



**2026 ANNUAL GROUNDWATER
MONITORING REPORT**

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

July 31, 2026

Prepared for:

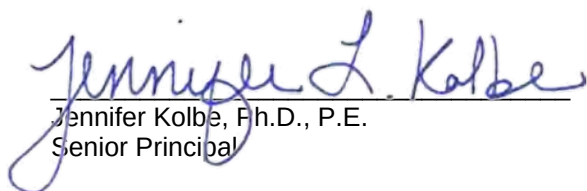


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**2026 Annual Groundwater Monitoring Report
Plant Arkwright Ash Pond 1 Landfill**

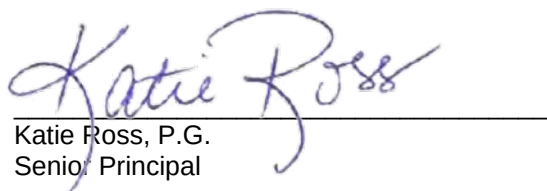
CERTIFICATION STATEMENT

This 2026 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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Senior Principal



July 31, 2026
Date


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July 31, 2026
Date



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Executive Summary

This summary of the *2026 Annual Groundwater Monitoring Report* provides the status of the groundwater monitoring program from July 2025 through June 2026 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 is located in Bibb County, Georgia. 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 2026 annual reporting period, Stantec conducted semi-annual groundwater sampling events in August 2025 and February 2026. 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 were sampled during the February 2026 sampling event and 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.



Plant Arkwright Ash Pond 1 Landfill



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 *2026 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 2026 annual report documents the activities completed between July 2025 and June 2026. Two groundwater monitoring events were conducted during this monitoring period in August 2025 and February 2026.

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



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1.0 Introduction

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 (**Figures 3 and 4**).

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 June 2026. 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 and February 2026 the wells and piezometers were inspected. Minor repairs were noted and addressed 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 (AP1GWC-7 and AP1GWC-8) at the toe of the slope near the Ocmulgee Riverbank and one (AP1GWC-6) near 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 and February 2026, 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. In February 2026, surface water samples were also submitted for analysis of total alkalinity, bicarbonate alkalinity, magnesium, potassium, and sodium.

The laboratory reports associated with the August 2025 and February 2026 sampling events 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 events completed in August 2025 and February 2026 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 maps (**Figures 3 and 4**). 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 $\left(\frac{\text{feet}}{\text{day}}\right)$

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

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

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 August 18, 2025, and February 02, 2026, groundwater elevations are presented in **Table 4**. The results for groundwater flow velocities ranged from 0.0042 feet/day to 0.0049 feet/day in the southern portion of the Site to 0.097 feet/day to 0.192 feet/day in the northeastern portion of the Site (1.5 to 1.8 and 35.3 to 70.0 feet/year, respectively). The observed groundwater flow velocities calculated for this monitoring period are generally consistent with expected velocities in the regolith-upper bedrock aquifers of the Georgia Piedmont. The range also represents the high and low flow velocities at the site based on the elongated shape of AP-1.



3.3 Groundwater Sampling

Groundwater samples were collected in August 2025 and February 2026. 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 three consecutive readings measured at 5-minute intervals.

- pH $\pm$ 0.1 Standard Units
- Specific conductance $\pm$ 5 %
- $\pm$ 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 2025 and February 2026. 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).

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**.



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Plant Arkwright Ash Pond 1 Landfill
3.0 Sample Methodology & Analyses

The August 2025 and February 2026 surface water samples were analyzed for 40 CFR Part 257 Appendix III and Appendix IV constituents. In February 2026, surface water samples were also submitted for analysis of total alkalinity, bicarbonate alkalinity, magnesium, potassium, and sodium. 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 and February 2026 groundwater and surface water sampling events 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 and February 2026 groundwater monitoring event and surface water sampling event are summarized in **Tables 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 *2026 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 and February 2026. The next semi-annual sampling event is scheduled for August 2026. The August 2026 semi-annual monitoring event will include sampling and analysis of the full suites of 40 CFR Part 257 Appendix III and IV constituents.



7.0 References

- Clark, W.Z., and Zisa, A.C., 1976, Physiographic Map of Georgia: 1:2,000,000, Georgia Department of Natural Resources, Geologic and Water Resources Division, Atlanta, Georgia.
- Driscoll, F.G. 1986. Ground Water and Wells, 2nd Edition, Johnson Filtration Systems, Inc., St. Paul. Minnesota, 1089p.
- Freeze, R.A. and Cherry, JA. 1979, Groundwater, Prentice-Hall, Englewood Cliffs, New Jersey, 604 pp.
- Jacobs, 2018. Limited Hydrogeological Assessment Report for Inactive CCR Landfill – Georgia Power Company Former Plant Arkwright – AP1 Landfill, Macon, Bibb County, Georgia., November 2018.
- Jacobs, 2021. Groundwater Monitoring Plan, Revision 1 – Georgia Power Company Former Plant Arkwright – AP1 Landfill, Permit No. 011-030D(LI), Bibb County, Georgia., September 2021.
- LeGrand, H. E. 1962. Geology and Ground-water Resources of the Macon Area, Georgia. The Geological Survey Bulletin No. 72.
- Southern Company Services, Inc., 2005. Plant Arkwright Ash Ponds 2 and 3 and Ash Monofill Site Acceptability Report, Revision 1.
- Stantec (2023). “Minor Modification AP-1: Update Groundwater Monitoring Plan.” Prepared for Southern Company Services, June 2023.
- US EPA, 1989. US EPA 530/SW-89-031 Interim Final RCRA Investigation (RFI) Guidance, Volume I and II.
- US EPA, 2002. Data Validation Standard Operating Procedures and Quality Assurance Manual., November 2002
- US EPA, 2023, Laboratory Services and Applied Science Division Operating Procedures for Surface Water Sampling LSASDPROC-201-R6, April 22, 2023.
- US EPA, 2023, Laboratory Services and Applied Science Division Operating Procedures for Groundwater Sampling LSASDPROC-301-R6, April 22, 2023.



TABLES



Table 1
Monitoring Well Network Summary
Georgia Power Company
Plant Arkwright - Ash Pond 1 Landfill
Macon, Bibb County, GA

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	1066048.70	2439463.20	342.37	345.40	318.58	308.58	37.16	Overburden/Bedrock	04/20/2018 ¹
AP1GWA-2	Detection	Upgradient	1065095.20	2439623.40	338.61	341.36	320.85	310.85	30.87	Overburden/Bedrock	04/20/2018 ¹
AP1GWC-6	Detection	Downgradient	1064625.98	2440237.30	331.53	334.61	296.41	286.41	48.80	Overburden	11/17/2025 ²
AP1GWC-7	Detection	Downgradient	1063904.02	2440168.21	305.53	305.66	293.07	283.07	23.19	Overburden	11/14/2025 ²
AP1GWC-8	Detection	Downgradient	1063260.83	2440183.44	305.27	305.42	291.89	281.89	24.13	Overburden	11/13/2025 ²
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	1062286.28	2440387.36	335.50	338.57	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	77.75	Overburden	05/15/2021
AP1PZ-8	Detection	Downgradient	1061721.72	2440362.39	334.94	338.31	282.74	272.74	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

Notes:

Elevations shown are in datum NAVD88, which indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.

Georgia State Plane NAD83 [East or West] Zone referenced for horizontal datum.

Survey points measured at nail or known reference point.

Groundwater Zone Screened references USCS ASTM 2488 Visual Manual Group Symbol or well survey.

*PWR- Partially Weathered Rock

Well screen elevations are calculated by subtracting the depths to top and bottom of the well screen from the ground surface elevation.

¹ Wells resurveyed on May 11, 2026

² Wells surveyed on Decemeber 29, 2025

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

Well ID	Hydraulic Location	Well Designation	August 18 2025 - August 22 2025	February 02 2026 - February 03 2026
			Assessment Event	Assessment Event
Georgia Power Company - Plant Arkwright - Ash Pond 1				
AP1GWA-1	Upgradient	Detection	X	X
AP1GWA-2	Upgradient	Detection	X	X
AP1GWC-6	Downgradient	Detection	Installed Nov. 2025	X
AP1GWC-7	Downgradient	Detection	Installed Nov. 2025	X
AP1GWC-8	Downgradient	Detection	Installed Nov. 2025	X
AP1PZ-1	Downgradient	Detection	X	X
AP1PZ-2	Downgradient	Detection	X	X
AP1PZ-3	Downgradient	Detection	X	X
AP1PZ-4	Downgradient	Detection	X	X
AP1PZ-5	Downgradient	Detection	X	X
AP1PZ-7	Downgradient	Detection	X	X
AP1PZ-8	Downgradient	Detection	X	X
AP1PZ-9	Downgradient	Detection	X	X
AP1PZ-10	Downgradient	Detection	X	X
AP1PZ-11	Downgradient	Detection	X	X

Notes:

X - Indicates well sampled during event

Assessment Event includes Appendix III and Appendix IV analytes.

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

		August 2025		February 2026	
Well ID	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
AP1GWA-1	345.40	24.01	321.43	27.71	317.73
AP1GWA-2	341.36	17.60	323.82	19.88	321.54
AP1GWC-6	334.61	Installed Nov. 2025		31.16	303.45
AP1GWC-7	305.66	Installed Nov. 2025		11.42	294.24
AP1GWC-8	305.42	Installed Nov. 2025		11.60	293.82
AP1PZ-1	338.97	44.58	294.39	45.51	293.46
AP1PZ-2	339.58	41.85	297.73	43.93	295.65
AP1PZ-3	338.57	42.81	295.76	44.49	294.08
AP1PZ-4	338.36	46.35	292.01	47.67	290.69
AP1PZ-5	339.81	48.24	291.57	49.32	290.49
AP1PZ-7	340.91	49.97	290.94	50.62	290.29
AP1PZ-8	338.31	46.09	292.22	47.13	291.18
AP1PZ-9	337.62	41.05	296.57	43.11	294.51
AP1PZ-10	338.38	39.31	299.07	41.38	297.00
AP1PZ-11	338.98	37.51	301.47	41.95	297.03

Notes:

NAVD88 indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.

Wells AP1GWA-1 and AP1GWA-2 Top of Casing listed is from May 11, 2026 re-survey, which was performed after the August 2025 and February 2026 gauging events were completed.

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	0.00891	0.11	0.20	0.0049	1.8
	AP1PZ-11 to AP1PZ-1	301.47	294.39	7.08	222	0.0319	1.20	0.20	0.192	70.0
February 2, 2026	AP1PZ-10 to AP1PZ-5	297.00	290.49	6.51	842	0.00773	0.11	0.20	0.0042	1.5
	AP1PZ-11 to AP1PZ-1	297.03	293.46	3.57	222	0.0161	1.20	0.20	0.097	35.3

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, GA

Sample Location		AP1GWA-1		AP1GWA-2		AP1GWC-6	AP1GWC-7	AP1GWC-8
Sample Date		08/18/2025	02/02/2026	08/18/2025	02/02/2026	02/02/2026	02/02/2026	02/02/2026
ANALYTE	UNITS							
APPENDIX III								
Boron	mg/L	0.119	0.114	0.0198	0.0391	0.178	0.482	3.41
Calcium	mg/L	15.7	15.6	4.75	8.57	32.0	39.0	203
Chloride	mg/L	1.44	1.81	1.94	1.90	2.29	3.40	3.85
Fluoride	mg/L	0.253	0.290	0.0531 J	0.0766 J	0.0541 J	< 0.0330	0.126
pH, Field	SU	5.30	5.33	5.89	5.98	5.82	5.62	5.48
Sulfate	mg/L	51.8	45.9	1.33	10.6	101	130	783
TDS	mg/L	147	129	77.0	78.0	216	223	1260
APPENDIX IV								
Antimony	mg/L	< 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	< 0.00200
Barium	mg/L	0.0461	0.0522	0.0318	0.0561	0.0378	0.0431	0.0174
Beryllium	mg/L	0.00141	0.00143	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	0.000366 J
Chromium	mg/L	0.00400 J	0.00413 J	0.00626 J	0.00489 J	< 0.00300	< 0.00300	< 0.00300
Cobalt	mg/L	0.00499	0.00446	< 0.000300	0.000588 J	0.0171	0.000598 J	0.0112
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Lithium	mg/L	0.00926 J	0.00913 J	< 0.00300	< 0.00300	0.00544 J	< 0.00300	0.0255
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	0.000347 J	< 0.000200	< 0.000200	< 0.000200	0.000273 J	< 0.000200	< 0.000200
Combined Radium 226 + 228	pCi/L	4.08	2.06	2.33	2.37	1.83	1.88 U	1.69 U
Selenium	mg/L	0.00315 J	0.00342 J	< 0.00150	< 0.00150	< 0.00150	< 0.00150	0.00780
Thallium	mg/L	< 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

< - 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.

H - Sample analysis performed beyond the recognized method holding time.

Radium - 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.

