/L			JE1	08/29/25	1024	2851677	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.51	+/-1.24	2.03	+/-1.28		pCi/L		1	LXB3	09/18/25	1440	2851679	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.590	+/-0.361	0.376	+/-0.373	1.00	pCi/L			AW6	09/18/25	1125	2856019	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2851677	60.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 45
Analytical Batch: 2851679

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
739492001	ARK-AP1GWA-1
739492002	ARK-AP1GWA-2
739492003	ARK-AP1PZ-1
739492004	ARK-AP1PZ-2
739492005	ARK-AP1PZ-3
739492006	ARK-AP1PZ-4
739492007	ARK-AP1PZ-5
739492008	ARK-AP1PZ-7
739492009	ARK-AP1PZ-8
739492010	ARK-AP1PZ-10
739492011	ARK-AP1PZ-11
739492012	ARK-AP1-EB-01
739492013	ARK-AP1-EB-02
739492014	ARK-AP1-FD-01
739492015	ARK-AP1-FD-02
739492016	ARK-AP1-FB-01
739492017	ARK-AP1-FB-02

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **GFPC Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2851677

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
739492001	ARK-AP1GWA-1
739492002	ARK-AP1GWA-2
739492003	ARK-AP1PZ-1
739492004	ARK-AP1PZ-2
739492005	ARK-AP1PZ-3

739492006	ARK-AP1PZ-4
739492007	ARK-AP1PZ-5
739492008	ARK-AP1PZ-7
739492009	ARK-AP1PZ-8
739492010	ARK-AP1PZ-10
739492011	ARK-AP1PZ-11
739492012	ARK-AP1-EB-01
739492013	ARK-AP1-EB-02
739492014	ARK-AP1-FD-01
739492015	ARK-AP1-FD-02
739492016	ARK-AP1-FB-01
739492017	ARK-AP1-FB-02
1206211138	Method Blank (MB)
1206211139	739492001(ARK-AP1GWA-1) Sample Duplicate (DUP)
1206211140	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Recounts
Sample 1206211140 (LCS) was recounted due to high recovery. The recount is reported.
Sample 739492005 (ARK-AP1PZ-3) was recounted to verify sample results. Recount is reported.
Sample 1206211138 (MB) was recounted due to a suspected blank false positive. The recount is reported.

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2856019

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
739492001	ARK-AP1GWA-1
739492002	ARK-AP1GWA-2
739492003	ARK-AP1PZ-1
739492004	ARK-AP1PZ-2
739492005	ARK-AP1PZ-3
739492006	ARK-AP1PZ-4
739492007	ARK-AP1PZ-5
739492008	ARK-AP1PZ-7
739492009	ARK-AP1PZ-8
739492010	ARK-AP1PZ-10
739492011	ARK-AP1PZ-11
739492012	ARK-AP1-EB-01
739492013	ARK-AP1-EB-02
739492014	ARK-AP1-FD-01

739492015	ARK-AP1-FD-02
739492016	ARK-AP1-FB-01
739492017	ARK-AP1-FB-02
1206219497	Method Blank (MB)
1206219498	739492001(ARK-AP1GWA-1) Sample Duplicate (DUP)
1206219499	739492001(ARK-AP1GWA-1) Matrix Spike (MS)
1206219500	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
The matrix spike, 1206219499 (ARK-AP1GWA-1MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

QC Summary

Client : **Georgia Power Company, Southern Company**
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **739492**

Report Date: September 18, 2025

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2851677										
QC1206211139 739492001 DUP										
Radium-228		3.01	U	1.53	pCi/L	21.5		(0% - 100%)	JE1	08/29/2510:23
Uncert:		+/-1.67		+/-1.47						
TPU:		+/-1.87		+/-1.53						
QC1206211140 LCS										
Radium-228	78.7			97.2	pCi/L		123	(75%-125%)	JE1	08/29/2511:52
Uncert:				+/-6.05						
TPU:				+/-27.9						
QC1206211138 MB										
Radium-228			U	1.73	pCi/L				JE1	08/29/2511:52
Uncert:				+/-1.39						
TPU:				+/-1.47						
Rad Ra-226										
Batch 2856019										
QC1206219498 739492001 DUP										
Radium-226		1.07		1.76	pCi/L	48.4		(0% - 100%)	AW6	09/18/2511:25
Uncert:		+/-0.485		+/-0.607						
TPU:		+/-0.517		+/-0.697						
QC1206219500 LCS										
Radium-226	27.0			27.8	pCi/L		103	(75%-125%)	AW6	09/18/2511:25
Uncert:				+/-2.05						
TPU:				+/-5.69						
QC1206219497 MB										
Radium-226			U	0.117	pCi/L				AW6	09/18/2511:25
Uncert:				+/-0.253						
TPU:				+/-0.254						
QC1206219499 739492001 MS										
Radium-226	136	1.07		105	pCi/L		76.3	(75%-125%)	AW6	09/18/2511:25
Uncert:		+/-0.485		+/-8.94						
TPU:		+/-0.517		+/-20.0						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported

QC Summary

Workorder: **739492**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time

UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.
U	Analyte was analyzed for, but not detected above the Critical Level.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
** Indicates analyte is a surrogate/tracer compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

739488
739492

Project # 175569434
GEL Quote #:
COC Number [1]: 1 Sample Cooler(s) 6
PO Number: GPC82177-0005

gel.com | Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond 1 Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jacob Ashe, Jackson Bankston, Max Moore Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID *For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI	*Metals (6020B)	NI	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI	RAD 226-228 Cmbd	NI	Mercury (7470B)	NI	Fe2+/ Mn2+ (6020B) Field Filtered			<-- Preservative Type (6)
ARK-AP1PZ-10	08-19-25	0940	N	N	WG			6				X		X	X		X		X					
ARK-AP1PZ-11	08-19-25	1155	N	N	WG			6				X		X	X		X		X					
ARK-AP1-EB-01	08-19-25	1230	EB	N	WQ			6				X		X	X		X		X					
ARK-AP1-EB-02	08-18-25	1630	EB	N	WQ			6				X		X	X		X		X					
ARK-AP1-FD-01	08-18-25	NA	FD	N	WG			6				X		X	X		X		X					
ARK-AP1-FD-02	08-19-25	NA	FD	N	WG			6				X		X	X		X		X					
ARK-AP1-FB-01	08-18-25	1345	FB	N	WQ			6				X		X	X		X		X					
ARK-AP1-FB-02	08-18-25	1510	FB	N	WQ			6				X		X	X		X		X					

Comments (task_code: ARK-CCR-ASSMT-2025S2)

*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Jackson Bankston Stantec		8/21/25 0920	1		8/21/25 0920
2				2		
3				3	Kaitlyn Erikson	8/21/25 1415

TAT Requested: **Normal:** X **Rush:** ____ **Specify:** ____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0-1 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Project #: 175569434
GEL Quote #:
COC Number [1]: 1 Sample Cooler(s) 6
PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond 1 Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jacob Ashe, Jackson Bankston, Max Moore
Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	(7) Known or possible Hazards	Total number of containers	*Metals (6020B) NI	**Metals (6020B) NI	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cmbd NI	Mercury (7470B) NI	Fe2+/ Mn2+ (6020B) Field Filtered NI				Comments (task_code: ARK-CCR-ASSMT-2025S2)
ARK-AP1GWA-1	08-18-25	1305	N	N	WG			6		X		X	X	X	X					
ARK-AP1GWA-2	08-18-25	1335	N	N	WG			6		X		X	X	X	X					*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-AP1PZ-1	08-18-25	1450	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-2	08-18-25	1548	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-3	08-18-25	1620	N	N	WG			6		X		X	X	X	X					**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-AP1PZ-4	08-18-25	1710	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-5	08-18-25	1330	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-7	08-18-25	1545	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-8	08-19-25	1005	N	N	WG			6		X		X	X	X	X					

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Jackson Bankston	Stantec	8/21/25 0920	Solomon Pond		8/21/25 0920
2						
3				[illegible]		8/21/25 1415

TAT Requested: Normal: X Rush: ____ Specify: ________ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No
Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4
Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3
For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0-1 °C
Sample Collection Time Zone: [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

1.) Chain of Custody Number = Client Determined

2.) QC Codes: N = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, W=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM 738496 739498 738499

Client: GPCC | SDG/AR/COC/Work Order: 739488 739492 739494 739495 | GEL PM: AP

Received By: KE | Date Received at GEL: 8-21-25

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-25 Daily Calibration Performed? Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
Cooler #1	0°		Cooler #6	0°	
Cooler #2	0°		Cooler #7	1°	
Cooler #3	0°		Cooler #8	1°	
Cooler #4	0°		Cooler #9	0°	
Cooler #5	0°		Cooler #10	0°	

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: 10:739492 ARK-API-F001 If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials HH Date 8/22/25

☐ Continuation Form Required when selected

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW CONTINUATION FORM

Client: GPCC Received By: KE Date Received: 8-21-25 SDG/AR/COC/Work Order: _____

Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).
cooler # 11	0°				
cooler # 12	0°				

Additional Notes:

PM (or PMA) review: Initials _____ Date _____ Page ____ of ____

739488
739492

Project # 175569454
GEL Quote #:
COC Number (1): 1 Sample Cooler(s) 6
PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number:
GEL Project Manager: Alaina Pinnick

2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power — Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond 1 — Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jacob Ashe, Jackson Bankston, Max Moore — Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI	NI				NI	NI	NI				<-- Preservative Type (6)
									*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cmbd	Mercury (7470B)	Fe2+/ Mn2+ (6020B) Field Filtered				Comments (task_code: ARK-CCR-ASSMT-2025S2)
ARK-AP1PZ-10	08-19-25	0940	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-11	08-19-25	1155	N	N	WG			6		X		X	X	X	X					*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-AP1-EB-01	08-19-25	1230	EB	N	WQ			6		X		X	X	X	X					
ARK-AP1-EB-02	08-18-25	1630	EB	N	WQ			6		X		X	X	X	X					
ARK-AP1-FD-01	08-18-25	NA	FD	N	WG			6		X		X	X	X	X					
ARK-AP1-FD-02	08-19-25	NA	FD	N	WG			6		X		X	X	X	X					**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-AP1-FB-01	08-18-25	1345	FB	N	WQ			6		X		X	X	X	X					
ARK-AP1-FB-02	08-18-25	1510	FB	N	WQ			6		X		X	X	X	X					

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Jackson Bankston	Stantec	8/21/25 0920			8/21/25 0920
2						
3				Kaitlyn Eriksson		8/21/25 1415

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** 0-1 °C

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

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5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic, Hg= Mercury
Ba = Barium, Se= Selenium
Cd = Cadmium, Ag= Silver
Cr = Chromium, MR= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Project # 175569454
GEL Quote #:
COC Number (1): 1 Sample Cooler(s) 6
PO Number: GPC82177-0005

gel.com | Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

Client Name: Georgia Power Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond 1 Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jacob Ashe, Jackson Bankston, Max Moore Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI *Metals (6020B)	NI **Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Fe2+/ Mn2+ (6020B) Field Filtered				<-- Preservative Type (6)
ARK-AP1GWA-1	08-18-25	1305	N	N	WG			6		X		X	X	X	X					
ARK-AP1GWA-2	08-18-25	1335	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-1	08-18-25	1450	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-2	08-18-25	1548	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-3	08-18-25	1620	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-4	08-18-25	1710	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-5	08-18-25	1330	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-7	08-18-25	1545	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-8	08-19-25	1005	N	N	WG			6		X		X	X	X	X					

Comments (task_code: ARK-CCR-ASSMT-2025S2)

*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Jackson Bankston Stantec		8/21/25	Solomon Jones		8/21/25
2			0920			0920
3						8/21/25 1415

TAT Requested: **Normal:** X **Rush:** ____ **Specify:** ____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0-1 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review Form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM 738496 739498 738499