TDS - Total Dissolved Solids

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

Sample Location		AP1PZ-1		AP1PZ-2		AP1PZ-3		AP1PZ-4	
Sample Date		08/18/2025	02/02/2026	08/18/2025	02/02/2026	08/18/2025	02/02/2026	08/18/2025	02/02/2026
ANALYTE	UNITS								
APPENDIX III									
Boron	mg/L	0.345	0.361	0.415	0.425	1.52	1.74	3.93	4.31
Calcium	mg/L	31.7	32.2	161	161	397	411	390	407
Chloride	mg/L	2.05	1.98	3.05	2.90	5.26	5.26	5.22	5.29
Fluoride	mg/L	0.0558 J	0.0659 J	0.0706 J	< 0.0660	< 0.165	< 0.165	0.175 J	0.267 J
pH, Field	SU	6.48	6.58	6.09	5.95	5.57	5.68	6.21	6.14
Sulfate	mg/L	96.6	86.7	593	546	1260	1160	1360	1280
TDS	mg/L	248	218	958	967	2040	2010	2180	2140
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	< 0.00200	< 0.00200
Barium	mg/L	0.0327	0.0306	0.0229	0.0227	0.0237	0.0220	0.0284	0.0268
Beryllium	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Cadmium	mg/L	< 0.000300	< 0.000300	0.000528 J	< 0.000300	0.00117	0.00115	< 0.000300	< 0.000300
Chromium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Cobalt	mg/L	0.00124	0.00105	0.115	0.0672	0.0587	0.0611	0.000764 J	0.000744 J
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	0.000524 J	< 0.000500
Lithium	mg/L	0.00398 J	0.00456 J	0.0168	0.0147	0.0605	0.0683	0.00557 J	0.00639 J
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	0.000357 J	0.000266 J	< 0.000200	< 0.000200	0.000279 J	0.000265 J	0.00383	0.00372
Combined Radium 226 + 228	pCi/L	1.67 U	1.81	3.96	0.426 U	1.62 U	1.10 U	6.28	1.42 U
Selenium	mg/L	< 0.00150	< 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

< - 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.

H - Sample analysis performed beyond the recognized method holding time.

Radium - 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.

TDS - Total Dissolved Solids

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

Sample Location		AP1PZ-5		AP1PZ-7		AP1PZ-8		AP1PZ-9	
Sample Date		08/18/2025	02/02/2026	08/18/2025	02/02/2026	08/19/2025	02/03/2026	08/22/2025	02/02/2026
ANALYTE	UNITS								
APPENDIX III									
Boron	mg/L	7.34	7.31	3.39	3.74	2.93	3.14	0.771	0.768
Calcium	mg/L	584	565	346	386	310	306	76.0	69.5
Chloride	mg/L	9.38	9.16	6.24	6.08	3.52	3.61	4.10	3.81
Fluoride	mg/L	0.281 J	0.376 J	0.168 J	< 0.165	0.189 J	0.186 J	0.673	0.559
pH, Field	SU	5.95	6.07	6.18	6.21	6.53	6.61	4.91	4.53
Sulfate	mg/L	1940	1800	1330	1170	643	642	288	297
TDS	mg/L	3060	2990	2190	2180	1350	1340	530	505
APPENDIX IV									
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	mg/L	0.00354 J	0.00345 J	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Barium	mg/L	0.0380	0.0301	0.0251	0.0237	0.0350	0.0341	0.0261	0.0241
Beryllium	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00103	0.000823
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	0.000378 J	0.000354 J	0.00147	0.00133
Chromium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Cobalt	mg/L	0.0679	0.0942	0.00281	0.00287	0.000849 J	0.000893 J	0.108	0.103
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Lithium	mg/L	0.339	0.380	< 0.00300	0.00376 J	0.00328 J	0.00347 J	0.151	0.163
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	0.0355	0.0402	0.00155	0.00107	0.828	0.869	0.000396 J	< 0.000200
Combined Radium 226 + 228	pCi/L	5.44	1.31 U	1.31 U	1.68 U	5.11	2.07 U	0.337 U	1.96 U
Selenium	mg/L	< 0.00150	< 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

< - 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.

H - Sample analysis performed beyond the recognized method holding time.

Radium - 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.

TDS - Total Dissolved Solids

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

Sample Location		AP1PZ-10		AP1PZ-11	
Sample Date		08/19/2025	02/03/2026	08/19/2025	02/03/2026
ANALYTE	UNITS				
APPENDIX III					
Boron	mg/L	0.360	0.388	0.130	0.166
Calcium	mg/L	67.3	66.8	25.6	27.5
Chloride	mg/L	7.06	6.42	1.38	1.14
Fluoride	mg/L	0.403	0.363	0.0633 J	< 0.0330
pH, Field	SU	6.54	6.39	7.01	6.73
Sulfate	mg/L	157	147	45.1	44.7
TDS	mg/L	434	381	197	171
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	0.0307	0.0350	0.0210	0.0234
Beryllium	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Chromium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Cobalt	mg/L	0.00111	0.000655 J	< 0.000300	< 0.000300
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Lithium	mg/L	0.0260	0.0277	< 0.00300	< 0.00300
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	0.000991 J	0.000836 J	0.000785 J	< 0.000200
Combined Radium 226 + 228	pCi/L	2.66	2.59	18.9	1.29 U
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

< - 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.

H - Sample analysis performed beyond the recognized method holding time.

Radium - 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.

TDS - Total Dissolved Solids

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

Sample Location		OR-0.8		OR-0.3		OR-0.1	
Sample Date		08/19/2025	02/10/2026	08/19/2025	02/10/2026	08/19/2025	02/10/2026
ANALYTE	UNITS						
APPENDIX III							
Boron	mg/L	< 0.050	< 0.040	< 0.050	< 0.040	< 0.050	< 0.040
Calcium	mg/L	< 5.0	6.8	< 5.0	7.1	< 5.0	7.1
Chloride	mg/L	4.7	11.9	4.6	11.9	4.7	11.9
Fluoride	mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
pH, Field	SU	7.49	7.59	7.64	7.5	7.68	7.61
Sulfate	mg/L	6.4	7.1	6.4	7.2	6.5	7.3
TDS	mg/L	62.0	81.0	60.0	101	57.0	88.0
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	0.025	0.023	0.025	0.023	0.024
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	0.944 U	0.616 U	0.677 U	0.574 U	0.308 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
Additional Parameters							
Alkalinity Total as CaCO3	mg/L	NA	29.3	NA	28.7	NA	29.9
Bicarbonate Alkalinity as CaCO3	mg/L	NA	29.3	NA	28.7	NA	29.9
Magnesium	mg/L	NA	2.4	NA	2.4	NA	2.4
Potassium	mg/L	NA	3.1	NA	3.2	NA	3.2
Sodium	mg/L	NA	11.4	NA	11.3	NA	11.1

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 reporting limit (RL). The value displayed is the RL.

H - Sample analysis performed beyond the recognized method holding time.

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.

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

Sample Location		OR+0.25		BC-0.3		BC-0.1	
Sample Date		08/19/2025	02/10/2026	08/18/2025	02/09/2026	08/18/2025	02/09/2026
ANALYTE	UNITS						
APPENDIX III							
Boron	mg/L	< 0.050	< 0.040	< 0.050	< 0.040	< 0.050	< 0.040
Calcium	mg/L	< 5.0	6.9	9.0	10.5	9.0	9.9
Chloride	mg/L	4.7	11.9	7.2	10.6	7.2	10.7
Fluoride	mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
pH, Field	SU	7.74	7.68	7.34	7.4	7.13	7.36
Sulfate	mg/L	6.5	7.2	5.6	8.2	6.3	8.8
TDS	mg/L	62.0	80.0	85.0	92.0	96.0	88.0
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	0.023	0.025	0.036	0.031	0.035	0.032
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	0.133 U	1.43	0.565 U	1.14	0.617 U	0.680 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
Additional Parameters							
Alkalinity Total as CaCO3	mg/L	NA	31.0	NA	44.1	NA	44.6
Bicarbonate Alkalinity as CaCO3	mg/L	NA	31.0	NA	44.1	NA	44.6
Magnesium	mg/L	NA	2.5	NA	4.5	NA	4.7
Potassium	mg/L	NA	3.2	NA	2.0	NA	2.2
Sodium	mg/L	NA	11.3	NA	9.1	NA	9.8

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 reporting limit (RL). The value displayed is the RL.

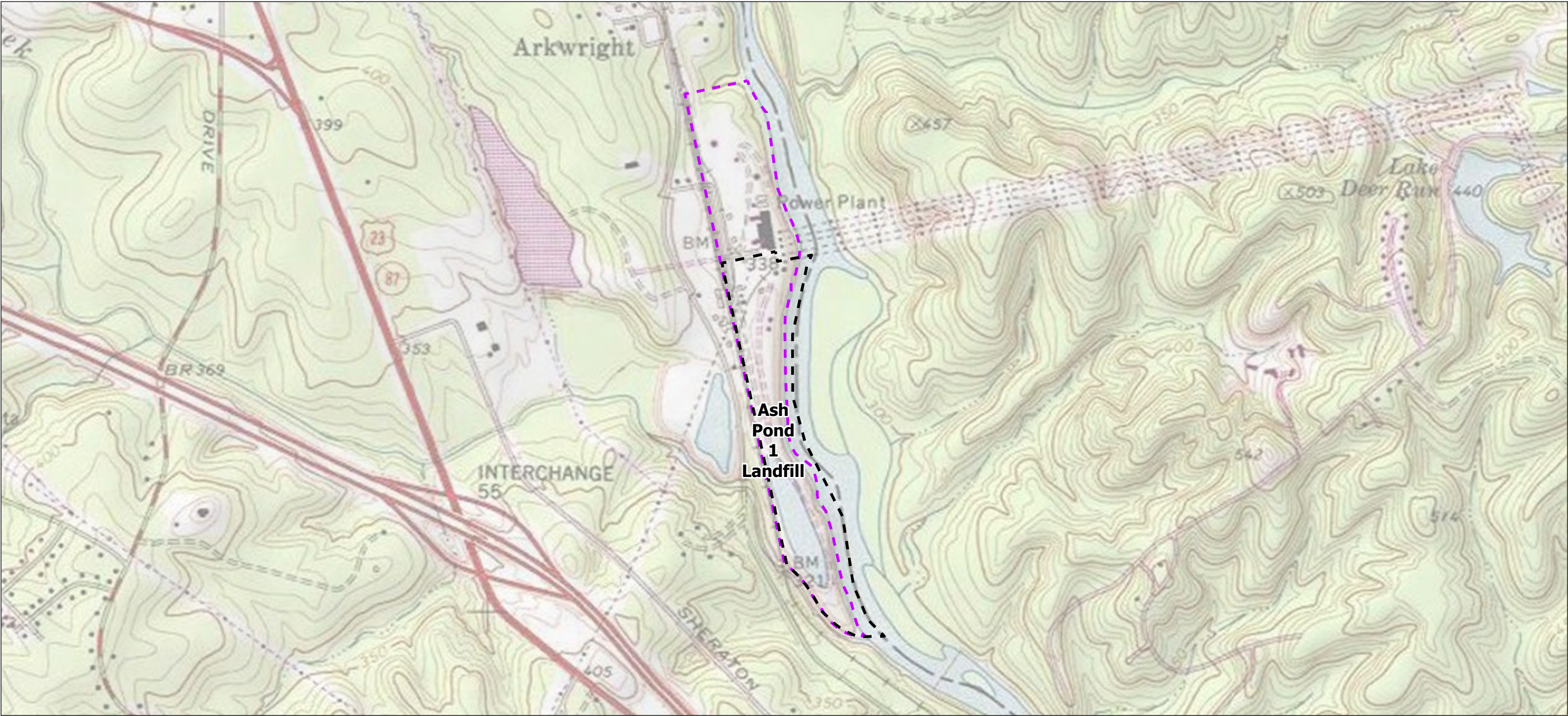
H - Sample analysis performed beyond the recognized method holding time.

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.

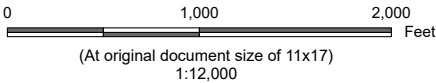
FIGURES





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, Inc.

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



Project Location
Macon, Georgia

Prepared by DMB on 5/28/2026
TR by AS on 5/28/2026
IR by JK on 5/28/2026

Client/Project
Georgia Power
2026 Annual Groundwater Monitoring Report
Plant Arkwright Ash Pond 1 Landfill

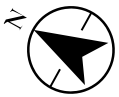
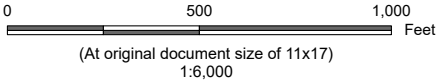
Figure No.
1

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: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community. Source: Esri, Vantor, Earthstar Geographics, and the GIS User Community. Plant imagery provided by client and is dated January 2026.

- Legend**
- Detection Monitoring Well
 - Piezometer
 - Abandoned Piezometer
 - Surface Water Sampling Location
 - Beaverdam Creek
 - Ash Pond 1 Landfill Permit Boundary
 - Limit of Client Imagery (dated January 2026)



Project Location
Macon, Georgia

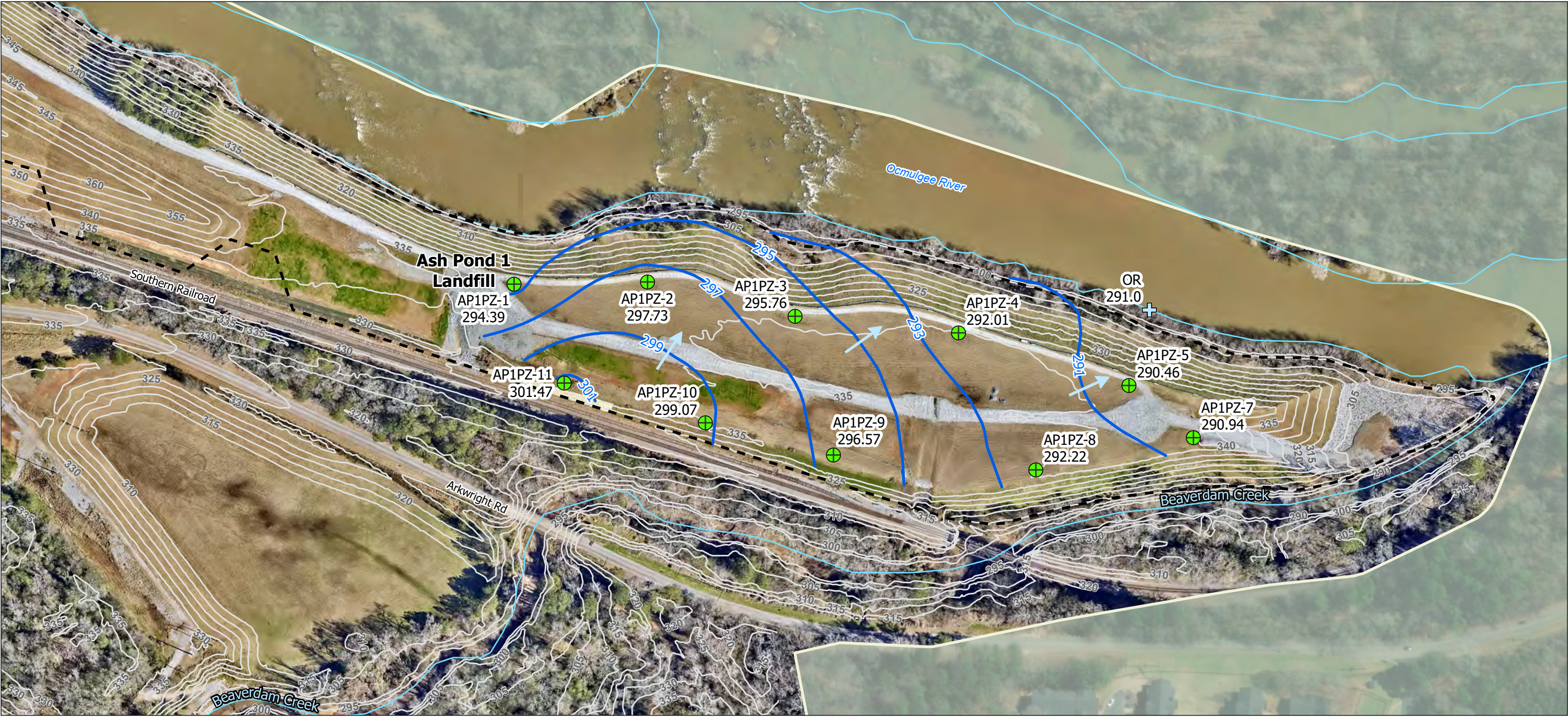
Prepared by DMB on 6/24/2026
TR by AS on 6/24/2026
IR by JK on 6/24/2026

Client/Project
Georgia Power
2026 Annual Groundwater Monitoring Report
Plant Arkwright Ash Pond 1 Landfill

Figure No.
2

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

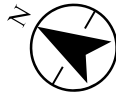
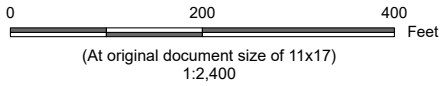
AP1GWC-6, AP1GWC-7, and AP1GWC-8 installed in November 2025.



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)



Project Location
Macon, Georgia

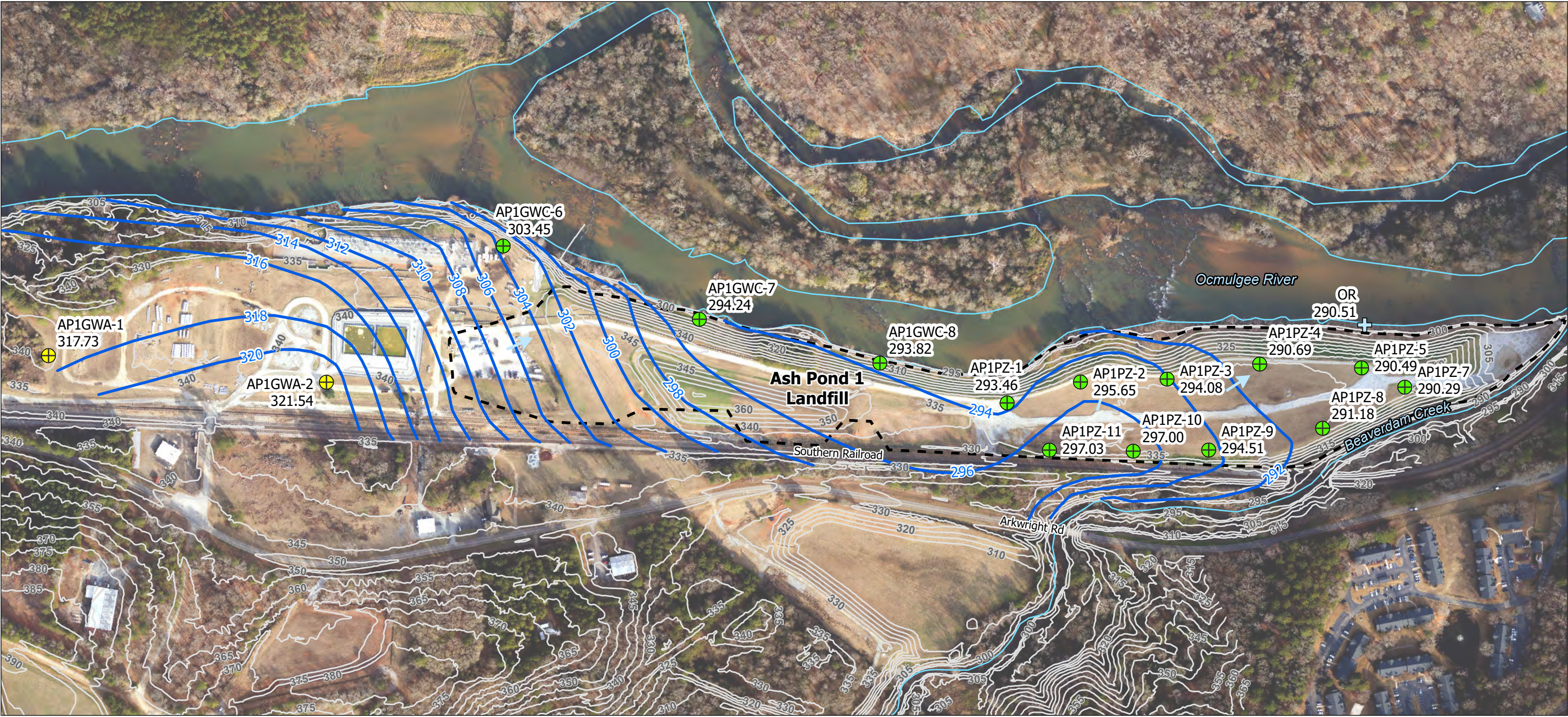
Client/Project
Georgia Power
2026 Annual Groundwater Monitoring Report
Plant Arkwright Ash Pond 1 Landfill

Figure No.
3

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

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

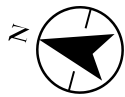
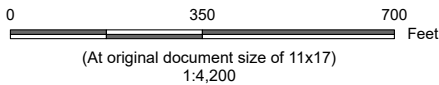
172609222



Notes
1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: AP-1 Boundary, Topography, and Beaverdam Creek provided by Southern Company Services and Wood Environment & Infrastructure Solutions; Piezometer Locations, Groundwater Contours, Flow Arrow, and Ocmulgee River provided by Stantec
3. Background: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community. Plant imagery provided by client and is dated January 2026.

- Legend**
- Detection Monitoring Well
 - Piezometer
 - Surface Water Gauge (Approximate)
 - 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



Project Location
Macon, Georgia

Client/Project
Georgia Power
2026 Annual Groundwater Monitoring Report
Plant Arkwright Ash Pond 1 Landfill

Figure No.
4

Title
Potentiometric Surface Contour Map
Ash Pond 1 Landfill - February 2, 2026

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	No	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

Plant Arkwright Ash Pond 1 Well Inspection Form
February 3, 2026

	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
Well ID:									
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
AP1GWC-6	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
AP1GWC-7	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
AP1GWC-8	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes

	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	
Well ID:							
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
AP1GWC-6	Yes	Yes	Yes	Yes	Yes	No	Well requires ID label; Will install vent hole
AP1GWC-7	Yes	Yes	Yes	Yes	Yes	No	NA
AP1GWC-8	Yes	Yes	Yes	Yes	Yes	No	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.



Design with community in mind

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.

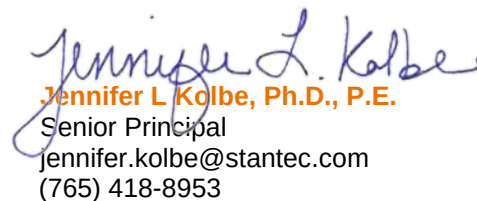
Closing

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

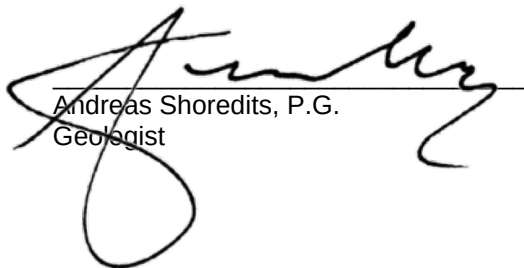
Attachments:

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

Table 2 – Piezometer Development Summary



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 (μ S/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

μ S/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

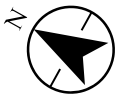
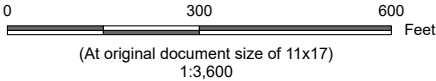
FIGURE





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



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
Georgia Power
AP-1 Piezometer Installation Report
Plant Arkwright Ash Pond 1 Landfill

172609222

Figure No.

1

Title

Piezometer Locations

APPENDIX A

Subsurface Boring Logs



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

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft	Elevation			Rock Core:	Run	Run Ft	Rec. Ft	Rec. %	
0	0.0	331.5	Top of Hole						
	0.5	331.0	GRAVELLY POORLY GRADED SAND, SP, grayish brown, coarse, non-plastic, subangular, root trace						
1	1.5	330.0			SS01	0.0 - 1.5	1.5	7-9-11	
			GRAVELLY POORLY GRADED SAND WITH CLAY, SP-SC, red brown, coarse, non-plastic, subangular, clay increasing with depth, [FILL]						
2					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						
3					SS03	3.0 - 4.5	1.3	5-5-4	
4									
5					SS04	4.5 - 6.0	1.1	3-2-2	
6									
7					SS05	6.0 - 7.5	1.5	1-1-1	
8									
9					SS06	7.5 - 9.0	1.0	1-3-3	
10									
	10.5	321.0			SS07	9.0 - 10.5	1.2	2-1-2	
11			Drilled without sampling.						
12									

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				Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft	Elevation		Description	Rock Core:	Run	Run Ft	Rec. Ft	Rec. %	
12									
12.5	319.0	X	Drilled without sampling. (Continued)						
13					SS08	12.5 - 14.0	1.2	WH-WH-2	
13.5	318.0	•••••	POORLY GRADED SAND LITTLE CLAY, SP, red brown, coarse, non-plastic, dry, micaceous, clay increasing with depth						
14									
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						
		X	Drilled without sampling.						
15									
15.0	316.5	X	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									
16.5	315.0	•••••	POORLY GRADED SAND, SP, light reddish brown, medium to coarse, non-plastic, moist, micaceous						
17									
17.5	314.0	X	Drilled without sampling.						
18					SS10	17.5 - 19.0	1.5	1-1-2	
18.5		•••••	POORLY GRADED SAND, SP, light reddish brown to light brown, very fine to coarse, non-plastic, loose, moist, micaceous						
19									
20									
21					SS11	20.0 - 21.5	1.5	1-2-3	
21.5	310.0	•••••							
22									
22.5	309.0	X	Drilled without sampling.						
23					SS12	22.5 - 24.0	1.5	3-3-5	
23.5			CLAYEY SILT, ML, fine, non-plastic to low plasticity, moist, homogeneous, micaceous						
24									
24.0	307.5								
		X	Drilled without sampling.						
25									
25.0	306.5	X							
25.5			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									
26.5	305.0	X							
		X	Drilled without sampling.						
27									

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			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft	Elevation			Rock Core:	Run	Run Ft	Rec. Ft	Rec. %	
27									
27.5	304.0	X	Drilled without sampling. (Continued)						
28			SILTY SAND TRACE CLAY, SM, light brown, fine, non-plastic to low plasticity, moist, dark streaks, possible rebox at 27.5-28.0'		SS14	27.5 - 29.0	1.5	1-2-2	
29	302.5								
30	301.5	X	Drilled without sampling.						
31			POORLY GRADED SAND WITH GRAVEL, SP, light gray to light brown, very fine to coarse, non-plastic, moist, micaceous, possible saprolitic soil, small gravel possibly quartz		SS15	30.0 - 31.5	1.5	4-7-8	
31.5	300.0								
32		X	Drilled without sampling.						
33	298.5								
34			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	
34.5	297.0								
35		X	Drilled without sampling.						
36	295.5								
37			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 rebox		SS17	36.0 - 37.5	1.5	29-40-44	
37.5	294.0								
38		X	Drilled without sampling.						
39	292.5								
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 rebox		SS18	39.0 - 39.7	0.7	29-7-50/4/-4"	Began Core Auger refusal at 39.7'
40		X	No recovery						
41		X							6.0" temporary steel outer casing installed to 41.5'
42		X							

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

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.