Client: GPCC | SDG/AR/COC/Work Order: 739488 739492 739494 739495 | GEL PM: AP

Received By: KE | Date Received at GEL: 8-21-25

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-25 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler #1	0°		Cooler #6	0°	
Cooler #2	0°		Cooler #7	1°	
Cooler #3	0°		Cooler #8	1°	
Cooler #4	0°		Cooler #9	0°	
Cooler #5	0°		Cooler #10	0°	

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: 10:739492 ARK-API-F001 If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials HH Date 8/22/25

☐ Continuation Form Required when selected

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW CONTINUATION FORM

Client: GPCC Received By: KE Date Received: 8·21·25 SDG/AR/COC/Work Order: _____

Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).
cooler # 11	0·				
cooler # 12	0·				

Additional Notes:

PM (or PMA) review: Initials HH Date 8/22/25 Page 2 of 2

List of current GEL Certifications as of 18 September 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

September 10, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance
Work Order: 740066

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 26, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
740066001	ARK-AP1PZ-9	Ground Water	08/22/25 11:25	08/26/25 15:15

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

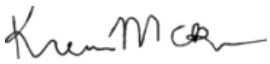
Method	Run Date ID
SW846 3005A	27-AUG-2025
SW846 7470A Prep	03-SEP-2025

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	26-AUG-2025
EPA 300.0	27-AUG-2025
SM 2540C	28-AUG-2025
SW846 3005A/6020B	09-SEP-2025
SW846 3005A/6020B	10-SEP-2025
SW846 7470A	04-SEP-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Kierra McKnight for
Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC003 Georgia Power Company

Client SDG: 740066 GEL Work Order: 740066

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

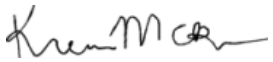
N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 10, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-AP1PZ-9	Project:	GPCC01924
Sample ID:	740066001	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	22-AUG-25 11:25		
Receive Date:	26-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		4.10	0.0670	0.200	mg/L		1	TXT1	08/26/25	2212	2853735	1
Fluoride		0.673	0.0330	0.100	mg/L		1					
Sulfate		288	3.33	10.0	mg/L		25	TXT1	08/27/25	0358	2853735	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/04/25	1346	2856872	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	RM4	09/09/25	1808	2853963	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0261	0.000670	0.00400	mg/L	1.00	1					
Cadmium		0.00147	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.108	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum	J	0.000396	0.000200	0.00100	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Calcium		76.0	0.800	2.00	mg/L	1.00	10	RM4	09/09/25	1745	2853963	5
Boron		0.771	0.0520	0.150	mg/L	1.00	10	RM4	09/10/25	1132	2853963	6
Beryllium		0.00103	0.000200	0.000500	mg/L	1.00	1	RM4	09/10/25	1145	2853963	7
Lithium		0.151	0.00300	0.0100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		530	2.38	10.0	mg/L			CH6	08/28/25	1325	2854363	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	08/27/25	1555	2853962
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/03/25	1200	2856870

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 10, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-AP1PZ-9	Project:	GPCC01924
Sample ID:	740066001	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

QC Summary

Report Date: September 10, 2025

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **740066**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Ion Chromatography												
Batch 2853735												
QC1206215098 740069001 DUP												
Chloride			5.07		5.12	mg/L	0.803			(0%-20%)	TXT1	08/26/25 23:15
Fluoride		J	0.0723	J	0.0720	mg/L	0.416	^		(+/-0.100)		
Sulfate			929		945	mg/L	1.65			(0%-20%)		08/27/25 10:57
QC1206215097 LCS												
Chloride	5.00				4.70	mg/L			94.1	(90%-110%)		08/26/25 19:36
Fluoride	2.50				2.36	mg/L			94.3	(90%-110%)		
Sulfate	10.0				9.29	mg/L			92.9	(90%-110%)		
QC1206215096 MB												
Chloride				U	ND	mg/L						08/26/25 19:04
Fluoride				U	ND	mg/L						
Sulfate				U	ND	mg/L						
QC1206215103 740069001 MS												
Chloride	5.00		5.07		10.5	mg/L			108	(90%-110%)		08/26/25 23:47
Fluoride	2.50	J	0.0723		2.58	mg/L			100	(90%-110%)		
Sulfate	1000		929		1950	mg/L			102	(90%-110%)		08/27/25 11:28

QC Summary

Workorder: **740066**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2853963										
QC1206215566 LCS										
Antimony	0.0500			0.0484	mg/L		96.9	(80%-120%)	RM4	09/09/25 17:14
Arsenic	0.0500			0.0529	mg/L		106	(80%-120%)		
Barium	0.0500			0.0506	mg/L		101	(80%-120%)		
Beryllium	0.0500			0.0571	mg/L		114	(80%-120%)		09/10/25 11:15
Boron	0.100			0.110	mg/L		110	(80%-120%)		
Cadmium	0.0500			0.0519	mg/L		104	(80%-120%)		09/09/25 17:14
Calcium	2.00			2.14	mg/L		107	(80%-120%)		
Chromium	0.0500			0.0500	mg/L		100	(80%-120%)		
Cobalt	0.0500			0.0506	mg/L		101	(80%-120%)		
Lead	0.0500			0.0499	mg/L		99.8	(80%-120%)		
Lithium	0.0500			0.0537	mg/L		107	(80%-120%)		09/10/25 11:15
Molybdenum	0.0500			0.0516	mg/L		103	(80%-120%)		09/09/25 17:14
Selenium	0.0500			0.0524	mg/L		105	(80%-120%)		09/10/25 11:15
Thallium	0.0500			0.0475	mg/L		95	(80%-120%)		09/09/25 17:14

QC Summary

Workorder: **740066**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2853963										
QC1206215565 MB										
Antimony			U	ND	mg/L				RM4	09/09/25 17:11
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					09/10/25 11:13
Boron			U	ND	mg/L					
Cadmium			U	ND	mg/L					09/09/25 17:11
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					09/10/25 11:13
Molybdenum			U	ND	mg/L					09/09/25 17:11
Selenium			U	ND	mg/L					09/10/25 11:13
Thallium			U	ND	mg/L					09/09/25 17:11

QC Summary

Workorder: **740066**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2853963											
QC1206215567 740064001 MS											
Antimony	0.0500	U	ND		0.0541	mg/L		108	(75%-125%)	RM4	09/09/25 17:19
Arsenic	0.0500	U	ND		0.0592	mg/L		115	(75%-125%)		
Barium	0.0500		0.0493		0.109	mg/L		120	(75%-125%)		
Beryllium	0.0500	U	ND		0.0583	mg/L		116	(75%-125%)		09/10/25 11:18
Boron	0.100		0.0246		0.138	mg/L		113	(75%-125%)		
Cadmium	0.0500	U	ND		0.0563	mg/L		113	(75%-125%)		09/09/25 17:19
Calcium	2.00		35.1		39.1	mg/L		N/A	(75%-125%)		
Chromium	0.0500	U	ND		0.0549	mg/L		109	(75%-125%)		
Cobalt	0.0500	U	ND		0.0544	mg/L		109	(75%-125%)		
Lead	0.0500	U	ND		0.0537	mg/L		107	(75%-125%)		
Lithium	0.0500	J	0.00337		0.0581	mg/L		109	(75%-125%)		09/10/25 11:18
Molybdenum	0.0500	J	0.000671		0.0598	mg/L		118	(75%-125%)		09/09/25 17:19
Selenium	0.0500	U	ND		0.0553	mg/L		110	(75%-125%)		09/10/25 11:18
Thallium	0.0500	U	ND		0.0517	mg/L		103	(75%-125%)		09/09/25 17:19

QC Summary

Workorder: **740066**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2853963											
QC1206215568 740064001 MSD											
Antimony	0.0500	U	ND		0.0553	mg/L	2.26	110	(0%-20%)	RM4	09/09/25 17:22
Arsenic	0.0500	U	ND		0.0605	mg/L	2.07	118	(0%-20%)		
Barium	0.0500		0.0493		0.109	mg/L	0.424	119	(0%-20%)		
Beryllium	0.0500	U	ND		0.0601	mg/L	3.12	120	(0%-20%)		09/10/25 11:20
Boron	0.100		0.0246		0.141	mg/L	2.35	116	(0%-20%)		
Cadmium	0.0500	U	ND		0.0579	mg/L	2.67	116	(0%-20%)		09/09/25 17:22
Calcium	2.00		35.1		39.8	mg/L	1.77	N/A	(0%-20%)		
Chromium	0.0500	U	ND		0.0557	mg/L	1.45	110	(0%-20%)		
Cobalt	0.0500	U	ND		0.0554	mg/L	1.92	111	(0%-20%)		
Lead	0.0500	U	ND		0.0546	mg/L	1.67	109	(0%-20%)		
Lithium	0.0500	J	0.00337		0.0599	mg/L	2.99	113	(0%-20%)		09/10/25 11:20
Molybdenum	0.0500	J	0.000671		0.0604	mg/L	0.902	119	(0%-20%)		09/09/25 17:22
Selenium	0.0500	U	ND		0.0577	mg/L	4.23	115	(0%-20%)		09/10/25 11:20
Thallium	0.0500	U	ND		0.0524	mg/L	1.3	105	(0%-20%)		09/09/25 17:22

QC Summary

Workorder: **740066**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2853963										
QC1206215570 740064001 SDILT										
Antimony	U	ND	U	ND	ug/L	N/A		(0%-20%)	RM4	09/09/25 17:28
Arsenic	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Barium		49.3		9.57	ug/L	2.92		(0%-20%)		
Beryllium	U	ND	U	ND	ug/L	N/A		(0%-20%)		09/10/25 11:23
Boron		24.6	J	5.68	ug/L	15.6		(0%-20%)		
Cadmium	U	ND	U	ND	ug/L	N/A		(0%-20%)		09/09/25 17:28
Calcium		35100		6850	ug/L	2.52		(0%-20%)		
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Cobalt	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium	J	3.37	U	ND	ug/L	N/A		(0%-20%)		09/10/25 11:23
Molybdenum	J	0.671	J	0.221	ug/L	64.7		(0%-20%)		09/09/25 17:28
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		09/10/25 11:23
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		09/09/25 17:28

QC Summary

Workorder: **740066**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Metals Analysis-Mercury												
Batch 2856872												
QC1206221334 738032004 DUP												
Mercury		U	ND	U	ND	mg/L	N/A				JP2	09/04/25 13:09
QC1206221333 LCS												
Mercury	0.00200				0.00197	mg/L			98.5	(80%-120%)		09/04/25 13:06
QC1206221332 MB												
Mercury				U	ND	mg/L						09/04/25 13:04
QC1206221335 738032004 MS												
Mercury	0.00200	U	ND		0.00199	mg/L			99.6	(75%-125%)		09/04/25 13:11
Solids Analysis												
Batch 2854363												
QC1206216414 739907002 DUP												
Total Dissolved Solids			13100		14100	mg/L	7.14	*		(0%-5%)	CH6	08/28/25 13:25
QC1206216413 LCS												
Total Dissolved Solids	300				300	mg/L			100	(95%-105%)		08/28/25 13:25
QC1206216412 MB												
Total Dissolved Solids				U	ND	mg/L						08/28/25 13:25

Notes:

The Qualifiers in this report are defined as follows:

- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- J Value is estimated
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- N Metals--The Matrix spike sample recovery is not within specified control limits
- H Analytical holding time was exceeded
- < Result is less than value reported
- > Result is greater than value reported
- h Preparation or preservation holding time was exceeded

QC Summary

Workorder: **740066**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

R	Sample results are rejected
Z	Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
d	5-day BOD--The 2:1 depletion requirement was not met for this sample
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
E	General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
FB	Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
R	Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.
B	The target analyte was detected in the associated blank.
e	5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes
x	Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Technical Case Narrative
Georgia Power Company
SDG #: 740066

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2853963

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2853962

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
740066001	ARK-AP1PZ-9
1206215565	Method Blank (MB)**ICP-MS**
1206215566	Laboratory Control Sample (LCS)
1206215570	740064001(ARK-ARGWA-14L) Serial Dilution (SD)
1206215567	740064001(ARK-ARGWA-14S) Matrix Spike (MS)
1206215568	740064001(ARK-ARGWA-14SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

CRDL/PQL Requirements
The CRDL standard recoveries for SW846 6020B met the advisory control limits with the exception of calcium. Client sample concentrations were less than the MDL and/or greater than two times the CRDL; therefore the data were not adversely affected.