Client Borehole ID AP1GWC-7
 Client Southern Company Services - Georgia Power
 Project Number 172609222
 Project Name Plant Arkwright Ash Pond 1
 Project Location Plant Arkwright
 Inspector Devon Abuan Logger Devon Abuan
 Drilling Contractor Stantec Consulting Services Inc.
 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

Stantec Boring No. **AP1GWC-7**
 Boring Location N 1063904.02, E 2440168.21
 Surface Elevation 305.5 ft Elevation Datum NAVD88
 Date Started 11/14/25 Completed 11/15/25
 Depth to Water 15.0 ft Date/Time 11/14/25
 Depth to Water 11.7 ft Date/Time 11/19/25
 Drill Rig CME 55 LCX Driller D. Clements

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft	Elevation			Rock Core:	Run	Run Ft	Rec. Ft	Rec. %	
0	0.0	305.5	Top of Hole						
			topsoil, roots present						
1	0.7	304.8			SS01	0.0 - 1.5	0.6	WH-1-3	
			SANDY SILT TRACE CLAY, ML, red brown, fine, non-plastic to low plasticity, dry, micaceous						
2					SS02	1.5 - 3.0	0.7	1-2-3	
	2.7	302.8							
3			SILTY SAND, SM, light reddish brown and dark grayish brown, fine, non-plastic, dry to moist, sediments comingled with fly ash, micaceous		SS03	3.0 - 4.5	0.8	2-2-3	Fly ash lens
4									
5					SS04	4.5 - 6.0	0.9	2-2-3	
6	6.0	299.5							
			Drilled without sampling						
7	7.5	298.0							
			SILTY SAND, light brown, fine, non-plastic, moist, micaceous						
8	8.1	297.4							
			SILT, bluish gray, fine, non-plastic, moist, fly ash lens		SS05	7.5 - 9.0	1.5	1-2-1	Fly ash lens
9	8.7	296.8							
	9.0	296.5							
			POORLY GRADED SAND, red brown to light brown, fine, non-plastic, moist						
10	10.0	295.5							
			Drilled without sampling						
			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	
11	11.5	294.0							
			Drilled without sampling						
12									

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			Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft	Elevation			Run	Run Ft	Rec. Ft	Rec. %	
12								
12.5	293.0							
13				SS07	12.5 - 14.0	1.5	WH-WH-WH	Root trace
14	291.5							
15	290.5							
16				SS08	15.0 - 16.5	1.1	1-1-7	
17								
17.5	288.0							
18								Began Core Auger refusal at 17.5' 6.0" temporary steel outer casing installed to 17.9'
19				RC01	17.5 - 21.1	3.6	100	
20								
21								
22				RC02	21.1 - 24.4	3.3	100	No natural fractures
23								
24	281.1							

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.

Client Borehole ID AP1GWC-8
 Client Southern Company Services - Georgia Power
 Project Number 172609222
 Project Name Plant Arkwright Ash Pond 1
 Project Location Plant Arkwright
 Inspector Devon Abuan Logger Devon Abuan
 Drilling Contractor Stantec Consulting Services Inc.

Stantec Boring No. **AP1GWC-8**
 Boring Location N 1063260.83, E 2440183.44
 Surface Elevation 305.3 ft Elevation Datum NAVD88
 Date Started 11/12/25 Completed 11/13/26
 Depth to Water 11.7 ft Date/Time 11/13/25
 Depth to Water 11.5 ft Date/Time 11/19/25
 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			Description	Overburden: Rock Core:	Sample Run	Depth Ft Run Ft	Rec. Ft Rec. Ft	Blows/PSI Rec. %	Remarks
Depth Ft	Elevation								
0	0.0	305.3	Top of Hole						
0	0.5	304.8	Topsoil, roots present						Poor recovery
1			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	
2					SS02	1.5 - 3.0	0.6	2-2-2	
3					SS03	3.0 - 4.5	0.9	4-2-4	Poor recovery
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]						
5					SS04	4.5 - 6.0	0.8	2-1-2	Ash lens
6	6.0	299.3	Drilled without sampling						
7	7.5	297.8	POORLY GRADED SAND, SP, light brown, fine to medium, non-plastic, loose, moist, micaceous						
8					SS05	7.5 - 9.0	0.9	1-1-3	
9	9.0	296.3	Drilled without sampling						
10	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						
11					SS06	10.0 - 11.5	0.8	2-4-17	
11	11.5	293.8	Drilled without sampling						
12	12.5	292.8	POORLY GRADED SAND, SP, light brown to dark gray, medium to coarse, non-plastic, moist, saprolitic, subangular quartz/chert pebbles						
13					SS07	12.5 - 13.8	0.6	24-50/2/-6"	
14	13.8	291.5	Gneiss, moderately weathered, micaceous, biotite						
14	14.2	291.1							Began Core Auger refusal at 13.8' 6.0" temporary steel outer casing installed to 14.0' Biotite gneiss lens
15			No recovery						
16									

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			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft	Elevation			Rock Core:	Run	Run Ft	Rec. Ft	Rec. %	
16			No recovery (Continued)						
17					RC01	13.8 - 20.5	0.4	6	
18									
19									
20									
21			Gneiss, white and black, coarsely crystalline, moderately hard, highly weathered, wet, iron oxide staining, micaceous, biotite, some pyrite, little quartzite pebbles, foliated, some dissolution						
22									
23					RC02	20.5 - 26.0	1.2	21	
24									
25	24.8	280.5							
26	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





Date Completed: 11/18/2025

Easting (ft): 2440237.30

Longitude: -83.698480

Elevation Datum: NAVD88

Stickup (ft, aqs): 3.08

Borehole Depth (ft. bgs): 50.00

Well Depth (ft, bgs): 45.72

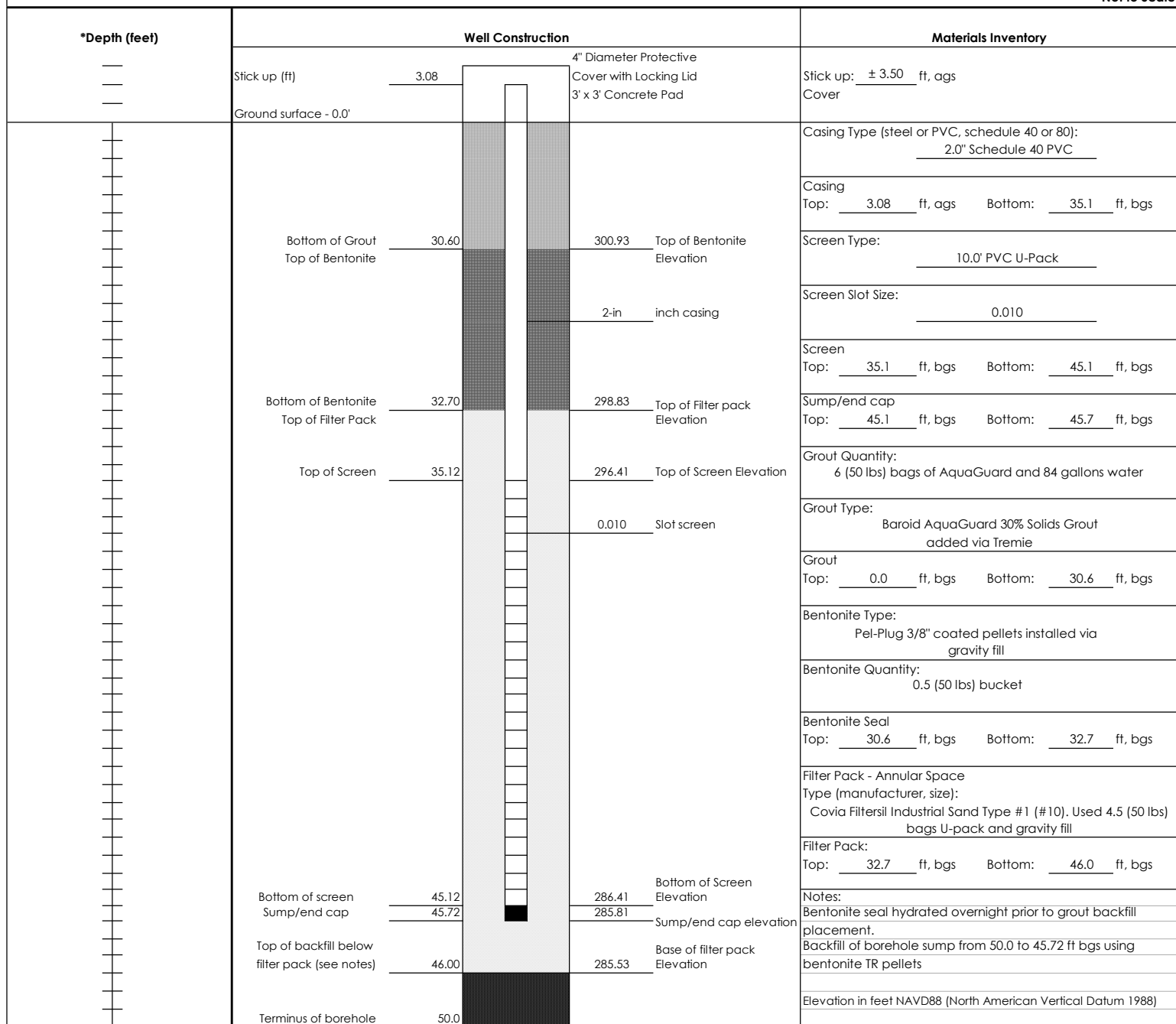
Screen length (ft): 10.0

DTW at Development - 12/18/25 (ft. toc): 30.95

Static DTW - 11/19/25 (ft, toc): 30.62

1. *Journal of the American Medical Association*, 2000; 284: 2689-2695.

*Not to Scale





***Not to Scale**

Page 2 of 3



Well Installation Field Log

Project Name: Plant Arkwright - AP-1 Well Installation
Borehole/Well No: AP1GWC-8
Plant Name: Arkwright
Plant Address: 5241 Arkwright Road, Macon, Georgia, 31210
Project & Task Number: 172609299
Goals/Task: AP1GWC-8 Monitoring Well Installation
Drilling Company: Stantec Consulting Services, Inc.
Drilling Equipment/Rig Type: CME 55 LCX Track Mounted
Drilling Method: HSA (4.25" ID x 8.25" OD), PQ-3 Wireline Rock Cori
Sampling Method: SPT, Continuous Core
Prepared By: Peyton Hillman
Review By: Andreas Shoredifts

Date Started: 11/13/2025
Northing (ft): 1063260.83
Latitude: 32.922303
Location Datum: NAD83
Surface/ Ground Elevation (ft): 305.27
8.25 to 13.8',
Borehole Diameter (in): 4.88 to 26.0'
Well Casing Diameter (in): 2.00
Top of Casing elev (ft): 305.42
DTW at Development - 12/19/25 (ft, toc): 11.65
Static DTW - 11/19/25 (ft, toc): 11.50

Date Completed: 11/18/2025
Easting (ft): 2440183.44
Longitude: -83.698675
Elevation Datum: NAVD88
Stickup (ft, ags): 0.15
Borehole Depth (ft, bgs): 26.00
Well Depth (ft, bgs): 23.98
Screen length (ft): 10.0

*Not to Scale

*Depth (feet)	Well Construction		Materials Inventory	
— — —	Flush mount riser (ft) <u>0.15</u>	8" Flushmount Cover with Locking Lid 2' x 2' Concrete Pad	Stick up: <u>NA</u> ft, ags	
	Ground surface - 0.0'			
			Casing Type (steel or PVC, schedule 40 or 80): <u>2.0" Schedule 40 PVC</u>	
			Casing Top: <u>0.15</u> ft, ags Bottom: <u>13.4</u> ft, bgs	
	Bottom of Grout <u>9.50</u> Top of Bentonite	295.77 Top of Bentonite Elevation	Screen Type: <u>10.0' PVC U-Pack</u>	
		2-in inch casing	Screen Slot Size: <u>0.010</u>	
	Bottom of Bentonite <u>11.72</u> Top of Filter Pack	293.55 Top of Filter pack Elevation	Screen Top: <u>13.4</u> ft, bgs Bottom: <u>23.4</u> ft, bgs	
	Top of Screen <u>13.38</u>	291.89 Top of Screen Elevation	Sump/end cap Top: <u>23.4</u> ft, bgs Bottom: <u>24.0</u> ft, bgs	
		0.010 Slot screen	Grout Quantity: 2(50 lbs) bags of AquaGuard and 28 gallons water	
			Grout Type: Baroid AquaGuard 30% Solids Grout added via Tremie	
			Grout Top: <u>0.0</u> ft, bgs Bottom: <u>9.5</u> ft, bgs	
			Bentonite Type: Pel-Plug 3/8" coated pellets installed via gravity fill	
			Bentonite Quantity: 0.5 (50 lbs) bucket	
			Bentonite Seal Top: <u>9.5</u> ft, bgs Bottom: <u>11.7</u> 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: <u>11.7</u> ft, bgs Bottom: <u>25.0</u> ft, bgs	
	Bottom of screen <u>23.38</u> Sump/end cap <u>23.98</u>	281.89 Bottom of Screen Elevation 281.29 Sump/end cap elevation	Notes: Bentonite seal hydrated overnight prior to grout backfill placement. Backfill of borehole sump from 26.0 to 25.0 ft bgs using bentonite TR pellets	
	Terminus of borehole <u>26.00</u>	279.27 Base of filter pack Elevation		
			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	Manufacturer/ 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 ($\mu\text{S}/\text{cm}$)	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 ($^{\circ}\text{C}$)	Acceptance Criteria	Reference
Specific Conductance ($\mu\text{S}/\text{cm}$)	4,490	4,524	16.54	$\pm 10\%$ 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	$\pm 10\%$	NA
ORP (mV)	228.0	232.4	16.02	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	18.5	$\pm 10\%$ 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 ($^{\circ}\text{C}$)	Acceptance Criteria	Reference
Specific Conductance ($\mu\text{S}/\text{cm}$)	4,490	-	-	$\pm 10\%$ 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)	-	-	$\pm 10\%$ 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	Manufacturer/ 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

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	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

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	-	-	± 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:
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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:
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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:
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APPENDIX D

Certified Piezometer Survey





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

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.

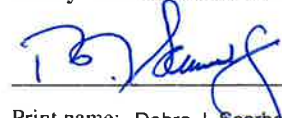
This bond shall be effective from the 1st day of July, 2025 and shall continue in effect until **June 30, 2027**, unless sooner terminated by mutual agreement of Principal and Surety, provided that no such termination may be made unless sixty (60) days' prior written notice is made to the Director. In 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 ACOSTA
Title: EXECUTIVE VICE PRESIDENT AND GENERAL COUNSEL
Seal: 

Surety Federal Insurance Company


Print name: Debra J. Scarborough
Title: Attorney-in-Fact
Seal:

CHUBB

Power of Attorney

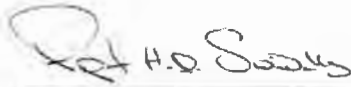
Federal Insurance Company | Vigilant Insurance Company | Pacific Indemnity Company

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

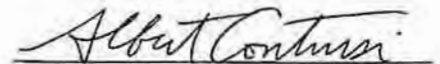
SS.

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.

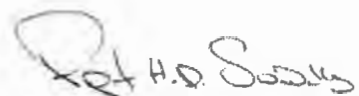
FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority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



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

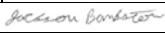
Field Staff Names: Jacob Ashe, Jackson Bankston, Max Moore, Andreas Shoredits

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:    				

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
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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:
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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
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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
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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:
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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
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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
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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
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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
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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
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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:
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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
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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
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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: 8/18/2025 2:49:46 PM
Project: Arkwright
Operator Name: Max Moore

Location Name: AP1PZ-7 Latitude: 32.917422936683394 Longitude: -83.69743741125909 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 67.3 ft Total Depth: 77.8 ft Initial Depth to Water: 49.94 ft	Pump Type: Dedicated Bladder Pump Tubing Type: LDPE Tubing Inner Diameter: 0.17 in Tubing Length: 76 ft Pump Intake From TOC: 71.8 ft Estimated Total Volume Pumped: 5578.333 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 2.9 ft	Instrument Used: Aqua TROLL 400 Serial Number: 965586
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Test Notes:

MP-50 S/N: 06
ID: 103
PSI: 35
Turbidimeter S/N: 15030C039579
WLM S/N: 11DF2106174HB

Aquatroll disconnected once during sampling

Weather Conditions:
32C 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 2:49 PM	00:00	6.313 pH	36.87 °C	2,081 µS/cm	3.790 mg/L	3.490 NTU	83.8 mV	49.94 ft	100.0 ml/min
8/18/2025 2:54 PM	05:00	6.174 pH	26.90 °C	2,284 µS/cm	1.362 mg/L	34.80 NTU	77.5 mV	50.32 ft	100.0 ml/min
8/18/2025 2:59 PM	10:00	6.197 pH	26.00 °C	2,296 µS/cm	1.081 mg/L	33.60 NTU	83.4 mV	50.77 ft	100.0 ml/min
8/18/2025 3:04 PM	15:00	6.174 pH	27.29 °C	2,324 µS/cm	1.146 mg/L	26.10 NTU	83.7 mV	51.13 ft	100.0 ml/min
8/18/2025 3:10 PM	20:47	6.197 pH	27.15 °C	2,272 µS/cm	1.225 mg/L	15.00 NTU	81.6 mV	51.89 ft	100.0 ml/min
8/18/2025 3:15 PM	25:47	6.195 pH	26.50 °C	2,273 µS/cm	1.150 mg/L	11.00 NTU	85.6 mV	52.12 ft	100.0 ml/min
8/18/2025 3:20 PM	30:47	6.188 pH	26.49 °C	2,264 µS/cm	1.021 mg/L	9.640 NTU	77.6 mV	52.24 ft	100.0 ml/min
8/18/2025 3:25 PM	35:47	6.185 pH	26.78 °C	2,257 µS/cm	0.906 mg/L	9.630 NTU	74.7 mV	52.33 ft	100.0 ml/min

8/18/2025 3:30 PM	40:47	6.183 pH	27.09 °C	2,250 µS/cm	0.842 mg/L	6.100 NTU	71.3 mV	52.41 ft	100.0 ml/min
8/18/2025 3:35 PM	45:47	6.181 pH	26.69 °C	2,234 µS/cm	0.786 mg/L	5.900 NTU	68.6 mV	52.62 ft	100.0 ml/min
8/18/2025 3:40 PM	50:47	6.175 pH	26.38 °C	2,222 µS/cm	0.755 mg/L	4.490 NTU	67.0 mV	52.78 ft	100.0 ml/min
8/18/2025 3:45 PM	55:47	6.176 pH	26.37 °C	2,214 µS/cm	0.731 mg/L	4.140 NTU	65.8 mV	52.84 ft	100.0 ml/min

Samples

Sample ID:	Description:
ARK-AP1PZ-7	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: 15:45
AP1-FB-02	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: 15:10

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
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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:
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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
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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
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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
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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
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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: 2/2/2026

Plant Address: 5001 Arkwright Road, Macon, GA 31210

Field Staff Names: P. Hillman, M. Moore, J. Ashe, A. Shoredits, D. Abuan, M. Britz, M. Stepaniuk

Project Number: 172609222

Goal/Task: Groundwater Investigation

Gauging Start Time 9:25

Gauging Finish Time 16:45

Well ID	Time	Depth to Groundwater (ft, BTOC)	Current Depth to Bottom (ft, BTOC)	Notes/Remarks
AP-1				
AP1GWA-1	9:26	27.71	28.42	Dedicated pump
AP1GWA-2	9:17	19.88	20.68	Dedicated pump
AP1PZ-1	10:15	45.51	79.02	Dedicated pump, Transducer in well
AP1PZ-2	10:22	43.93	52.90	Dedicated pump
AP1PZ-3	10:27	44.49	58.86	Dedicated pump, Transducer in well
AP1PZ-4	10:32	47.67	58.80	Dedicated pump
AP1PZ-5	10:37	49.32	57.87	Dedicated pump, Transducer in well
AP1PZ-7	10:42	50.62	70.54	Dedicated pump
AP1PZ-8	10:48	47.13	57.42	Dedicated pump
AP1PZ-9	10:54	43.11	52.18	Dedicated pump
AP1PZ-10	10:59	41.38	46.80	Dedicated pump, Transducer in well
AP1PZ-11	11:05	41.95	64.88	Dedicated pump
AP1GWC-6	9:39	31.16	48.82	Recently installed well; No dedicated pump
AP1GWC-7	10:01	11.42	23.24	Recently installed well; No dedicated pump
AP1GWC-8	10:08	11.60	24.15	Recently installed well; No dedicated pump

Sampler Signatures:




Peyton Hillman

DL/SME Review by (Print):

Andreas Shoredits

Peyton Hillman

Signature:



Low-Flow Test Report:

Test Date / Time: 2/2/2026 1:31:05 PM
Project: Plant Arkwright
Operator Name: D Abuan

Location Name: AP1GWA-1 Latitude: 32.929970386832125 Longitude: -83.70100162623764 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: 28.2 ft	Pump Type: Dedicated Bladder Pump Tubing Type: LDPE Pump Intake From TOC: 31.75 ft Estimated Total Volume Pumped: 8500 ml Flow Cell Volume: 90 ml Final Flow Rate: 340 ml/min Final Draw Down: 0.05 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1264994 Hach 2100Q Serial Number: 23110000009 DTW Meter 11DF2206173HB
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Test Notes:
6 Bottle:
3 x 1,000 mL (HNO3) - Radium 226/228
1 x 250 mL (unpreserved) - TDS
1 x 250 mL (unpreserved) - Anions
1 x 250 mL (HNO3) - Metals, Total
HACH 23110000009 DTW meter 11DF2206173HB
Weather Conditions:
9C 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	
2/2/2026 1:31 PM	00:00	5.286 pH	20.26 °C	183.5 µS/cm	6.610 mg/L	34.50 NTU	94.8 mV	28.25 ft	340.0 ml/min
2/2/2026 1:36 PM	05:00	5.287 pH	20.32 °C	182.6 µS/cm	6.246 mg/L	19.90 NTU	87.3 mV	28.24 ft	340.0 ml/min
2/2/2026 1:41 PM	10:00	5.301 pH	20.16 °C	188.3 µS/cm	3.252 mg/L	12.60 NTU	86.0 mV	28.25 ft	340.0 ml/min
2/2/2026 1:46 PM	15:00	5.291 pH	20.28 °C	187.5 µS/cm	3.147 mg/L	7.740 NTU	85.7 mV	28.25 ft	340.0 ml/min
2/2/2026 1:51 PM	20:00	5.317 pH	20.18 °C	186.7 µS/cm	3.073 mg/L	5.590 NTU	85.9 mV	28.24 ft	340.0 ml/min
2/2/2026 1:56 PM	25:00	5.328 pH	20.27 °C	185.7 µS/cm	3.011 mg/L	3.290 NTU	106.9 mV	28.25 ft	340.0 ml/min

Samples

Sample ID:	Description:
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ARK-AP1GWA-1	6 Bottle: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 250 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total Sample time 1400
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Low-Flow Test Report:

Test Date / Time: 2/2/2026 2:19:02 PM
Project: Plant Arkwright
Operator Name: J. Ashe

Location Name: AP1GWA-2 Latitude: 32.92684386547716 Longitude: -83.70001523809833 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 20.52 m Total Depth: 31.1 ft Initial Depth to Water: 19.88 ft	Pump Type: Dedicated Tubing Type: LDPE Pump Intake From TOC: 25.3 ft Estimated Total Volume Pumped: 13600 ml Flow Cell Volume: 90 ml Final Flow Rate: 340 ml/min Final Draw Down: 0.21 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1265019
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Test Notes:
Turbidimeter SN: 15030L039370; DTW meter SN 12DF2306011ML; ID: 102;
PSI: 35; Samples collected at 1505.

Weather Conditions:
Sunny, 9°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	
2/2/2026 2:19 PM	00:00	6.061 pH	20.81 °C	77.24 µS/cm	4.196 mg/L	9.340 NTU	105.9 mV	19.88 ft	340.0 ml/min
2/2/2026 2:24 PM	05:00	6.052 pH	20.45 °C	80.39 µS/cm	4.070 mg/L	6.870 NTU	184.9 mV	19.92 ft	340.0 ml/min
2/2/2026 2:29 PM	10:00	6.035 pH	20.35 °C	84.20 µS/cm	3.906 mg/L	5.470 NTU	277.0 mV	20.09 ft	340.0 ml/min
2/2/2026 2:34 PM	15:00	6.031 pH	20.36 °C	88.67 µS/cm	3.760 mg/L	3.490 NTU	245.2 mV	20.09 ft	340.0 ml/min
2/2/2026 2:39 PM	20:00	6.007 pH	20.32 °C	92.45 µS/cm	3.640 mg/L	3.410 NTU	200.8 mV	20.09 ft	340.0 ml/min
2/2/2026 2:44 PM	25:00	5.993 pH	20.31 °C	96.14 µS/cm	3.519 mg/L	1.910 NTU	180.8 mV	20.09 ft	340.0 ml/min
2/2/2026 2:49 PM	30:00	5.988 pH	20.29 °C	98.74 µS/cm	3.428 mg/L	2.160 NTU	171.4 mV	20.09 ft	340.0 ml/min
2/2/2026 2:54 PM	35:00	5.987 pH	20.21 °C	101.4 µS/cm	3.334 mg/L	1.180 NTU	164.2 mV	20.09 ft	340.0 ml/min
2/2/2026 2:59 PM	40:00	5.979 pH	20.08 °C	103.7 µS/cm	3.240 mg/L	1.430 NTU	116.1 mV	20.09 ft	340.0 ml/min

Samples

Sample ID:	Description:
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ARK-AP1GWA-2	6 Bottle: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 250 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total
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Low-Flow Test Report:

Test Date / Time: 2/2/2026 3:57:58 PM
Project: Plant Arkwright
Operator Name: Max Moore