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Sample 740066001 (ARK-AP1PZ-9) was diluted to ensure that the analyte concentration was within the linear calibration range of the instrument.

Analyte	**740066**
	001

Boron	10X
Calcium	10X

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2856872

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2856870

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
740066001	ARK-AP1PZ-9
1206221332	Method Blank (MB)**CVAA**
1206221333	Laboratory Control Sample (LCS)
1206221334	738032004(NonSDGD) Sample Duplicate (DUP)
1206221335	738032004(NonSDGS) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2853735

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
740066001	ARK-AP1PZ-9
1206215096	Method Blank (MB)
1206215097	Laboratory Control Sample (LCS)
1206215098	740069001(ARK-INW-01) Sample Duplicate (DUP)
1206215103	740069001(ARK-INW-01) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the

following exceptions.

Technical Information

Sample Dilutions
The following samples 1206215098 (ARK-INW-01DUP), 1206215103 (ARK-INW-01MS) and 740066001 (ARK-AP1PZ-9) were diluted because target analyte concentrations exceeded the calibration range. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	740066 001
Sulfate	25X

Miscellaneous Information

Manual Integrations
Sample 740066001 (ARK-AP1PZ-9) was manually integrated to correctly position the baseline as set in the calibration standards.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2854363

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
740066001	ARK-AP1PZ-9
1206216412	Method Blank (MB)
1206216413	Laboratory Control Sample (LCS)
1206216414	739907002(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Duplicate Relative Percent Difference (RPD) Statement
The Relative Percent Difference (RPD) between the sample and duplicate falls outside of the established acceptance limits because of the heterogeneous matrix of the sample:

Analyte	Sample	Value
Total Dissolved Solids	1206216414 (Non SDG 739907002DUP)	7.14* (0%-5%)

Miscellaneous Information

Additional Comments
A TDS meter was used to check the sample for approximate concentration prior to analysis. 1206216414 (Non SDG 739907002DUP).

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Project # 175569434
GEL Quote #:
COC Number [1]: 8 Sample Cooler(s) 1
PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

740066
740068

Client Name: Georgia Power Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond 1 Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jacob Ashe Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI *Metals (6020B)	NI **Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Fe2+/Mn2+ (6020B) Field Filtered				<-- Preservative Type (6)
ARK-AP1PZ-9	08-22-25	1125	N	N	WG			6		X		X	X	X	X					
																				*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
																				**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	[signature] Stantec		8/26/25	[signature]		8/26/25
2	[signature]		8/26/25 555 /0930	[signature]		8/26/25 1515 /0930
3						

TAT Requested: **Normal:** X **Rush:** ____ **Specify:** ____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** ____ °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, C = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

740064 740065 740066 740067
740070 740068 740064

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order:	GEL PM:
Received By: Joel Boatwright	Date Received at GEL: 8-26-25	

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-23 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
4480 4455 1801	5				
4480 4455 1569	4				
4480 4455 1737	2				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A) Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 52 CPM / mR/Hr. Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials KM Date 8/27/25

☐ Continuation Form Required when selected

List of current GEL Certifications as of 10 September 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

September 24, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance Relog: radiochem
Work Order: 740068

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 26, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
740068001	ARK-AP1PZ-9	Ground Water	08/22/25 11:25	08/26/25 15:15

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	24-SEP-2025
EPA 903.1 Modified	24-SEP-2025
EPA 904.0/SW846 9320 Modified	09-SEP-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,

Alaina Pinnick

Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC003 Georgia Power Company

Client SDG: 740068 GEL Work Order: 740068

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 24, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: radiochem

Client Sample ID: ARK-AP1PZ-9
Sample ID: 740068001
Matrix: WG
Collect Date: 22-AUG-25
Receive Date: 26-AUG-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	-0.785	+/-1.45	2.84	+/-1.45	3.00	pCi/L			CH7	09/09/25	1131	2854193	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	0.337	+/-1.49	2.84	+/-1.50		pCi/L		1	LXB3	09/24/25	0953	2868123	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.337	+/-0.357	0.560	+/-0.364	1.00	pCi/L			LB2	09/24/25	0802	2859206	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2854193	79	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

Radiochemistry
Technical Case Narrative
Georgia Power Company
SDG #: 740068

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 45
Analytical Batch: 2868123

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
740068001	ARK-AP1PZ-9

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **GFPC Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2854193

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
740068001	ARK-AP1PZ-9
1206215999	Method Blank (MB)
1206216000	740065001(ARK-ARGWA-14) Sample Duplicate (DUP)
1206216001	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Preparation Information

Homogenous Matrix
Sample 740068001 (ARK-AP1PZ-9) was non-homogenous matrix.
Sample 740068001 (ARK-AP1PZ-9) is a cloudy orange with red particles settled on the bottom.

Technical Information

Recounts
Sample 740068001 (ARK-AP1PZ-9) was recounted due to a suspected false positive. The recount is reported.

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2859206

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
740068001	ARK-AP1PZ-9
1206225894	Method Blank (MB)
1206225895	740068001(ARK-AP1PZ-9) Sample Duplicate (DUP)
1206225896	740068001(ARK-AP1PZ-9) Matrix Spike (MS)
1206225897	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
The matrix spike, 1206225896 (ARK-AP1PZ-9MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

QC Summary

Client : **Georgia Power Company, Southern Company**
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **740068**

Report Date: September 24, 2025

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2854193										
QC1206216000 740065001 DUP										
Radium-228	U	1.06	U	0.159	pCi/L	0		N/A	CH7	09/09/2509:59
	Uncert:	+/-1.08		+/-0.956						
	TPU:	+/-1.12		+/-0.957						
QC1206216001 LCS										
Radium-228	27.1			29.5	pCi/L		109	(75%-125%)	CH7	09/09/2509:59
	Uncert:			+/-1.84						
	TPU:			+/-8.45						
QC1206215999 MB										
Radium-228			U	0.385	pCi/L				CH7	09/09/2510:03
	Uncert:			+/-0.462						
	TPU:			+/-0.474						
Rad Ra-226										
Batch 2859206										
QC1206225895 740068001 DUP										
Radium-226	U	0.337	U	0.590	pCi/L	0		N/A	LB2	09/24/2509:17
	Uncert:	+/-0.357		+/-0.504						
	TPU:	+/-0.364		+/-0.513						
QC1206225897 LCS										
Radium-226	27.1			23.9	pCi/L		88.1	(75%-125%)	LB2	09/24/2509:17
	Uncert:			+/-2.31						
	TPU:			+/-5.56						
QC1206225894 MB										
Radium-226			U	0.339	pCi/L				LB2	09/24/2509:17
	Uncert:			+/-0.322						
	TPU:			+/-0.326						
QC1206225896 740068001 MS										
Radium-226	135 U	0.337		122	pCi/L		90.5	(75%-125%)	LB2	09/24/2509:17
	Uncert:	+/-0.357		+/-10.9						
	TPU:	+/-0.364		+/-24.7						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported

QC Summary

Workorder: **740068**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time

UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.
U	Analyte was analyzed for, but not detected above the Critical Level.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
** Indicates analyte is a surrogate/tracer compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

740066
740068

Project # 172569434
GEL Quote #:
COC Number [1]: 8 Sample Cooler(s) 1
PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power — Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond 1 — Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jacob Ashe — Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI *Metals (6020B)	NI **Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Fe2+/ Mn2+ (6020B) Field Filtered				<-- Preservative Type (6)
ARK-AP1PZ-9	08-22-25	1125	N	N	WG			6		X		X	X	X	X					

Comments (task_code: ARK-CCR-ASSMT-2025S2)

*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	[signature] Stantec		8/26/25	[signature]		8/26/25
2	[signature]		8/26/25 0930	[signature] Thermo Fisher		8/26/25 1515 0930
3						

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** ____ °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, C = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

740064 740065 740066 740067
740070 740068 740064

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order:	GEL PM:
Received By: Joel Boatwright	Date Received at GEL: 8-26-25	

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-23 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
4480 4455 1801	5				
4480 4455 1569	4				
4480 4455 1731	2				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A) Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): ___ CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials VM Date 8/27/25

☐ Continuation Form Required when selected

List of current GEL Certifications as of 24 September 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

Sample Receipt Acknowledgement

SDG/Report#	739492
Project ID	Arkwright CCR Groundwater Compliance Relog:
PO Number	GPC82177-0005
Project Manager	Alaina Pinnick
Receive Date	21-AUG-25 14:15
Prelim. Due	
Report Due	19-SEP-2025
EDD Required	Y
EDD Name	EFWEDD_FSample_GPCC_RAD_R5
Chain of Custody	
Turn Days	20(Working)

Client	Georgia Power Company
Report To	Joju Abraham Georgia Power Company, Southern Company 241 Ralph McGill Blvd NE, Bin 10160 Atlanta, Georgia 30308
Invoice To	Southern Accounts Payable - GPC Georgia Power, Southern Company PO Box 830961 Birmingham, Alabama 35283

GEL ID	Sample ID	Matrix	Collection Date	Analysis Requested, Rpt. Basis, *(due date, if applicable)*	Cntnrs
739492001	ARK-AP1GWA-1	WG	18-AUG-25 13:05	RAD 226-228 Cmbd, Wet	6
739492002	ARK-AP1GWA-2	WG	18-AUG-25 13:35	RAD 226-228 Cmbd, Wet	6
739492003	ARK-AP1PZ-1	WG	18-AUG-25 14:50	RAD 226-228 Cmbd, Wet	6
739492004	ARK-AP1PZ-2	WG	18-AUG-25 15:48	RAD 226-228 Cmbd, Wet	6
739492005	ARK-AP1PZ-3	WG	18-AUG-25 16:20	RAD 226-228 Cmbd, Wet	6
739492006	ARK-AP1PZ-4	WG	18-AUG-25 17:10	RAD 226-228 Cmbd, Wet	6
739492007	ARK-AP1PZ-5	WG	18-AUG-25 13:30	RAD 226-228 Cmbd, Wet	6
739492008	ARK-AP1PZ-7	WG	18-AUG-25 15:45	RAD 226-228 Cmbd, Wet	6
739492009	ARK-AP1PZ-8	WG	19-AUG-25 10:05	RAD 226-228 Cmbd, Wet	6
739492010	ARK-AP1PZ-10	WG	19-AUG-25 09:40	RAD 226-228 Cmbd, Wet	6
739492011	ARK-AP1PZ-11	WG	19-AUG-25 11:55	RAD 226-228 Cmbd, Wet	6
739492012 Field Blank	ARK-AP1-EB-01	WQ	19-AUG-25 12:30	RAD 226-228 Cmbd, Wet	6
739492013 Field Blank	ARK-AP1-EB-02	WQ	18-AUG-25 16:30	RAD 226-228 Cmbd, Wet	6
739492014	ARK-AP1-FD-01	WG	18-AUG-25 12:00	RAD 226-228 Cmbd, Wet	6
739492015	ARK-AP1-FD-02	WG	19-AUG-25 12:00	RAD 226-228 Cmbd, Wet	6
739492016 Field Blank	ARK-AP1-FB-01	WQ	18-AUG-25 13:45	RAD 226-228 Cmbd, Wet	6
739492017 Field Blank	ARK-AP1-FB-02	WQ	18-AUG-25 15:10	RAD 226-228 Cmbd, Wet	6