Location Name: AP1PZ-1 Latitude: 32.921024906434134 Longitude: -83.69873805910134 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 77.05 ft Total Depth: 87.62 ft Initial Depth to Water: 45.51 ft	Pump Type: Dedicated Bladder Pump Tubing Type: LDPE Tubing Inner Diameter: 0.17 in Tubing Length: 87 ft Pump Intake From TOC: 82.55 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 1.37 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1265037
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Test Notes:
MP-50 S/N: 17 ID: 100 PSI: 35 Turbidimeter S/N: 24090D000297
WLM S/N: 26505
Sample time - 16:30

Weather Conditions:
10C Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/2/2026 3:57 PM	00:00	6.575 pH	17.55 °C	347.8 µS/cm	1.193 mg/L	0.510 NTU	22.8 mV	45.51 ft	100.0 ml/min
2/2/2026 4:02 PM	05:00	6.575 pH	17.47 °C	347.1 µS/cm	0.861 mg/L	0.880 NTU	123.1 mV	46.21 ft	100.0 ml/min
2/2/2026 4:07 PM	10:00	6.576 pH	17.43 °C	346.2 µS/cm	0.671 mg/L	1.430 NTU	60.9 mV	46.66 ft	100.0 ml/min
2/2/2026 4:12 PM	15:00	6.583 pH	17.43 °C	345.7 µS/cm	0.597 mg/L	1.500 NTU	42.6 mV	46.78 ft	100.0 ml/min
2/2/2026 4:17 PM	20:00	6.587 pH	17.35 °C	345.5 µS/cm	0.552 mg/L	1.120 NTU	34.9 mV	46.85 ft	100.0 ml/min
2/2/2026 4:22 PM	25:00	6.583 pH	17.33 °C	345.3 µS/cm	0.538 mg/L	1.530 NTU	31.7 mV	46.87 ft	100.0 ml/min
2/2/2026 4:27 PM	30:00	6.580 pH	17.19 °C	346.0 µS/cm	0.554 mg/L	1.050 NTU	30.9 mV	46.88 ft	100.0 ml/min

Samples

Sample ID:	Description:
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ARK-AP1PZ-1	6 Bottle: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 250 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total Collected at: 16:30
ARK-AP1-EB-01	6 Bottle: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 250 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total Collected at: 16:45

Low-Flow Test Report:

Test Date / Time: 2/2/2026 5:06:26 PM
Project: Plant Arkwright
Operator Name: D Abuan

Location Name: AP1PZ-2 Latitude: 32.917301304151046 Longitude: -83.69920423844998 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 52.1 ft Total Depth: 62.67 ft Initial Depth to Water: 44.12 ft	Pump Type: Dedicated Bladder Pump Tubing Type: LDPE Pump Intake From TOC: 56.57 ft Estimated Total Volume Pumped: 6000 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1264994
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Test Notes:
HACH 231100000009
DTW s/n: 11DF2206173HB

6 Bottle:
3 x 1,000 mL (HNO3) - Radium 226/228
1 x 250 mL (unpreserved) - TDS
1 x 250 mL (unpreserved) - Anions
1 x 250 mL (HNO3) - Metals, Total
Sample time 1810

Weather Conditions:
10 clear

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
2/2/2026 5:06 PM	00:00	5.919 pH	17.29 °C	1,052 µS/cm	1.256 mg/L	18.50 NTU	118.4 mV	44.12 ft	100.0 ml/min
2/2/2026 5:11 PM	05:00	5.924 pH	17.31 °C	1,051 µS/cm	1.006 mg/L	20.90 NTU	100.5 mV	44.15 ft	100.0 ml/min
2/2/2026 5:16 PM	10:00	5.940 pH	17.41 °C	1,051 µS/cm	0.859 mg/L	21.20 NTU	92.6 mV	44.15 ft	100.0 ml/min
2/2/2026 5:21 PM	15:00	5.956 pH	17.50 °C	1,049 µS/cm	0.742 mg/L	15.90 NTU	87.3 mV	44.16 ft	100.0 ml/min
2/2/2026 5:26 PM	20:00	5.966 pH	17.44 °C	1,057 µS/cm	0.653 mg/L	14.20 NTU	96.2 mV	44.17 ft	100.0 ml/min
2/2/2026 5:31 PM	25:00	5.972 pH	17.27 °C	1,064 µS/cm	0.601 mg/L	14.10 NTU	82.0 mV	44.17 ft	100.0 ml/min
2/2/2026 5:36 PM	30:00	5.970 pH	17.15 °C	1,082 µS/cm	0.558 mg/L	11.80 NTU	78.2 mV	44.21 ft	100.0 ml/min
2/2/2026 5:41 PM	35:00	5.966 pH	17.22 °C	1,104 µS/cm	0.538 mg/L	9.130 NTU	74.7 mV	44.22 ft	100.0 ml/min

2/2/2026 5:46 PM	40:00	5.958 pH	17.22 °C	1,119 µS/cm	0.565 mg/L	7.780 NTU	72.7 mV	44.22 ft	100.0 ml/min
2/2/2026 5:51 PM	45:00	5.952 pH	17.02 °C	1,131 µS/cm	0.548 mg/L	6.550 NTU	79.9 mV	44.21 ft	100.0 ml/min
2/2/2026 5:56 PM	50:00	5.955 pH	16.98 °C	1,139 µS/cm	0.550 mg/L	6.030 NTU	71.5 mV	44.19 ft	100.0 ml/min
2/2/2026 6:01 PM	55:00	5.951 pH	17.01 °C	1,147 µS/cm	0.549 mg/L	5.120 NTU	70.4 mV	44.17 ft	100.0 ml/min
2/2/2026 6:06 PM	01:00:00	5.951 pH	16.94 °C	1,153 µS/cm	0.531 mg/L	4.880 NTU	69.8 mV	44.18 ft	100.0 ml/min

Samples

Sample ID:	Description:
ARK-AP1PZ-2	

Low-Flow Test Report:

Test Date / Time: 2/2/2026 5:05:11 PM
Project: Plant Arkwright
Operator Name: Peyton Hillman

Location Name: AP1PZ-3 Latitude: 32.91969979074008 Longitude: -83.69805037806283 Well Diameter: 2 cm Casing Type: PVC Screen Length: 10 ft Top of Screen: 56.87 ft Total Depth: 67.44 ft Initial Depth to Water: 44.57 ft	Pump Type: Peristaltic Tubing Type: LDPE Pump Intake: 61.35 ft Estimated Total Volume Pumped: 5000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1080306
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Test Notes:
Turbidimeter SN 15040C040490 DTW meter SN 28840. Sample taken and field duplicate at 17:35
6 Bottle x 2: 6 x 1,000 mL (HNO3) - Radium 226/228 2 x 250 mL (unpreserved) - TDS 2 x 250 mL (unpreserved) - Anions 2 x 250 mL (HNO3) - Metals
Weather Conditions:
Sunny 50F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 5	+/- 10		
2/2/2026 5:05 PM	00:00	5.608 pH	18.15 °C	1,674 µS/cm	1.623 mg/L	3.490 NTU	-3.3 mV	44.57 ft	200.0 ml/min
2/2/2026 5:10 PM	05:00	5.624 pH	17.88 °C	1,657 µS/cm	0.907 mg/L	3.640 NTU	-80.3 mV	44.57 ft	200.0 ml/min
2/2/2026 5:15 PM	10:00	5.652 pH	17.87 °C	1,658 µS/cm	0.397 mg/L	3.010 NTU	-75.4 mV	44.57 ft	200.0 ml/min
2/2/2026 5:20 PM	15:00	5.671 pH	17.75 °C	1,676 µS/cm	0.345 mg/L	2.190 NTU	-82.6 mV	44.57 ft	200.0 ml/min
2/2/2026 5:25 PM	20:00	5.676 pH	17.72 °C	1,684 µS/cm	0.299 mg/L	1.590 NTU	-82.3 mV	44.57 ft	200.0 ml/min
2/2/2026 5:30 PM	25:00	5.679 pH	17.62 °C	1,678 µS/cm	0.293 mg/L	1.360 NTU	-80.8 mV	44.57 ft	200.0 ml/min

Samples

Sample ID:	Description:
ARK-AP1PZ-3	17:35
ARK-AP1-FD-02	

Low-Flow Test Report:

Test Date / Time: 2/2/2026 4:32:29 PM
Project: Plant Arkwright
Operator Name: J. Ashe

Location Name: AP1PZ-4 Latitude: 32.91788222025449 Longitude: -83.69859391998114 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 56.92 ft Total Depth: 67.42 ft Initial Depth to Water: 47.66 ft	Pump Type: Dedicated Tubing Type: LDPE Pump Intake From TOC: 61.47 ft Estimated Total Volume Pumped: 2500 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 1.34 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1265019
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Test Notes:
Turbidimeter SN: 15030L039370; DTW meter SN: 12DF2306011ML ID: 102; PSI: 35.

Weather Conditions:
Sunny, 11°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	
2/2/2026 4:32 PM	00:00	6.165 pH	20.88 °C	2,218 µS/cm	2.575 mg/L	12.50 NTU	27.8 mV	47.66 ft	100.0 ml/min
2/2/2026 4:37 PM	05:00	6.159 pH	19.07 °C	2,264 µS/cm	1.860 mg/L	14.00 NTU	54.0 mV	48.65 ft	100.0 ml/min
2/2/2026 4:42 PM	10:00	6.158 pH	18.81 °C	2,264 µS/cm	1.832 mg/L	10.90 NTU	58.3 mV	48.77 ft	100.0 ml/min
2/2/2026 4:47 PM	15:00	6.157 pH	18.57 °C	2,253 µS/cm	1.781 mg/L	7.480 NTU	60.3 mV	48.86 ft	100.0 ml/min
2/2/2026 4:52 PM	20:00	6.146 pH	18.46 °C	2,270 µS/cm	1.720 mg/L	4.910 NTU	59.8 mV	48.94 ft	100.0 ml/min
2/2/2026 4:57 PM	25:00	6.144 pH	18.22 °C	2,271 µS/cm	1.588 mg/L	3.720 NTU	59.8 mV	49.00 ft	100.0 ml/min

Samples

Sample ID:	Description:
ARK-AP1PZ-4	Sample time: 17:05 6 Bottle: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 250 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total

Low-Flow Test Report:

Test Date / Time: 2/2/2026 1:51:24 PM
Project: Plant 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: 56.75 ft Total Depth: 67.25 ft Initial Depth to Water: 49.27 ft	Pump Type: Dedicated Bladder Pump Tubing Type: LDPE Tubing Inner Diameter: 0.17 in Tubing Length: 66 ft Pump Intake From TOC: 61.34 ft Estimated Total Volume Pumped: 3500 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.62 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1265037
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Test Notes:
Turbidimeter S/N: 24090D000297 WLM S/N: 26505

Weather Conditions:
9C Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/2/2026 1:51 PM	00:00	6.020 pH	16.29 °C	2,970 µS/cm	3.763 mg/L	1.110 NTU	80.3 mV	49.27 ft	100.0 ml/min
2/2/2026 1:56 PM	05:00	6.030 pH	15.93 °C	3,006 µS/cm	1.752 mg/L	0.720 NTU	123.8 mV	49.62 ft	100.0 ml/min
2/2/2026 2:01 PM	10:00	6.031 pH	15.80 °C	2,999 µS/cm	1.691 mg/L	0.900 NTU	114.8 mV	49.89 ft	100.0 ml/min
2/2/2026 2:06 PM	15:00	6.041 pH	15.91 °C	3,005 µS/cm	1.331 mg/L	1.150 NTU	100.9 mV	49.89 ft	100.0 ml/min
2/2/2026 2:11 PM	20:00	6.054 pH	16.00 °C	3,008 µS/cm	1.131 mg/L	1.310 NTU	91.0 mV	49.89 ft	100.0 ml/min
2/2/2026 2:16 PM	25:00	6.060 pH	16.04 °C	3,008 µS/cm	1.000 mg/L	0.940 NTU	85.8 mV	49.89 ft	100.0 ml/min
2/2/2026 2:21 PM	30:00	6.063 pH	16.08 °C	3,013 µS/cm	0.969 mg/L	1.020 NTU	82.8 mV	49.89 ft	100.0 ml/min
2/2/2026 2:26 PM	35:00	6.072 pH	15.82 °C	3,000 µS/cm	0.912 mg/L	0.990 NTU	82.2 mV	49.89 ft	100.0 ml/min

Samples

Sample ID:	Description:
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ARK-AP1PZ-5	6 Bottle: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 250 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total Collected at: 14:30
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Low-Flow Test Report:

Test Date / Time: 2/2/2026 5:09:13 PM
Project: Plant Arkwright
Operator Name: Megon Stepaniuk

Location Name: AP1PZ-7 Latitude: 32.9171707441961 Longitude: -83.69924302725457 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 67.25 ft Total Depth: 77.75 ft	Pump Type: Dedicated Tubing Type: LDPE Pump Intake From TOC: 71.77 ft Estimated Total Volume Pumped: 9808 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Drawdown: 2.9 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1265003
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Test Notes:
HACH S/N 24080D000330
WLM: 006

Weather Conditions:
10 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	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
2/2/2026 5:09 PM	00:00	6.191 pH	17.18 °C	2,113 µS/cm	5.128 mg/L	20.50 NTU	23.9 mV	51.30 ft	160.0 ml/min
2/2/2026 5:14 PM	05:00	6.164 pH	16.92 °C	2,154 µS/cm	3.720 mg/L	60.00 NTU	8.4 mV	51.90 ft	160.0 ml/min
2/2/2026 5:19 PM	10:00	6.192 pH	17.10 °C	2,220 µS/cm	3.359 mg/L	53.80 NTU	9.1 mV	52.25 ft	160.0 ml/min
2/2/2026 5:24 PM	15:00	6.202 pH	17.14 °C	2,201 µS/cm	3.088 mg/L	36.70 NTU	8.0 mV	52.68 ft	160.0 ml/min
2/2/2026 5:29 PM	20:00	6.218 pH	17.08 °C	2,184 µS/cm	2.958 mg/L	27.80 NTU	5.2 mV	52.91 ft	160.0 ml/min
2/2/2026 5:34 PM	25:00	6.228 pH	17.01 °C	2,180 µS/cm	2.899 mg/L	20.70 NTU	2.6 mV	53.09 ft	160.0 ml/min
2/2/2026 5:40 PM	31:18	6.233 pH	17.10 °C	2,172 µS/cm	2.721 mg/L	15.20 NTU	-0.5 mV	53.38 ft	160.0 ml/min
2/2/2026 5:45 PM	36:18	6.227 pH	16.96 °C	2,176 µS/cm	2.597 mg/L	11.90 NTU	-6.1 mV	53.54 ft	160.0 ml/min
2/2/2026 5:50 PM	41:18	6.222 pH	16.98 °C	2,176 µS/cm	2.429 mg/L	8.860 NTU	-11.8 mV	53.70 ft	160.0 ml/min
2/2/2026 5:55 PM	46:18	6.218 pH	16.97 °C	2,181 µS/cm	2.274 mg/L	7.790 NTU	-15.7 mV	53.80 ft	160.0 ml/min
2/2/2026 6:00 PM	51:18	6.213 pH	16.96 °C	2,180 µS/cm	2.140 mg/L	5.810 NTU	-18.6 mV	53.90 ft	160.0 ml/min
2/2/2026 6:05 PM	56:18	6.208 pH	16.93 °C	2,160 µS/cm	2.016 mg/L	5.300 NTU	-20.0 mV	53.99 ft	160.0 ml/min
2/2/2026 6:10 PM	01:01:18	6.205 pH	16.92 °C	2,186 µS/cm	1.894 mg/L	4.760 NTU	-20.1 mV	54.20 ft	160.0 ml/min

Samples

Sample ID:	Description:
ARK-AP1PZ-7	AP-1: 6 Bottle: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 250 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total Sample time: 1818

Low-Flow Test Report:

Test Date / Time: 2/3/2026 10:21:45 AM
Project: Plant Arkwright
Operator Name: Megon Stepaniuk

Location Name: AP1PZ-8 Latitude: 32.9171707441961 Longitude: -83.69924302725457 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 55.59 ft Total Depth: 66.09 ft Initial Depth to Water: 48.2 ft	Pump Type: Dedicated Bladder Pump Tubing Type: LDPE Tubing Length: 64 ft Pump Intake From TOC: 59.03 ft Estimated Total Volume Pumped: 5000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 2.97 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1265003
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Test Notes:
WLM S/N 006
HACH S/N 24080D000330

Weather Conditions:
6 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 %	+/- 0.3	+/- 5 NTU	+/- 10	+/- 5	
2/3/2026 10:21 AM	00:00	6.609 pH	18.75 °C	1,354 µS/cm	2.821 mg/L	4.780 NTU	27.3 mV	49.08 ft	200.0 ml/min
2/3/2026 10:26 AM	05:00	6.596 pH	18.88 °C	1,399 µS/cm	2.341 mg/L	2.590 NTU	11.6 mV	49.61 ft	200.0 ml/min
2/3/2026 10:31 AM	10:00	6.597 pH	18.97 °C	1,401 µS/cm	2.003 mg/L	2.090 NTU	1.4 mV	50.23 ft	200.0 ml/min
2/3/2026 10:36 AM	15:00	6.598 pH	19.09 °C	1,408 µS/cm	1.746 mg/L	1.360 NTU	-4.5 mV	50.68 ft	200.0 ml/min
2/3/2026 10:41 AM	20:00	6.602 pH	19.17 °C	1,412 µS/cm	1.637 mg/L	1.070 NTU	-7.7 mV	51.05 ft	200.0 ml/min
2/3/2026 10:46 AM	25:00	6.606 pH	19.01 °C	1,439 µS/cm	1.558 mg/L	0.900 NTU	-10.2 mV	51.17 ft	200.0 ml/min

Samples

Sample ID:	Description:
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ARK-AP1PZ-8	6 Bottle Set x 2: 6 x 1,000 mL (HNO3) - Radium 226/228 2 x 250 mL (unpreserved) - TDS 2 x 250 mL (unpreserved) - Anions 2 x 250 mL (HNO3) - Metals, Total Sample time: 1100 ARK-AP1-FD-01 taken here.
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Low-Flow Test Report:

Test Date / Time: 2/2/2026 3:15:42 PM
Project: Plant Arkwright
Operator Name: D Abuan

Location Name: AP1PZ-9 Latitude: 32.91906331473928 Longitude: -83.69867282660917 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: 46.55 ft	Pump Type: Dedicated Tubing Type: LDPE Pump Intake From TOC: 54.55 ft Estimated Total Volume Pumped: 4500 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 3.4 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1264994
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Test Notes:

6 Bottle: 1600
3 x 1,000 mL (HNO3) - Radium 226/228
1 x 250 mL (unpreserved) - TDS
1 x 250 mL (unpreserved) - Anions
1 x 250 mL (HNO3) - Metals, Total
EB 6 Bottle: 1630
3 x 1,000 mL (HNO3) - Radium 226/228
1 x 250 mL (unpreserved) - TDS, Alkalinity
1 x 250 mL (unpreserved) - Anions
1 x 250 mL (HNO3) - Metals, Total HACH
SN 231100000009
DTW meter SN 11DF2206173HB
DO is fluctuating.

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	
2/2/2026 3:15 PM	00:00	4.305 pH	18.79 °C	627.6 µS/cm	0.873 mg/L	9.240 NTU	251.3 mV	46.55 ft	100.0 ml/min
2/2/2026 3:20 PM	05:00	4.275 pH	18.54 °C	625.9 µS/cm	1.130 mg/L	5.300 NTU	320.1 mV	47.90 ft	100.0 ml/min
2/2/2026 3:25 PM	10:00	4.253 pH	18.40 °C	624.3 µS/cm	2.081 mg/L	4.300 NTU	318.0 mV	47.50 ft	100.0 ml/min
2/2/2026 3:30 PM	15:00	4.247 pH	18.34 °C	623.8 µS/cm	2.941 mg/L	3.630 NTU	309.5 mV	47.68 ft	100.0 ml/min
2/2/2026 3:35 PM	20:00	4.261 pH	18.22 °C	628.2 µS/cm	3.279 mg/L	3.690 NTU	237.2 mV	48.08 ft	100.0 ml/min
2/2/2026 3:40 PM	25:00	4.288 pH	18.37 °C	629.5 µS/cm	3.021 mg/L	4.010 NTU	230.5 mV	48.34 ft	100.0 ml/min
2/2/2026 3:45 PM	30:00	4.361 pH	18.38 °C	631.4 µS/cm	2.620 mg/L	3.770 NTU	218.9 mV	48.61 ft	100.0 ml/min

2/2/2026 3:50 PM	35:00	4.398 pH	18.33 °C	627.3 µS/cm	2.419 mg/L	2.340 NTU	261.0 mV	49.03 ft	100.0 ml/min
2/2/2026 3:55 PM	40:00	4.454 pH	18.26 °C	620.0 µS/cm	2.239 mg/L	2.050 NTU	207.1 mV	49.45 ft	100.0 ml/min
2/2/2026 4:00 PM	45:00	4.529 pH	18.19 °C	609.0 µS/cm	1.939 mg/L	2.710 NTU	195.1 mV	49.95 ft	100.0 ml/min

Samples

Sample ID:	Description:
ARK-AP1PZ-9	
ARK-AP1-EB-02	

Low-Flow Test Report:

Test Date / Time: 2/3/2026 10:31:11 AM
Project: Plant 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: 45.98 ft Total Depth: 56.48 ft Initial Depth to Water: 41.61 ft	Pump Type: Dedicated Bladder Pump Tubing Type: LDPE Tubing Inner Diameter: 0.17 in Tubing Length: 60 ft Pump Intake From TOC: 50.5 ft Estimated Total Volume Pumped: 3500 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 1.75 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1265037
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Test Notes:
MP-50 S/N: 17 ID: 100 PSI: 40
Turbidimeter S/N: 24090D000297
WLM S/N: 26505

Weather Conditions:
7C Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/3/2026 10:31 AM	00:00	6.346 pH	15.37 °C	548.0 µS/cm	1.102 mg/L	4.190 NTU	-53.3 mV	41.61 ft	100.0 ml/min
2/3/2026 10:36 AM	05:00	6.375 pH	15.50 °C	547.8 µS/cm	0.834 mg/L	3.750 NTU	-58.1 mV	42.52 ft	100.0 ml/min
2/3/2026 10:41 AM	10:00	6.372 pH	15.27 °C	545.8 µS/cm	0.992 mg/L	3.830 NTU	-36.9 mV	42.69 ft	100.0 ml/min
2/3/2026 10:46 AM	15:00	6.363 pH	16.00 °C	550.6 µS/cm	0.910 mg/L	4.150 NTU	-48.1 mV	42.77 ft	100.0 ml/min
2/3/2026 10:51 AM	20:00	6.385 pH	16.09 °C	556.1 µS/cm	0.709 mg/L	3.160 NTU	-56.1 mV	42.91 ft	100.0 ml/min
2/3/2026 10:56 AM	25:00	6.395 pH	16.54 °C	612.0 µS/cm	0.819 mg/L	2.510 NTU	-63.8 mV	43.09 ft	100.0 ml/min
2/3/2026 11:01 AM	30:00	6.402 pH	16.73 °C	606.9 µS/cm	0.752 mg/L	2.760 NTU	-70.6 mV	43.21 ft	100.0 ml/min
2/3/2026 11:06 AM	35:00	6.395 pH	16.81 °C	608.1 µS/cm	0.771 mg/L	2.360 NTU	-76.3 mV	43.36 ft	100.0 ml/min

Samples

Sample ID:	Description:
ARK-AP1PZ-10	6 Bottle Sets: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 250 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total Collected at: 11:10
ARK-AP1-FB-02	6 Bottle Sets: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 250 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total Collected at: 11:30

Low-Flow Test Report:

Test Date / Time: 2/3/2026 10:50:19 AM
Project: Plant Arkwright
Operator Name: J. Ashe

Location Name: AP1PZ-11 Latitude: 32.920545717314056 Longitude: -83.69946973663467 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: 41.97 ft	Pump Type: Dedicated Bladder Pump Tubing Type: LDPE Pump Intake From TOC: 67.85 ft Estimated Total Volume Pumped: 2500 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.21 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1265019
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Test Notes:
Turbidimeter SN: 15030L039370; Heron Dipper T SN: 12DF2306011ML; MP50 ID: 107, PSI: 35, 4CPM.

Weather Conditions:
Sunny, 8°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	
2/3/2026 10:50 AM	00:00	6.895 pH	20.71 °C	277.4 µS/cm	5.312 mg/L	1.690 NTU	158.9 mV	41.97 ft	100.0 ml/min
2/3/2026 10:55 AM	05:00	6.718 pH	18.48 °C	283.8 µS/cm	3.602 mg/L	3.770 NTU	156.3 mV	42.18 ft	100.0 ml/min
2/3/2026 11:00 AM	10:00	6.722 pH	18.52 °C	284.2 µS/cm	3.383 mg/L	4.190 NTU	165.4 mV	42.18 ft	100.0 ml/min
2/3/2026 11:05 AM	15:00	6.724 pH	18.64 °C	283.0 µS/cm	3.317 mg/L	4.870 NTU	178.4 mV	42.18 ft	100.0 ml/min
2/3/2026 11:10 AM	20:00	6.727 pH	18.65 °C	281.6 µS/cm	3.250 mg/L	3.690 NTU	189.7 mV	42.18 ft	100.0 ml/min
2/3/2026 11:15 AM	25:00	6.729 pH	18.87 °C	280.3 µS/cm	3.227 mg/L	3.230 NTU	199.6 mV	42.18 ft	100.0 ml/min

Samples

Sample ID:	Description:
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ARK-AP1PZ-11	Sample time: 1120 6 Bottle Sets: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 250 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total
ARK-AP1-FB-01	Sample time: 1130 6 Bottle Sets: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 250 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total

Low-Flow Test Report:

Test Date / Time: 2/2/2026 2:09:26 PM
Project: Plant Arkwright
Operator Name: Megon Stepaniuk

Location Name: AP1GWC-6 Latitude: 32.92606859821077 Longitude: -83.69849420407704 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 38.2 ft Total Depth: 48.8 ft Initial Depth to Water: 31.07 ft	Pump Type: Peristaltic Pump Tubing Type: LDPE Pump Intake From TOC: 43.2 ft Estimated Total Volume Pumped: 6998.333 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.14 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1265003
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Test Notes: Turbidimeter SN 24080D000330; DTW meter SN 006