GEL Laboratories LLC

Sample Receipt Acknowledgement

SDG/Report#	739492	Client	Georgia Power Company
Project ID	Arkwright CCR Groundwater Compliance Relog:		

Analyte List

Analysis: RAD 226-228 Cmbd **Reference:**

Method(s): EPA 903.1 Modified, Calculation, EPA 904.0/SW846 9320 Modified

Analyte	CAS No.	Reporting Limit
Radium-226+228 Sum	E701037	
Radium-228	15262-20-1	3 pCi/L
Radium-226	13982-63-3	1 pCi/L

739488
739492

Project # 175569434
GEL Quote #:
COC Number (1): 1 Sample Cooler(s) 6
PO Number: GPC82177-0005

gel.com | Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number:

GEL Project Manager: Alaina Pinnick

2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power — Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond 1 — Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jacob Ashe, Jackson Bankston, Max Moore — Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID *For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI	*Metals (6020B)	NI **Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Fe2+/ Mn2+ (6020B) Field Filtered				<-- Preservative Type (6)
ARK-AP1PZ-10	08-19-25	0940	N	N	WG			6			X		X	X	X	X					
ARK-AP1PZ-11	08-19-25	1155	N	N	WG			6			X		X	X	X	X					
ARK-AP1-EB-01	08-19-25	1230	EB	N	WQ			6			X		X	X	X	X					
ARK-AP1-EB-02	08-18-25	1630	EB	N	WQ			6			X		X	X	X	X					
ARK-AP1-FD-01	08-18-25	NA	FD	N	WG			6			X		X	X	X	X					
ARK-AP1-FD-02	08-19-25	NA	FD	N	WG			6			X		X	X	X	X					
ARK-AP1-FB-01	08-18-25	1345	FB	N	WQ			6			X		X	X	X	X					
ARK-AP1-FB-02	08-18-25	1510	FB	N	WQ			6			X		X	X	X	X					

Comments (task_code: ARK-CCR-ASSMT-2025S2)

*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Jackson Bankston Stantec		8/21/25 0920	Solomon Ezeh		8/21/25 0920
2						
3				Kaitlyn Erikson		8/21/25 1415

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0-1 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Project # 175369434
GEL Quote #:
COC Number [1]: 1 Sample Cooler(s) 6
PO Number: GPC82177-0005

gel.com | Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power — Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond 1 — Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jacob Ashe, Jackson Bankston, Max Moore — Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI *Metals (6020B)	NI **Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	<-- Preservative Type (6)	Comments (task_code: ARK-CCR-ASSMT-2025S2)
ARK-AP1GWA-1	08-18-25	1305	N	N	WG			6		X		X	X	X	X			
ARK-AP1GWA-2	08-18-25	1335	N	N	WG			6		X		X	X	X	X			*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-AP1PZ-1	08-18-25	1450	N	N	WG			6		X		X	X	X	X			
ARK-AP1PZ-2	08-18-25	1548	N	N	WG			6		X		X	X	X	X			
ARK-AP1PZ-3	08-18-25	1620	N	N	WG			6		X		X	X	X	X			
ARK-AP1PZ-4	08-18-25	1710	N	N	WG			6		X		X	X	X	X			**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-AP1PZ-5	08-18-25	1330	N	N	WG			6		X		X	X	X	X			
ARK-AP1PZ-7	08-18-25	1545	N	N	WG			6		X		X	X	X	X			
ARK-AP1PZ-8	08-19-25	1005	N	N	WG			6		X		X	X	X	X			

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Jackson Bankston Stantec		8/21/25	Shannon Stone		8/21/25
2			0920			0920
3						8/21/25 1415

> *For sample shipping and delivery details, see Sample Receipt & Review Form (SRR).*

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0-1 °C

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

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5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
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RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM 738496 739498 738499

Client: GPCC | SDG/AR/COC/Work Order: 739488 739492 739494 739495 | GEL PM: AP

Received By: KE | Date Received at GEL: 8-21-25

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-25 Daily Calibration Performed? Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
Cooler #1	0°		Cooler #6	0°	
Cooler #2	0°		Cooler #7	1°	
Cooler #3	0°		Cooler #8	1°	
Cooler #4	0°		Cooler #9	0°	
Cooler #5	0°		Cooler #10	0°	

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: 10:739498 ARK-API-F001 If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials HH Date 8/22/25

☐ Continuation Form Required when selected

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW CONTINUATION FORM

Client: GPCC Received By: KE Date Received: 8.21.25 SDG/AR/COC/Work Order: _____

Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).
cooler # 11	0°				
cooler # 12	0°				

Additional Notes:

PM (or PMA) review: Initials _____ Date _____ Page ____ of ____

739488
739492

Project # 175569454
GEL Quote #:
COC Number (1): 1 Sample Cooler(s) 6
PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

Client Name: Georgia Power — Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond 1 — Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jacob Ashe, Jackson Bankston, Max Moore — Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI *Metals (6020B)	NI **Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	<-- Preservative Type (6)
ARK-AP1PZ-10	08-19-25	0940	N	N	WG			6		X		X	X	X	X		
ARK-AP1PZ-11	08-19-25	1155	N	N	WG			6		X		X	X	X	X		
ARK-AP1-EB-01	08-19-25	1230	EB	N	WQ			6		X		X	X	X	X		
ARK-AP1-EB-02	08-18-25	1630	EB	N	WQ			6		X		X	X	X	X		
ARK-AP1-FD-01	08-18-25	NA	FD	N	WG			6		X		X	X	X	X		
ARK-AP1-FD-02	08-19-25	NA	FD	N	WG			6		X		X	X	X	X		
ARK-AP1-FB-01	08-18-25	1345	FB	N	WQ			6		X		X	X	X	X		
ARK-AP1-FB-02	08-18-25	1510	FB	N	WQ			6		X		X	X	X	X		

Comments (task_code: ARK-CCR-ASSMT-2025S2)

*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Jackson Bankston	Stantec	8/21/25 0920	1		8/21/25 0920
2				2		
3				3	Kaitlyn Eriksson	8/21/25 1415

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR).*

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** 0-1 °C

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

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RCRA Metals
As = Arsenic Hg= Mercury
Ba = Barium Se= Selenium
Cd = Cadmium Ag= Silver
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Characteristic Hazards
FL = Flammable/Ignitable
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Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Project # 175569454
GEL Quote #:
COC Number (1): 1 Sample Cooler(s) 6
PO Number: GPC82177-0005

gel.com | Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number:

GEL Project Manager: Alaina Pinnick

2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power — Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond 1 — Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jacob Ashe, Jackson Bankston, Max Moore — Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI	NI				NI	NI	NI				<-- Preservative Type (6)
									*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cmbd	Mercury (7470B)	Fe2+/ Mn2+ (6020B) Field Filtered				Comments (task_code: ARK-CCR-ASSMT-2025S2)
ARK-AP1GWA-1	08-18-25	1305	N	N	WG			6		X		X	X	X	X					
ARK-AP1GWA-2	08-18-25	1335	N	N	WG			6		X		X	X	X	X					*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-AP1PZ-1	08-18-25	1450	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-2	08-18-25	1548	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-3	08-18-25	1620	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-4	08-18-25	1710	N	N	WG			6		X		X	X	X	X					**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-AP1PZ-5	08-18-25	1330	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-7	08-18-25	1545	N	N	WG			6		X		X	X	X	X					
ARK-AP1PZ-8	08-19-25	1005	N	N	WG			6		X		X	X	X	X					

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Jackson Bankston Stantec		8/21/25	Solomon Jones		8/21/25
2			0920			0920
3						8/21/25 1415

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0-1 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review Form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

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Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM 738496 739498 738499

Client: GPCC | SDG/AR/COC/Work Order: 739488 739492 739494 739495 | GEL PM: AP

Received By: KE | Date Received at GEL: 8·21·25

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-25 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler #1	0°		Cooler #6	0°	
Cooler #2	0°		Cooler #7	1°	
Cooler #3	0°		Cooler #8	1°	
Cooler #4	0°		Cooler #9	0°	
Cooler #5	0°		Cooler #10	0°	

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: 10: 739498 [ARK-API-F001] If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials HH Date 8/22/25

☐ Continuation Form Required when selected

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW CONTINUATION FORM

Client: GPCC Received By: KE Date Received: 8·21·25 SDG/AR/COC/Work Order: _____

Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).
cooler # 11	0·				
cooler # 12	0·				

Additional Notes:

PM (or PMA) review: Initials HH Date 8/22/25 Page 2 of 2

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

Sample Receipt Acknowledgement

SDG/Report#	740068
Project ID	Arkwright CCR Groundwater Compliance Relog: radiochem
PO Number	GPC82177-0005
Project Manager	Alaina Pinnick
Receive Date	26-AUG-25 15:15
Prelim. Due	
Report Due	24-SEP-2025
EDD Required	Y
EDD Name	EFWEDD_FSample_GPCC_RAD_R5
Chain of Custody	
Turn Days	20(Working)

Client	Georgia Power Company
Report To	Joju Abraham Georgia Power Company, Southern Company 241 Ralph McGill Blvd NE, Bin 10160 Atlanta, Georgia 30308
Invoice To	Southern Accounts Payable - GPC Georgia Power, Southern Company PO Box 830961 Birmingham, Alabama 35283

GEL ID	Sample ID	Matrix	Collection Date	Analysis Requested, Rpt. Basis, *(due date, if applicable)*	Cntnrs
740068001	ARK-AP1PZ-9	WG	22-AUG-25 11:25	RAD 226-228 Cmbd, Wet	6

Analyte List

Analysis: RAD 226-228 Cmbd **Reference:**

Method(s): EPA 903.1 Modified, Calculation, EPA 904.0/SW846 9320 Modified

Analyte	CAS No.	Reporting Limit
Radium-226+228 Sum	E701037	
Radium-228	15262-20-1	3 pCi/L
Radium-226	13982-63-3	1 pCi/L

Project # 175569434
GEL Quote #:
COC Number [1]: 8 Sample Cooler(s) 1
PO Number: GPC82177-0005

gel.com | Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

740066
740068

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond 1 Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jacob Ashe Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI *Metals (6020B)	NI **Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Fe2+/Mn2+ (6020B) Field Filtered				<-- Preservative Type (6)
ARK-AP1PZ-9	08-22-25	1125	N	N	WG			6		X		X	X	X	X					
																				*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
																				**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

Comments (task_code: ARK-CCR-ASSMT-2025S2)

Chain of Custody Signatures

Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Stantec	8/26/25	1		8/26/25
2		8/26/25 1550	2		8/26/25 1515
3			3		8/26/25 0930

TAT Requested: **Normal:** X **Rush:** _____ **Specify:** _____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** _____ °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

740064 740065 740066 740067
740070 740068 740064

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	**SDG/AR/COC/Work Order:**	**GEL PM:**
Received By: Joel Boatwright	**Date Received at GEL:** 8-26-25	

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-23 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
4480 4455 1801	5				
4480 4455 1569	4				
4480 4455 1731	2				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A) Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): ___ CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials VM Date 8/27/25

☐ Continuation Form Required when selected

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

September 12, 2025

Priya Rachel Johnson
ARCADIS US, Inc. - Atlanta
2839 Paces Ferry Rd
Suite 900
Atlanta, GA 30339

RE: Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

Dear Priya Johnson:

Enclosed are the analytical results for sample(s) received by the laboratory on August 19, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

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

Sincerely,

Maiya Parks
maiya.parks@pacelabs.com
770-734-4205
Project Manager

Enclosures

cc: Joju Abraham, Georgia Power-CCR
Jordan Gamble, ARCADIS US, Inc. - Atlanta
Ben Hodges, Southern Company
Jennifer Kolbe, Stantec Consulting
Laura Midkiff, Southern Company
Noelia Muskus Ruiz, Georgia Power
Tina Sullivan, ERM

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

CERTIFICATIONS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

Pace Analytical Services National

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

Pace Analytical Services Asheville

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

Pace Analytical Services West Columbia

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE SUMMARY

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92813786001	**ARK-BC-0.3**	Water	08/18/25 10:05	08/19/25 12:51
92813786002	**ARK-BC-0.1**	Water	08/18/25 09:51	08/19/25 12:51
92813786003	**ARK-OR-0.8**	Water	08/19/25 08:50	08/19/25 12:51
92813786004	**ARK-OR-0.1**	Water	08/19/25 09:56	08/19/25 12:51
92813786005	**ARK-OR-0.3**	Water	08/19/25 09:27	08/19/25 12:51
92813786006	**ARK-OR+0.25**	Water	08/19/25 10:15	08/19/25 12:51

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE ANALYTE COUNT

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92813786001	**ARK-BC-0.3**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	JJM1	11	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92813786002	**ARK-BC-0.1**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	JJM1	11	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92813786003	**ARK-OR-0.8**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	JJM1	11	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92813786004	**ARK-OR-0.1**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	JJM1	11	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92813786005	**ARK-OR-0.3**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	JJM1	11	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92813786006	**ARK-OR+0.25**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	JJM1	11	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE ANALYTE COUNT

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory

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

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

Sample: ARK-BC-0.3 **Lab ID: 92813786001** Collected: 08/18/25 10:05 Received: 08/19/25 12:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet							
Lithium	ND	ug/L	2.00	1	08/26/25 10:51	09/12/25 00:33	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**85.0**	mg/L	25.0	1		08/23/25 17:05		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**7.2**	mg/L	1.0	1		08/20/25 00:33	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/20/25 00:33	16984-48-8	
Sulfate	**5.6**	mg/L	1.0	1		08/20/25 00:33	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	08/23/25 02:14	08/25/25 09:17	7440-42-8	
Calcium	**9.0**	mg/L	5.0	1	08/23/25 02:14	08/25/25 09:17	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	mg/L	0.0020	1	08/25/25 03:15	08/29/25 14:33	7440-36-0	
Arsenic	ND	mg/L	0.0020	1	08/25/25 03:15	08/29/25 14:33	7440-38-2	
Barium	**0.036**	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:33	7440-39-3	
Beryllium	ND	mg/L	0.00040	1	08/25/25 03:15	08/29/25 14:33	7440-41-7	
Cadmium	ND	mg/L	0.00050	1	08/25/25 03:15	08/29/25 14:33	7440-43-9	
Chromium	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:33	7440-47-3	
Cobalt	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:33	7440-48-4	
Lead	ND	mg/L	0.0010	1	08/25/25 03:15	08/29/25 14:33	7439-92-1	
Molybdenum	ND	mg/L	0.010	1	08/25/25 03:15	08/29/25 14:33	7439-98-7	
Selenium	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:33	7782-49-2	
Thallium	ND	mg/L	0.00050	1	08/25/25 03:15	08/29/25 14:33	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia							
Mercury	ND	ug/L	0.20	1	08/21/25 19:45	08/21/25 23:11	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

Sample: ARK-BC-0.1 **Lab ID: 92813786002** Collected: 08/18/25 09:51 Received: 08/19/25 12:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet							
Lithium	ND	ug/L	2.00	1	08/26/25 10:51	09/12/25 00:36	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**96.0**	mg/L	25.0	1		08/23/25 17:05		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**7.2**	mg/L	1.0	1		08/20/25 01:59	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/20/25 01:59	16984-48-8	
Sulfate	**6.3**	mg/L	1.0	1		08/20/25 01:59	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	08/23/25 02:14	08/25/25 09:31	7440-42-8	
Calcium	**9.0**	mg/L	5.0	1	08/23/25 02:14	08/25/25 09:31	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	mg/L	0.0020	1	08/25/25 03:15	08/29/25 14:37	7440-36-0	
Arsenic	ND	mg/L	0.0020	1	08/25/25 03:15	08/29/25 14:37	7440-38-2	
Barium	**0.035**	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:37	7440-39-3	
Beryllium	ND	mg/L	0.00040	1	08/25/25 03:15	08/29/25 14:37	7440-41-7	
Cadmium	ND	mg/L	0.00050	1	08/25/25 03:15	08/29/25 14:37	7440-43-9	
Chromium	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:37	7440-48-4	
Lead	ND	mg/L	0.0010	1	08/25/25 03:15	08/29/25 14:37	7439-92-1	
Molybdenum	ND	mg/L	0.010	1	08/25/25 03:15	08/29/25 14:37	7439-98-7	
Selenium	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:37	7782-49-2	
Thallium	ND	mg/L	0.00050	1	08/25/25 03:15	08/29/25 14:37	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia							
Mercury	ND	ug/L	0.20	1	08/21/25 19:45	08/21/25 23:13	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

Sample: ARK-OR-0.8 **Lab ID: 92813786003** Collected: 08/19/25 08:50 Received: 08/19/25 12:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet							
Lithium	ND	ug/L	2.00	1	08/26/25 10:51	09/12/25 00:39	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**62.0**	mg/L	25.0	1		08/23/25 16:56		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**4.7**	mg/L	1.0	1		08/20/25 02:14	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/20/25 02:14	16984-48-8	
Sulfate	**6.4**	mg/L	1.0	1		08/20/25 02:14	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	08/23/25 02:14	08/25/25 09:34	7440-42-8	
Calcium	ND	mg/L	5.0	1	08/23/25 02:14	08/25/25 09:34	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	mg/L	0.0020	1	08/25/25 03:15	08/29/25 14:40	7440-36-0	
Arsenic	ND	mg/L	0.0020	1	08/25/25 03:15	08/29/25 14:40	7440-38-2	
Barium	**0.025**	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:40	7440-39-3	
Beryllium	ND	mg/L	0.00040	1	08/25/25 03:15	08/29/25 14:40	7440-41-7	
Cadmium	ND	mg/L	0.00050	1	08/25/25 03:15	08/29/25 14:40	7440-43-9	
Chromium	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:40	7440-47-3	
Cobalt	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:40	7440-48-4	
Lead	ND	mg/L	0.0010	1	08/25/25 03:15	08/29/25 14:40	7439-92-1	
Molybdenum	ND	mg/L	0.010	1	08/25/25 03:15	08/29/25 14:40	7439-98-7	
Selenium	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:40	7782-49-2	
Thallium	ND	mg/L	0.00050	1	08/25/25 03:15	08/29/25 14:40	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia							
Mercury	ND	ug/L	0.20	1	08/21/25 19:45	08/21/25 23:16	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

Sample: ARK-OR-0.1 **Lab ID: 92813786004** Collected: 08/19/25 09:56 Received: 08/19/25 12:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet							
Lithium	ND	ug/L	2.00	1	08/26/25 10:51	09/12/25 00:42	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**57.0**	mg/L	25.0	1		08/23/25 16:56		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**4.7**	mg/L	1.0	1		08/20/25 02:28	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/20/25 02:28	16984-48-8	
Sulfate	**6.5**	mg/L	1.0	1		08/20/25 02:28	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	08/23/25 02:14	08/25/25 09:36	7440-42-8	
Calcium	ND	mg/L	5.0	1	08/23/25 02:14	08/25/25 09:36	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	mg/L	0.0020	1	08/25/25 03:15	08/29/25 14:44	7440-36-0	
Arsenic	ND	mg/L	0.0020	1	08/25/25 03:15	08/29/25 14:44	7440-38-2	
Barium	**0.023**	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:44	7440-39-3	
Beryllium	ND	mg/L	0.00040	1	08/25/25 03:15	08/29/25 14:44	7440-41-7	
Cadmium	ND	mg/L	0.00050	1	08/25/25 03:15	08/29/25 14:44	7440-43-9	
Chromium	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:44	7440-47-3	
Cobalt	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:44	7440-48-4	
Lead	ND	mg/L	0.0010	1	08/25/25 03:15	08/29/25 14:44	7439-92-1	
Molybdenum	ND	mg/L	0.010	1	08/25/25 03:15	08/29/25 14:44	7439-98-7	
Selenium	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:44	7782-49-2	
Thallium	ND	mg/L	0.00050	1	08/25/25 03:15	08/29/25 14:44	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia							
Mercury	ND	ug/L	0.20	1	08/21/25 19:45	08/21/25 23:18	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

Sample: ARK-OR-0.3 **Lab ID: 92813786005** Collected: 08/19/25 09:27 Received: 08/19/25 12:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet							
Lithium	ND	ug/L	2.00	1	08/26/25 10:51	09/12/25 00:51	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**60.0**	mg/L	25.0	1		08/23/25 16:56		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**4.6**	mg/L	1.0	1		08/20/25 02:43	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/20/25 02:43	16984-48-8	
Sulfate	**6.4**	mg/L	1.0	1		08/20/25 02:43	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	08/23/25 02:14	08/25/25 09:45	7440-42-8	
Calcium	ND	mg/L	5.0	1	08/23/25 02:14	08/25/25 09:45	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	mg/L	0.0020	1	08/25/25 03:15	08/29/25 14:55	7440-36-0	
Arsenic	ND	mg/L	0.0020	1	08/25/25 03:15	08/29/25 14:55	7440-38-2	
Barium	**0.023**	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:55	7440-39-3	
Beryllium	ND	mg/L	0.00040	1	08/25/25 03:15	08/29/25 14:55	7440-41-7	
Cadmium	ND	mg/L	0.00050	1	08/25/25 03:15	08/29/25 14:55	7440-43-9	
Chromium	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:55	7440-48-4	
Lead	ND	mg/L	0.0010	1	08/25/25 03:15	08/29/25 14:55	7439-92-1	
Molybdenum	ND	mg/L	0.010	1	08/25/25 03:15	08/29/25 14:55	7439-98-7	
Selenium	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:55	7782-49-2	
Thallium	ND	mg/L	0.00050	1	08/25/25 03:15	08/29/25 14:55	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia							
Mercury	ND	ug/L	0.20	1	08/21/25 19:45	08/21/25 23:21	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

Sample: ARK-OR+0.25 **Lab ID: 92813786006** Collected: 08/19/25 10:15 Received: 08/19/25 12:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet							
Lithium	ND	ug/L	2.00	1	08/26/25 10:51	09/12/25 00:54	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**62.0**	mg/L	25.0	1		08/23/25 16:56		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**4.7**	mg/L	1.0	1		08/20/25 02:57	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/20/25 02:57	16984-48-8	
Sulfate	**6.5**	mg/L	1.0	1		08/20/25 02:57	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	08/23/25 02:14	08/25/25 09:48	7440-42-8	
Calcium	ND	mg/L	5.0	1	08/23/25 02:14	08/25/25 09:48	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	mg/L	0.0020	1	08/25/25 03:15	08/29/25 14:59	7440-36-0	
Arsenic	ND	mg/L	0.0020	1	08/25/25 03:15	08/29/25 14:59	7440-38-2	
Barium	**0.023**	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:59	7440-39-3	
Beryllium	ND	mg/L	0.00040	1	08/25/25 03:15	08/29/25 14:59	7440-41-7	
Cadmium	ND	mg/L	0.00050	1	08/25/25 03:15	08/29/25 14:59	7440-43-9	
Chromium	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:59	7440-48-4	
Lead	ND	mg/L	0.0010	1	08/25/25 03:15	08/29/25 14:59	7439-92-1	
Molybdenum	ND	mg/L	0.010	1	08/25/25 03:15	08/29/25 14:59	7439-98-7	
Selenium	ND	mg/L	0.0050	1	08/25/25 03:15	08/29/25 14:59	7782-49-2	
Thallium	ND	mg/L	0.00050	1	08/25/25 03:15	08/29/25 14:59	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia							
Mercury	ND	ug/L	0.20	1	08/21/25 19:45	08/21/25 23:24	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

QC Batch: 2584672
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92813786001, 92813786002, 92813786003, 92813786004, 92813786005, 92813786006

METHOD BLANK: R4272390-1 Matrix: Water
Associated Lab Samples: 92813786001, 92813786002, 92813786003, 92813786004, 92813786005, 92813786006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lithium	ug/L	ND	2.00	09/12/25 00:14	

LABORATORY CONTROL SAMPLE: R4272390-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	ug/L	50.0	48.0	96.0	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4272390-4 R4272390-5

Parameter	Units	L1890301-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	ug/L	154	50.0	50.0	196	197	83.3	85.1	75.0-125	0.456	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(770)734-4200

QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

QC Batch: 956012
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92813786001, 92813786002

METHOD BLANK: 4913726 Matrix: Water
Associated Lab Samples: 92813786001, 92813786002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	08/23/25 17:03	

LABORATORY CONTROL SAMPLE: 4913727

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	252	101	90-110	

SAMPLE DUPLICATE: 4913728

Parameter	Units	92813701001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	56.0	51.0	9	25	

SAMPLE DUPLICATE: 4913729

Parameter	Units	92813454007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

QC Batch: 956013
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92813786003, 92813786004, 92813786005, 92813786006

METHOD BLANK: 4913730 Matrix: Water
Associated Lab Samples: 92813786003, 92813786004, 92813786005, 92813786006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	08/23/25 16:51	

LABORATORY CONTROL SAMPLE: 4913731

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	234	94	90-110	

SAMPLE DUPLICATE: 4913732

Parameter	Units	92813816002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	85.0	81.0	5	25	

SAMPLE DUPLICATE: 4913733

Parameter	Units	92813927001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	102	104	2	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

QC Batch: 955068
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92813786001, 92813786002, 92813786003, 92813786004, 92813786005, 92813786006

METHOD BLANK: 4908745 Matrix: Water
Associated Lab Samples: 92813786001, 92813786002, 92813786003, 92813786004, 92813786005, 92813786006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	08/19/25 21:57	
Fluoride	mg/L	ND	0.10	08/19/25 21:57	
Sulfate	mg/L	ND	1.0	08/19/25 21:57	

LABORATORY CONTROL SAMPLE: 4908746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.8	102	90-110	
Fluoride	mg/L	2.5	2.7	108	90-110	
Sulfate	mg/L	50	50.6	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4908747 4908748

Parameter	Units	92813786001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	7.2	50	50	57.3	58.6	100	103	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	99	101	90-110	2	10	
Sulfate	mg/L	5.6	50	50	55.1	56.5	99	102	90-110	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4908749 4908750

Parameter	Units	92813808005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.4	50	50	52.0	53.6	99	103	90-110	3	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	100	102	90-110	2	10	
Sulfate	mg/L	18.2	50	50	66.6	68.2	97	100	90-110	2	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(770)734-4200

QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

QC Batch: 955491
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010D
Analysis Description: WC 6010D MET ICP
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92813786001, 92813786002, 92813786003, 92813786004, 92813786005, 92813786006

METHOD BLANK: 4910915 Matrix: Water
Associated Lab Samples: 92813786001, 92813786002, 92813786003, 92813786004, 92813786005, 92813786006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	ND	0.050	08/25/25 09:11	
Calcium	mg/L	ND	5.0	08/25/25 09:11	

LABORATORY CONTROL SAMPLE: 4910916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.4	0.42	104	80-120	
Calcium	mg/L	40	39.9	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4910917 4910918

Parameter	Units	92813786001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	ND	0.4	0.4	0.46	0.46	109	108	75-125	0	20	
Calcium	mg/L	9.0	40	40	48.9	47.8	100	97	75-125	2	20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

QC Batch: 955505
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92813786001, 92813786002, 92813786003, 92813786004, 92813786005, 92813786006

METHOD BLANK: 4910944 Matrix: Water
Associated Lab Samples: 92813786001, 92813786002, 92813786003, 92813786004, 92813786005, 92813786006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	08/29/25 14:26	
Arsenic	mg/L	ND	0.0020	08/29/25 14:26	
Barium	mg/L	ND	0.0050	08/29/25 14:26	
Beryllium	mg/L	ND	0.00040	08/29/25 14:26	
Cadmium	mg/L	ND	0.00050	08/29/25 14:26	
Chromium	mg/L	ND	0.0050	08/29/25 14:26	
Cobalt	mg/L	ND	0.0050	08/29/25 14:26	
Lead	mg/L	ND	0.0010	08/29/25 14:26	
Molybdenum	mg/L	ND	0.010	08/29/25 14:26	
Selenium	mg/L	ND	0.0050	08/29/25 14:26	
Thallium	mg/L	ND	0.00050	08/29/25 14:26	

LABORATORY CONTROL SAMPLE: 4910945

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	103	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.093	93	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Cadmium	mg/L	0.1	0.094	94	80-120	
Chromium	mg/L	0.1	0.098	98	80-120	
Cobalt	mg/L	0.1	0.10	102	80-120	
Lead	mg/L	0.1	0.095	95	80-120	
Molybdenum	mg/L	0.1	0.099	99	80-120	
Selenium	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.093	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4910946 4910947

Parameter	Units	92813808005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.096	0.097	95	97	75-125	1	20	
Barium	mg/L	0.016	0.1	0.1	0.11	0.11	93	93	75-125	0	20	
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	101	104	75-125	3	20	
Cadmium	mg/L	ND	0.1	0.1	0.095	0.094	95	94	75-125	0	20	
Chromium	mg/L	ND	0.1	0.1	0.095	0.096	94	96	75-125	1	20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4910946 4910947

Parameter	Units	92813808005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.093	0.095	93	95	75-125	3	20	
Molybdenum	mg/L	ND	0.1	0.1	0.096	0.095	95	95	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.095	0.098	95	98	75-125	3	20	
Thallium	mg/L	ND	0.1	0.1	0.093	0.095	93	95	75-125	2	20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

QC Batch: 955283
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92813786001, 92813786002, 92813786003, 92813786004, 92813786005, 92813786006

METHOD BLANK: 4909887 Matrix: Water
Associated Lab Samples: 92813786001, 92813786002, 92813786003, 92813786004, 92813786005, 92813786006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/21/25 22:20	

LABORATORY CONTROL SAMPLE: 4909888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4909889 4909890

Parameter	Units	92813527001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2	2	1.8	1.8	90	91	80-120	1	20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALIFIERS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92813786001	**ARK-BC-0.3**	3015	2584672	EPA 6020B	2584672
92813786002	**ARK-BC-0.1**	3015	2584672	EPA 6020B	2584672
92813786003	**ARK-OR-0.8**	3015	2584672	EPA 6020B	2584672
92813786004	**ARK-OR-0.1**	3015	2584672	EPA 6020B	2584672
92813786005	**ARK-OR-0.3**	3015	2584672	EPA 6020B	2584672
92813786006	**ARK-OR+0.25**	3015	2584672	EPA 6020B	2584672
92813786001	**ARK-BC-0.3**	SM 2540C-2020	956012		
92813786002	**ARK-BC-0.1**	SM 2540C-2020	956012		
92813786003	**ARK-OR-0.8**	SM 2540C-2020	956013		
92813786004	**ARK-OR-0.1**	SM 2540C-2020	956013		
92813786005	**ARK-OR-0.3**	SM 2540C-2020	956013		
92813786006	**ARK-OR+0.25**	SM 2540C-2020	956013		
92813786001	**ARK-BC-0.3**	EPA 9056A	955068		
92813786002	**ARK-BC-0.1**	EPA 9056A	955068		
92813786003	**ARK-OR-0.8**	EPA 9056A	955068		
92813786004	**ARK-OR-0.1**	EPA 9056A	955068		
92813786005	**ARK-OR-0.3**	EPA 9056A	955068		
92813786006	**ARK-OR+0.25**	EPA 9056A	955068		
92813786001	**ARK-BC-0.3**	EPA 3005A	955491	EPA 6010D	956117
92813786002	**ARK-BC-0.1**	EPA 3005A	955491	EPA 6010D	956117
92813786003	**ARK-OR-0.8**	EPA 3005A	955491	EPA 6010D	956117
92813786004	**ARK-OR-0.1**	EPA 3005A	955491	EPA 6010D	956117
92813786005	**ARK-OR-0.3**	EPA 3005A	955491	EPA 6010D	956117
92813786006	**ARK-OR+0.25**	EPA 3005A	955491	EPA 6010D	956117
92813786001	**ARK-BC-0.3**	EPA 3005A	955505	EPA 6020B	957516
92813786002	**ARK-BC-0.1**	EPA 3005A	955505	EPA 6020B	957516
92813786003	**ARK-OR-0.8**	EPA 3005A	955505	EPA 6020B	957516
92813786004	**ARK-OR-0.1**	EPA 3005A	955505	EPA 6020B	957516
92813786005	**ARK-OR-0.3**	EPA 3005A	955505	EPA 6020B	957516
92813786006	**ARK-OR+0.25**	EPA 3005A	955505	EPA 6020B	957516
92813786001	**ARK-BC-0.3**	EPA 7470A	955283	EPA 7470A	955962
92813786002	**ARK-BC-0.1**	EPA 7470A	955283	EPA 7470A	955962
92813786003	**ARK-OR-0.8**	EPA 7470A	955283	EPA 7470A	955962
92813786004	**ARK-OR-0.1**	EPA 7470A	955283	EPA 7470A	955962
92813786005	**ARK-OR-0.3**	EPA 7470A	955283	EPA 7470A	955962
92813786006	**ARK-OR+0.25**	EPA 7470A	955283	EPA 7470A	955962

Pace® Location Requested (City/State):
Pace Analytical Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92813786

92813786

Company Name:	ARCADIS US, Inc. - Atlanta	Contact/Report To:	Priya Johnson
Street Address:	2839 Paces Ferry Rd Suite 900 Atlanta, GA 30339	Phone #:	(618)790-6528
		E-Mail:	priya.johnson@arcadis.com
		Cc E-Mail:	Arcadis-Atl + GA Power Distribution List
Customer Project #:			
Project Name:	Plant Arkwright-CCR Ash Pond	Invoice To:	Accounts Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	AP-1	Purchase Order # (if applicable):	GPC82474-0003
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other		Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No
		Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other	DW PWSID # or WW Permit # as applicable:
		Date Results Requested: 5 Day TAT	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App. IV Metals + Hg	App. IV Metals - Li only	App. III Metals - B, Ca	TDS	Cl, F, SO4	Radium 226, 228 + Total Radium	Sample Comment	Preservation non-conformance identified for sample.
ARK-BC-0.3	WS	G	8/18/25	1005			6			X	X	X	X	X	X		
ARK-BC-0.1	WS	G	8/18/25	0951			6			X	X	X	X	X	X		
ARK-OR-0.8	WS	G	8/19/25	0850			6			X	X	X	X	X	X		
ARK-OR-0.1	WS	G	8/19/25	0956			6			X	X	X	X	X	X		
ARK-OR-0.3	WS	G	8/19/25	0927			6			X	X	X	X	X	X		
ARK-OR+0.25	WS	G	8/19/25	1015			6			X	X	X	X	X	X		

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Maiya Parks

AcctNum / Client ID:

Table #:

Profile / Template: 15836

Prelog / Bottle Ord. ID: EZ 3290814

Additional Instructions from Pace®:
ARK-CSURF-ASSMT-2025S2

Collected By:
(Printed Name) Garrett G.
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Arcadis	8/19/25 1251		8/19/25 1251	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

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

Effective Date: 05/24/2024

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

Sample Condition Upon Receipt

Client Name: Arcadis

Project #: **WO#: 92813786**

PM: MP Due Date: 08/26/25

CLIENT: GA-ArcadAtl

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

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

Date/Initials Person Examining Contents: 8/29/25 DW

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

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

Thermometer: ☐ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.0 Correction Factor: Add/Subtract (°C) 0

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

Cooler Temp Corrected (°C): 3.0

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

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

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

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

WO#: 92813786

PM: MP Due Date: 08/26/25

CLIENT: GA-ArcadAtl

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

Project #

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

Client Arcadis Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																													
1		1	1				2																						
2		1	1				2																						
3		1	1				2																						
4		1	1				2																						
5		1	1				2																						
6		1	1				2																						
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

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

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

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

September 12, 2025

Priya Rachel Johnson
ARCADIS US, Inc. - Atlanta
2839 Paces Ferry Rd
Suite 900
Atlanta, GA 30339

RE: Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813791

Dear Priya Johnson:

Enclosed are the analytical results for sample(s) received by the laboratory on August 19, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

Maiya Parks

Maiya Parks
maiya.parks@pacelabs.com
770-734-4205
Project Manager

Enclosures

cc: Joju Abraham, Georgia Power-CCR
Jordan Gamble, ARCADIS US, Inc. - Atlanta
Ben Hodges, Southern Company
Jennifer Kolbe, Stantec Consulting
Laura Midkiff, Southern Company
Noelia Muskus Ruiz, Georgia Power
Tina Sullivan, ERM

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

CERTIFICATIONS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813791

Pace Analytical Services Pennsylvania

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

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SAMPLE SUMMARY

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813791

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92813791001	**ARK-BC-0.3**	Water	08/18/25 10:05	08/19/25 12:51
92813791002	**ARK-BC-0.1**	Water	08/18/25 09:51	08/19/25 12:51
92813791003	**ARK-OR-0.8**	Water	08/19/25 08:50	08/19/25 12:51
92813791004	**ARK-OR-0.1**	Water	08/19/25 09:56	08/19/25 12:51
92813791005	**ARK-OR-0.3**	Water	08/19/25 09:27	08/19/25 12:51
92813791006	**ARK-OR+0.25**	Water	08/19/25 10:15	08/19/25 12:51

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SAMPLE ANALYTE COUNT

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813791

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92813791001	**ARK-BC-0.3**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92813791002	**ARK-BC-0.1**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92813791003	**ARK-OR-0.8**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92813791004	**ARK-OR-0.1**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92813791005	**ARK-OR-0.3**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92813791006	**ARK-OR+0.25**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813791

Sample: ARK-BC-0.3 **Lab ID: 92813791001** Collected: 08/18/25 10:05 Received: 08/19/25 12:51 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.00834 ± 0.154 (0.401) C:89% T:NA**	pCi/L	09/11/25 11:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.557 ± 0.369 (0.693) C:77% T:88%**	pCi/L	09/11/25 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.565 ± 0.523 (1.09)**	pCi/L	09/12/25 11:35	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813791

Sample: ARK-BC-0.1 **Lab ID: 92813791002** Collected: 08/18/25 09:51 Received: 08/19/25 12:51 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0230 ± 0.136 (0.350) C:87% T:NA**	pCi/L	09/11/25 11:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.594 ± 0.384 (0.715) C:80% T:81%**	pCi/L	09/11/25 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.617 ± 0.520 (1.07)**	pCi/L	09/12/25 11:35	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813791

Sample: ARK-OR-0.8 **Lab ID: 92813791003** Collected: 08/19/25 08:50 Received: 08/19/25 12:51 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0977 ± 0.148 (0.325) C:89% T:NA**	pCi/L	09/11/25 11:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.479 ± 0.353 (0.681) C:80% T:86%**	pCi/L	09/11/25 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.577 ± 0.501 (1.01)**	pCi/L	09/12/25 11:35	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813791

Sample: ARK-OR-0.1 **Lab ID: 92813791004** Collected: 08/19/25 09:56 Received: 08/19/25 12:51 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0150 ± 0.132 (0.346) C:90% T:NA**	pCi/L	09/11/25 11:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.559 ± 0.397 (0.764) C:79% T:82%**	pCi/L	09/11/25 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.574 ± 0.529 (1.11)**	pCi/L	09/12/25 11:35	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813791

Sample: ARK-OR-0.3 **Lab ID: 92813791005** Collected: 08/19/25 09:27 Received: 08/19/25 12:51 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0342 ± 0.195 (0.520) C:81% T:NA**	pCi/L	09/11/25 08:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.616 ± 0.370 (0.677) C:82% T:89%**	pCi/L	09/10/25 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.616 ± 0.565 (1.20)**	pCi/L	09/12/25 14:29	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813791

Sample: ARK-OR+0.25 **Lab ID: 92813791006** Collected: 08/19/25 10:15 Received: 08/19/25 12:51 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.00569 ± 0.131 (0.349) C:88% T:NA**	pCi/L	09/11/25 08:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.127 ± 0.320 (0.717) C:77% T:89%**	pCi/L	09/10/25 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.133 ± 0.451 (1.07)**	pCi/L	09/12/25 14:29	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813791

QC Batch: 767551
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92813791001, 92813791002, 92813791003, 92813791004

METHOD BLANK: 3741128 Matrix: Water
Associated Lab Samples: 92813791001, 92813791002, 92813791003, 92813791004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.532 ± 0.377 (0.726) C:73% T:90%	pCi/L	09/11/25 11:35	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813791

QC Batch: 768718
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92813791005, 92813791006

METHOD BLANK: 3746999 Matrix: Water
Associated Lab Samples: 92813791005, 92813791006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	-0.0909 ± 0.349 (0.831) C:81% T:86%	pCi/L	09/10/25 14:37	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813791

QC Batch: 768717
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92813791005, 92813791006

METHOD BLANK: 3746998 Matrix: Water
Associated Lab Samples: 92813791005, 92813791006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.296 ± 0.237 (0.455) C:88% T:NA	pCi/L	09/11/25 08:22	

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

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813791

QC Batch: 767550
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92813791001, 92813791002, 92813791003, 92813791004

METHOD BLANK: 3741127 Matrix: Water
Associated Lab Samples: 92813791001, 92813791002, 92813791003, 92813791004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0480 ± 0.173 (0.469) C:96% T:NA	pCi/L	09/11/25 08:30	

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

REPORT OF LABORATORY ANALYSIS

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALIFIERS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813791

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

Act - Activity

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

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

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Peachtree Corners, GA 30092
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813791

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92813791001	**ARK-BC-0.3**	EPA 9315	767550		
92813791002	**ARK-BC-0.1**	EPA 9315	767550		
92813791003	**ARK-OR-0.8**	EPA 9315	767550		
92813791004	**ARK-OR-0.1**	EPA 9315	767550		
92813791005	**ARK-OR-0.3**	EPA 9315	768717		
92813791006	**ARK-OR+0.25**	EPA 9315	768717		
92813791001	**ARK-BC-0.3**	EPA 9320	767551		
92813791002	**ARK-BC-0.1**	EPA 9320	767551		
92813791003	**ARK-OR-0.8**	EPA 9320	767551		
92813791004	**ARK-OR-0.1**	EPA 9320	767551		
92813791005	**ARK-OR-0.3**	EPA 9320	768718		
92813791006	**ARK-OR+0.25**	EPA 9320	768718		
92813791001	**ARK-BC-0.3**	Total Radium Calculation	770493		
92813791002	**ARK-BC-0.1**	Total Radium Calculation	770493		
92813791003	**ARK-OR-0.8**	Total Radium Calculation	770493		
92813791004	**ARK-OR-0.1**	Total Radium Calculation	770493		
92813791005	**ARK-OR-0.3**	Total Radium Calculation	770553		
92813791006	**ARK-OR+0.25**	Total Radium Calculation	770553		

WO# : 92813791

92813791

Pace® Location Requested (City/State):
Pace Analytical Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name:	ARCADIS US, Inc. - Atlanta	Contact/Report To:	Priya Johnson
Street Address:	2839 Paces Ferry Rd Suite 900 Atlanta, GA 30339	Phone #:	(618)790-6528
		E-Mail:	priya.johnson@arcadis.com
		Cc E-Mail:	Arcadis-Atl + GA Power Distribution List
Customer Project #:			
Project Name:	Plant Arkwright-CCR Ash Pond	Invoice To:	Accounts Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	AP-1	Purchase Order # (if applicable):	GPC82474-0003
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other		Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No
		Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other	DW PWSID # or WW Permit # as applicable:
		Date Results Requested: 5 Day TAT	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App. IV Metals + Hg	App. IV Metals - Li only	App. III Metals - B, Ca	TDS	Cl, F, SO4	Radium 226, 228 + Total Radium	Sample Comment
ARK-BC-0.3	WS	G	8/18/25	1005			6			X	X	X	X	X	X	
ARK-BC-0.1	WS	G	8/18/25	0951			6			X	X	X	X	X	X	
ARK-OR-0.8	WS	G	8/19/25	0850			6			X	X	X	X	X	X	
ARK-OR-0.1	WS	G	8/19/25	0956			6			X	X	X	X	X	X	
ARK-OR-0.3	WS	G	8/19/25	0927			6			X	X	X	X	X	X	
ARK-OR+0.25	WS	G	8/19/25	1015			6			X	X	X	X	X	X	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Maiya Parks

AcctNum / Client ID:

Table #:

Profile / Template: 15836

Prelog / Bottle Ord. ID: EZ 3290814

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
ARK-CSURF-ASSMT-2025S2

Collected By:
(Printed Name) Garrett G.
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature) Arcadis	Date/Time: 8/19/25 1251	Received by/Company: (Signature)	Date/Time: 8/19/25 1251	Tracking Number:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEx [ ] UPS [ ] Other	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1	

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

Effective Date: 05/24/2024

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

Sample Condition Upon Receipt

Client Name: Arcadis

Project #:

WO#: 92813791

PM: MP Due Date: 08/26/25

CLIENT: GA-ArcadAtl

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other:____ ☒ Client

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

Date/Initials Person Examining Contents: 8/19/25 DW

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

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

Thermometer: ☐ IR Gun ID: 083

Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temp: 3.0 Correction Factor: Add/Subtract (°C) 0

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

Cooler Temp Corrected (°C): 3.0

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

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

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

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

WO#: 92813791
PM: MP Due Date: 08/26/25
CLIENT: GA-ArcadAtl

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

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Me... ☐ Kernersville ☐

Client Arcadis Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1					2																									
2					2																									
3					2																									
4					2																									
5					2																									
6					2																									
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11																														
12																														

pH Adjustment Log for Preserved Samples

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

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

C.4 Data Quality Evaluation

DATA USABILITY SUMMARY

Steven Elliott (Stantec) reviewed four data packages from GEL Laboratories (GEL) for the analysis of water samples collected August 18 through 22, 2025, at the Georgia Power Arkwright Plant AP1 site. Samples were collected according to the Field Sampling Plan – Plant Arkwright (Amec Foster Wheeler, 2016).

Analyses requested included:

- SW-846 6020B – Metals, total and dissolved, by inductively coupled plasma - mass spectrometry (ICP/MS)
- SW-846 7470A – Mercury by manual cold-vapor
- EPA 300 Rev 2.1 – Chloride, fluoride, and sulfate by ion chromatography
- SM 2540C - 2015 – Total dissolved solids (TDS)
- EPA Method 904/ SW846 9320 Modified – Radium 228 by Gas Flow Proportional Counting
- EPA Method 903.1 Mod – Radium 226

Data were reviewed and validated as described in the field sampling plan and the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020). The results of the review/validation are discussed in this Data Usability Summary (DUS) and the associated Laboratory Data Review Checklists.

DATA REVIEW/VALIDATION RESULTS

Introduction

Twelve (12) groundwater samples, two (2) field blanks, two (2) equipment blanks, and two (2) field duplicate sample were analyzed for one or more of the analyses listed above. Table 1 lists the field identifications cross-referenced to laboratory identifications. Table 2 is a summary of qualified data. Tables 3a and 3b summarize field duplicate results.

Analytical Results

The data packages contain a minimum of one quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not detected results are reported as less than the value of the method detection limit (MDL).

Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody forms. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample condition upon receipt forms indicates all samples were received at a temperature of 2.0°C. All samples were analyzed within the technical holding time. No data were qualified.

Calibrations

Case narratives indicate Initial and continuing calibration verification data were within method acceptance criteria.

Blanks

Laboratory Method Blanks. No contamination was detected in any of the laboratory method blanks with the following exception:

SDG 739488

- TDS was detected in the method blank for batch 2853188 at concentrations below the laboratory Reporting Limit (RL). All associated detected sample results were either not detected or greater than 10 times the blank concentration and therefore no qualification was necessary.

Field Blanks. Field blanks (ARK-AP1-EB-01, ARK-AP1-FB-01, ARK-AP1-EB-02, and ARK-AP1-FB-02) were analyzed for the full suite of sample analyses and all analytes were not detected with the following exceptions:

SDG 739488

- TDS was detected in the blanks ARK-AP1-FB-01 (8/18, 3) at concentrations below the laboratory Reporting Limit (RL). All associated detected sample results were greater than 10 times the blank concentration and therefore no qualification was necessary.

SDG 739492

- Radium-228 was detected in the blank ARK-AP1-EB-01 (8/19, 3.47 pCi/L) at a concentration above the minimum detectable concentration (MDC). Associated sample results reported with results less than 10 times the blank concentration have been qualified as estimated with a high bias (J+).
- Radium-226 was detected in the blanks ARK-AP1-EB-01 and ARK-AP1-FB-01 (8/19, 0.655, 0.541 pCi/L) at a concentration above the MDC. Associated sample results reported with results less than 10 times the blank concentration have been qualified as estimated with a high bias (J+).
- Radium-226 was detected in the blank ARK-AP1-EB-02 and ARK-AP1-FB-02 (8/18, 0.989, 0.590 pCi/L) at a concentration above the MDC. Associated sample results reported with results less than 10 times the blank concentration have been qualified as estimated with a high bias (J+).

Laboratory Control Samples

Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met the laboratory acceptance criteria for all analyses.

Matrix Spike/Matrix Spike Duplicates

Site-specific MS/MSD precision and accuracy results were within the laboratory acceptance criteria.

Laboratory Duplicates

Appropriate analytical duplicates were analyzed and RPDs were within the laboratory acceptance criteria.

Analyte Quantitation and Sensitivity

All results were reported to the MDLs in mg/L, with the exception of radium data reported to the MDC in pCi/L.

Positive results that were less than the reporting limit (RL), but greater than the MDL were qualified "J," as estimated concentrations by the laboratory, due to increased uncertainty near the detection limit. These qualified results were retained in this assessment. Sample results reported between the MDL and RL are usable as estimated values with an unknown directional bias.

All RLs were less than five times (<5X) the reported MDLs.

Metals (6020): Several samples required dilution to bring the target boron and calcium concentrations into the calibration range. Elevated MDLs and RLs were reported as required.

Ions (300): Several samples required dilution to bring the target chloride, fluoride, and sulfate concentrations into the calibration range. Elevated MDLs and RLs were reported as required.

Field Precision

Two sets of field duplicate samples were collected for this sampling event (see Table 3a and 3b for sample/duplicate identification and precision calculations). The calculated RPDs between sample and duplicate were within the QAPP acceptance criteria of 25% for all analytes detected above five times the RL. For results reported less than five times the RL, with a difference between sample and duplicate less than two times the RL are also considered acceptable (qualified "A*"). All field duplicate precision was considered acceptable.

Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the affected property. A summary of qualified data is presented in Table 2 below.

References:

Amec Foster Wheeler, 2016. Arkwright Field Sampling Plan. October.

United State Environmental Protection Agency (USEPA), 2020. National Functional Guidelines for Superfund Inorganic Methods Data Review. November.

Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Analyses	Sample Date
ARK-AP1GWA-1	739488001	739488	6020B, 7470A, 300, 2540C	08/18/25 13:05
ARK-AP1GWA-2	739488002	739488	6020B, 7470A, 300, 2540C	08/18/25 13:35
ARK-AP1PZ-1	739488003	739488	6020B, 7470A, 300, 2540C	08/18/25 14:50
ARK-AP1PZ-2	739488004	739488	6020B, 7470A, 300, 2540C	08/18/25 15:48
ARK-AP1PZ-3	739488005	739488	6020B, 7470A, 300, 2540C	08/18/25 16:20
ARK-AP1PZ-4	739488006	739488	6020B, 7470A, 300, 2540C	08/18/25 17:10
ARK-AP1PZ-5	739488007	739488	6020B, 7470A, 300, 2540C	08/18/25 13:30
ARK-AP1PZ-7	739488008	739488	6020B, 7470A, 300, 2540C	08/18/25 15:45
ARK-AP1PZ-8	739488009	739488	6020B, 7470A, 300, 2540C	08/19/25 10:05
ARK-AP1PZ-10	739488010	739488	6020B, 7470A, 300, 2540C	08/19/25 09:40
ARK-AP1PZ-11	739488011	739488	6020B, 7470A, 300, 2540C	08/19/25 11:55
ARK-AP1-EB-01	739488012	739488	6020B, 7470A, 300, 2540C	08/19/25 12:30
ARK-AP1-EB-02	739488013	739488	6020B, 7470A, 300, 2540C	08/18/25 16:30
ARK-AP1-FD-01	739488014	739488	6020B, 7470A, 300, 2540C	08/18/25 12:00
ARK-AP1-FD-02	739488015	739488	6020B, 7470A, 300, 2540C	08/19/25 12:00
ARK-AP1-FB-01	739488016	739488	6020B, 7470A, 300, 2540C	08/18/25 13:45
ARK-AP1-FB-02	739488017	739488	6020B, 7470A, 300, 2540C	08/18/25 15:10
ARK-AP1PZ-9	740066001	740066	6020B, 7470A, 300, 2540C	08/22/25 11:25
ARK-AP1GWA-1	739492001	739492	903.1, 904	08/18/25 13:05
ARK-AP1GWA-2	739492002	739492	903.1, 904	08/18/25 13:35
ARK-AP1PZ-1	739492003	739492	903.1, 904	08/18/25 14:50
ARK-AP1PZ-2	739492004	739492	903.1, 904	08/18/25 15:48
ARK-AP1PZ-3	739492005	739492	903.1, 904	08/18/25 16:20
ARK-AP1PZ-4	739492006	739492	903.1, 904	08/18/25 17:10
ARK-AP1PZ-5	739492007	739492	903.1, 904	08/18/25 13:30
ARK-AP1PZ-7	739492008	739492	903.1, 904	08/18/25 15:45
ARK-AP1PZ-8	739492009	739492	903.1, 904	08/19/25 10:05

Field Identification	Laboratory Identification	SDG	Analyses	Sample Date
ARK-AP1PZ-10	739492010	739492	903.1, 904	08/19/25 09:40
ARK-AP1PZ-11	739492011	739492	903.1, 904	08/19/25 11:55
ARK-AP1-EB-01	739492012	739492	903.1, 904	08/19/25 12:30
ARK-AP1-EB-02	739492013	739492	903.1, 904	08/18/25 16:30
ARK-AP1-FD-01	739492014	739492	903.1, 904	08/18/25 12:00
ARK-AP1-FD-02	739492015	739492	903.1, 904	08/19/25 12:00
ARK-AP1-FB-01	739492016	739492	903.1, 904	08/18/25 13:45
ARK-AP1-FB-02	739492017	739492	903.1, 904	08/18/25 15:10
ARK-AP1PZ-9	740068001	740068	903.1, 904	08/22/25 11:25

Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification / Code	Reason for Qualification
ARK-AP1GWA-1	Radium-226	J+ / BFH	Detected in EB
ARK-AP1GWA-2	Radium-226	J+ / BFH	Detected in EB
ARK-AP1PZ-2	Radium-226	J+ / BFH	Detected in EB
ARK-AP1PZ-3	Radium-226	J+ / BFH	Detected in EB
ARK-AP1PZ-4	Radium-226	J+ / BFH	Detected in EB
ARK-AP1PZ-5	Radium-226	J+ / BFH	Detected in EB
ARK-AP1PZ-7	Radium-226	J+ / BFH	Detected in EB
ARK-AP1-FD-01	Radium-226	J+ / BFH	Detected in EB
ARK-AP1PZ-10	Radium-226	J+ / BFH	Detected in EB
ARK-AP1PZ-8	Radium-226	J+ / BFH	Detected in EB
ARK-AP1-FD-02	Radium-226	J+ / BFH	Detected in EB
ARK-AP1PZ-11	Radium-228	J+ / BFH	Detected in EB
ARK-AP1PZ-8	Radium-228	J+ / BFH	Detected in EB
ARK-AP1-FD-02	Radium-228	J+ / BFH	Detected in EB

BFL – Blank Field Low – detected in the field blank (FB) below the RL
BFH – Blank Field High – detected in the field blank (FB) above the RL
BLL – Blank Lab Low – detected in the laboratory blank (MB) below the RL
FD1 - Field duplicate had high RPD
J – estimated result
J+ – estimated data with a high bias

Table 3a – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD[a]	Qualified
ARK-AP1GWA-1/ ARK-AP1-FD-01	Chloride	1.44	1.47	2.1%	A
	Fluoride	0.253	0.251	<5*RL, <2*RL	A*
	Sulfate	51.8	52.1	0.6%	A
	Boron	0.119	0.115	3.4%	A
	Barium	0.0461	0.0469	<5*RL, <2*RL	A*
	Beryllium	0.00141	0.00144	<5*RL, <2*RL	A*
	Calcium	15.7	15.9	1.3%	A
	Chromium	0.00400 J	0.00406 J	<5*RL, <2*RL	A*
	Cobalt	0.00499	0.00488	<5*RL, <2*RL	A*
	Lithium	0.00926 J	0.00922 J	<5*RL, <2*RL	A*
	Molybdenum	0.000347 J	0.000200 U	<5*RL, <2*RL	A*
	Selenium	0.00315 J	0.00347 J	<5*RL, <2*RL	A*
	TDS	147	138	6.3%	A
	Radium 226	1.07	2.83	<5*RL, <2*RL	A*
	Radium 228	3.01	1.05 U	<5*RL, <2*RL	A*

[a] RPD = ((SR - DR)*200)/(SR + DR)
A - Acceptable Data; RPD <25% when both samples detected above 5x the RL.
A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.
J – Estimated detected.

Table 3b – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD[a]	Qualified
ARK-AP1PZ-10/ ARK-AP1-FD-02	Chloride	7.06	6.96	1.4%	A
	Fluoride	0.403	0.414	<5*RL, <2*RL	A*
	Sulfate	157	161	2.5%	A
	Boron	0.360	0.343	<5*RL, <2*RL	A*
	Barium	0.0307	0.0293	<5*RL, <2*RL	A*
	Cobalt	0.00111	0.00103	<5*RL, <2*RL	A*
	Lithium	0.0260	0.0236	<5*RL, <2*RL	A*
	Calcium	67.3	63.7	5.5%	A
	Molybdenum	0.000991 J	0.000739 J	<5*RL, <2*RL	A*
	TDS	434	437	0.7%	A
	Radium 226	0.827	0.745	<5*RL, <2*RL	A*
	Radium 228	1.83 U	2.54	<5*RL, <2*RL	A*

[a] RPD = ((SR - DR)*200)/(SR + DR)
A - Acceptable Data; RPD <25% when both samples detected above 5x the RL.
A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.
J – Estimated detected.