Weather Conditions:
9 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 %	+/- 0.3	+/- 5	+/- 10	+/- 5	
2/2/2026 2:09 PM	00:00	6.055 pH	25.69 °C	304.9 µS/cm	4.814 mg/L	20.10 NTU	146.5 mV	31.12 ft	280.0 ml/min
2/2/2026 2:14 PM	05:00	5.941 pH	19.26 °C	332.2 µS/cm	3.243 mg/L		126.6 mV	31.12 ft	280.0 ml/min
2/2/2026 2:19 PM	10:00	5.975 pH	20.22 °C	322.3 µS/cm	5.501 mg/L	13.00 NTU	154.1 mV	31.18 ft	100.0 ml/min
2/2/2026 2:24 PM	15:00	5.660 pH	19.92 °C	330.0 µS/cm	1.433 mg/L	11.70 NTU	142.4 mV	31.20 ft	100.0 ml/min
2/2/2026 2:29 PM	20:00	5.893 pH	20.39 °C	326.9 µS/cm	1.160 mg/L	11.40 NTU	92.8 mV	31.20 ft	100.0 ml/min
2/2/2026 2:34 PM	25:00	5.831 pH	20.25 °C	328.0 µS/cm	1.124 mg/L	10.80 NTU	86.8 mV	31.20 ft	100.0 ml/min
2/2/2026 2:39 PM	30:00	5.882 pH	20.49 °C	325.4 µS/cm	1.093 mg/L	9.230 NTU	82.8 mV	31.21 ft	100.0 ml/min
2/2/2026 2:44 PM	35:00	5.872 pH	19.95 °C	326.5 µS/cm	1.066 mg/L	7.220 NTU	79.1 mV	31.21 ft	100.0 ml/min
2/2/2026 2:49 PM	40:00	5.860 pH	20.15 °C	326.2 µS/cm	1.011 mg/L	6.390 NTU	78.2 mV	31.21 ft	100.0 ml/min
2/2/2026 2:54 PM	45:00	5.721 pH	20.30 °C	324.7 µS/cm	0.948 mg/L	5.250 NTU	76.0 mV	31.21 ft	100.0 ml/min
2/2/2026 2:59 PM	50:00	5.824 pH	20.31 °C	325.3 µS/cm	0.913 mg/L	4.060 NTU	74.2 mV	31.21 ft	100.0 ml/min

Samples

Sample ID:	Description:
ARK-AP1GWC-6	AP-1: 6 Bottle: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 250 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total 1515

Low-Flow Test Report:

Test Date / Time: 2/2/2026 2:18:32 PM
Project: Plant Arkwright
Operator Name: Peyton Hillman

Location Name: AP1GWC-7 Latitude: 32.92405086600437 Longitude: -83.69871938327523 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 12.59 ft Total Depth: 23.19 ft Initial Depth to Water: 11.34 ft	Pump Type: Peristaltic Tubing Type: LDPE Pump Intake From TOC: 17.59 ft Estimated Total Volume Pumped: 7800 ml Flow Cell Volume: 90 ml Final Flow Rate: 260 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1080306
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Test Notes: Sample time: 14:55 Turbidimeter SN 15040C040490 DTW meter SN 28840.

Weather Conditions:
Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 5	+/- 10		
2/2/2026 2:18 PM	00:00	6.388 pH	19.98 °C	307.5 µS/cm	2.637 mg/L		148.9 mV	11.34 ft	260.0 ml/min
2/2/2026 2:23 PM	05:00	5.653 pH	18.87 °C	307.7 µS/cm	1.819 mg/L	13.70 NTU	167.4 mV	11.34 ft	260.0 ml/min
2/2/2026 2:28 PM	10:00	5.626 pH	18.82 °C	306.5 µS/cm	1.768 mg/L	11.70 NTU	137.7 mV	11.34 ft	260.0 ml/min
2/2/2026 2:33 PM	15:00	5.620 pH	18.58 °C	307.0 µS/cm	1.747 mg/L	8.040 NTU	133.4 mV	11.34 ft	260.0 ml/min
2/2/2026 2:38 PM	20:00	5.613 pH	18.58 °C	307.1 µS/cm	1.731 mg/L	7.210 NTU	131.6 mV	11.34 ft	260.0 ml/min
2/2/2026 2:43 PM	25:00	5.613 pH	18.50 °C	306.6 µS/cm	1.723 mg/L	5.220 NTU	131.3 mV	11.34 ft	260.0 ml/min
2/2/2026 2:48 PM	30:00	5.618 pH	18.51 °C	306.8 µS/cm	1.710 mg/L	4.380 NTU	130.9 mV	11.34 ft	260.0 ml/min

Samples

Sample ID:	Description:
ARK-AP1GWC-7	6 Bottle: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 250 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total

Low-Flow Test Report:

Test Date / Time: 2/2/2026 3:37:39 PM
Project: Plant Arkwright
Operator Name: Peyton Hillman

Location Name: AP1GWC-8 Latitude: 32.92232647320601 Longitude: -83.69868945797332 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: 11.55 ft	Pump Type: Peristaltic Tubing Type: LDPE Pump Intake From TOC: 18.53 ft Estimated Total Volume Pumped: 7000 ml Flow Cell Volume: 90 ml Final Flow Rate: 280 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1080306
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Test Notes:
Sample taken at 16:10. Turbidimeter SN 15040C040490; DTW meter SN 28840

Weather Conditions:
Sunny 50F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 5	+/- 10		
2/2/2026 3:37 PM	00:00	5.476 pH	19.32 °C	1,176 µS/cm	2.035 mg/L	5.930 NTU	116.5 mV	11.55 ft	280.0 ml/min
2/2/2026 3:42 PM	05:00	5.474 pH	18.75 °C	1,207 µS/cm	1.673 mg/L	2.580 NTU	181.5 mV	11.55 ft	280.0 ml/min
2/2/2026 3:47 PM	10:00	5.476 pH	18.70 °C	1,194 µS/cm	1.561 mg/L	2.760 NTU	163.0 mV	11.55 ft	280.0 ml/min
2/2/2026 3:52 PM	15:00	5.475 pH	18.67 °C	1,182 µS/cm	1.467 mg/L	2.040 NTU	158.3 mV	11.55 ft	280.0 ml/min
2/2/2026 3:57 PM	20:00	5.482 pH	18.67 °C	1,179 µS/cm	1.361 mg/L	1.630 NTU	153.6 mV	11.55 ft	280.0 ml/min
2/2/2026 4:02 PM	25:00	5.484 pH	18.51 °C	1,176 µS/cm	1.366 mg/L	1.580 NTU	150.4 mV	11.55 ft	280.0 ml/min

Samples

Sample ID:	Description:
ARK-AP1GWC-8	Sample taken at 16:10.6 Bottle: 3 x 1,000 mL (HNO3) - Radium 226/228 1 x 250 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total

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	Manufacturer/ 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

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	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

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	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 vendor
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	Manufacturer/ 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

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	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

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	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	Manufacturer/ 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

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	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

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	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	Manufacturer/ 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

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	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

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	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	Manufacturer/ 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

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	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

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	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	Manufacturer/ 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

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	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

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

Notes:

Field Instrumentation Calibration Form

Site Name: __Plant Arkwright__

Date: __2/2/2026__

Calibrated By: __Devon Abuan__

Field Conditions: __9 C Clear__

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	Aqua Troll 400	1264994
Turbidity Meter	HACH 2100Q	2311000009

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	24211711	Sep-26	AIR
pH (SU)	10.00	24022784	Sep-26	AIR
D.O. (%)	N/A	N/A	N/A	AIR
ORP (mV)	228.0	24020598	Sep-26	AIR

Calibration					
Time Start	1130	Time Finish	1208		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,615	17.53	± 10% of standard	EPA 2023
pH (SU)	4.00	3.99	18.45	± 0.1	GWMP
pH (SU)	7.00	6.92	19.48	± 0.1	GWMP
pH (SU)	10.00	9.93	17.94	± 0.1	GWMP
D.O. (%)	N/A	100.1	20.31	± 10%	NA
ORP (mV)	228.0	223.0	17.32	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	20.2	± 10% of standard	EPA 2023
	100	101		
	800	805		
	10	10		

Calibration Check					
Time Start	14:20	Time Finish	14:40		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,325	18.14	± 10% of standard	EPA 2023
pH (SU)	4.00	4.06	18.14	± 0.1	GWMP
pH (SU)	7.00	6.94	20.59	± 0.1	GWMP
pH (SU)	10.00	10.00	18.32	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	20.4	± 10% of standard	EPA 2023
	100	102		
	800	799		
	10	9.94		

Notes:

Field Instrumentation Calibration Form

Site Name: ____ Plant Arkwright ____

Date: ____ 2/2/2026 ____

Calibrated By: ____ Jacob Ashe ____

Field Conditions: _ 9 C Clear _

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	1265019
Turbidity Meter	Hach 2100Q	15030L039370

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	24022784	Sep-26	AIR
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	228.0	24020598	Sep-26	AIR

Calibration					
Time Start	11:30	Time Finish	12:15		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (μS/cm)	4,490	4750	15.14	± 10% of standard	EPA 2023
pH (SU)	4.00	4.06	15.8	± 0.1	GWMP
pH (SU)	7.00	7.10	16.14	± 0.1	GWMP
pH (SU)	10.00	10.10	16.33	± 0.1	GWMP
D.O. (%)	N/A	108.4	N/A	± 10%	NA
ORP (mV)	228.0	231.9	15.6	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	20	± 10% of standard	EPA 2023
	100	99.6		
	800	802		
	10	9.98		

Calibration Check					
Time Start	15:40	Time Finish	15:50		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (μS/cm)	4,490	4469	NM	± 10% of standard	EPA 2023
pH (SU)	4.00	4.09	20.12	± 0.1	GWMP
pH (SU)	7.00	7.09	19.34	± 0.1	GWMP
pH (SU)	10.00	10.1	18.91	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	18.6	± 10% of standard	EPA 2023
	100	100		
	800	810		
	10	10.2		

Notes: Specific conductivity solution temperature unintentionally not recorded during afternoon calibration check.

Field Instrumentation Calibration Form

Site Name: _Plant Arkwright_

Date: _2/2/2026_

Calibrated By: _Max Moore_

Field Conditions: _Sunny, 0 C_

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	1176277
Turbidity Meter	Hach 2100Q	24090D000297

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	24027784	Sep-26	AIR
D.O. (%)	N/A	N/A	N/A	AIR
ORP (mV)	228.0	24020598	Sep-26	AIR

Calibration					
Time Start	11:45	Time Finish	12:05		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,484	15.89	± 10% of standard	EPA 2023
pH (SU)	4.00	4.09	15.89	± 0.1	GWMP
pH (SU)	7.00	7.00	16.48	± 0.1	GWMP
pH (SU)	10.00	10.12	16.6	± 0.1	GWMP
D.O. (%)	N/A	100.20%	N/A	± 10%	NA
ORP (mV)	228.0	228.0	17.29	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	20.3	± 10% of standard	EPA 2023
	100	98.8		
	800	783		
	10	9.91		

Calibration Check					
Time Start	18:30	Time Finish	18:40		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4580	16.27	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	16.27	± 0.1	GWMP
pH (SU)	7.00	7.08	16.31	± 0.1	GWMP
pH (SU)	10.00	10.13	16.27	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	19.3	± 10% of standard	EPA 2023
	100	105		
	800	795		
	10	9.83		

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 vendor

Field Instrumentation Calibration Form

Site Name: _Plant Arkwright_

Date: _02/02/2026_

Calibrated By: _Megon Stepaniuk_

Field Conditions: _Sunny, 6 C_

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	1077645
Turbidity Meter	Hach 2100Q	24080D000330

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	24022784	Sep-26	AIR
D.O. (%)	100	N/A	N/A	AIR
ORP (mV)	228.0	24020598	Sep-26	AIR

Calibration					
Time Start	1130	Time Finish	1210		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4002	15.03	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	16.56	± 0.1	GWMP
pH (SU)	7.00	7.02	16.65	± 0.1	GWMP
pH (SU)	10.00	10.11	16.99	± 0.1	GWMP
D.O. (%)	N/A	100.4	15.55	± 10%	NA
ORP (mV)	228.0	227.9	14.54	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	19.5	± 10% of standard	EPA 2023
	100	90.6		
	800	808		
	10	10.1		

Calibration Check					
Time Start	1935	Time Finish	1955		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4081	17.89	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	18.04	± 0.1	GWMP
pH (SU)	7.00	7.01	18.13	± 0.1	GWMP
pH (SU)	10.00	10.08	18.11	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	19.8	± 10% of standard	EPA 2023
	100	92.2		
	800	804		
	10	10.2		

Notes:

Initial pH calibration out of acceptable range due to field judgement error assuming 10% versus ±0.1 S.U.
Instrument was outside standard calibration limits for specific conductivity,
AquaTROLL 400 unit did however indicate that specific conductivity and pH was calibrated to standards provided by equipment vendor.

Field Instrumentation Calibration Form

Site Name: _Plant Arkwright_

Date: _2/2/2026_

Calibrated By: _Peyton Hillman

Field Conditions: _Sunny, 0C_

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	850033
Turbidity Meter	Hach 2100Q	15040C040490

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	24022784	Sep-26	AIR
D.O. (%)	N/A	N/A	N/A	AIR
ORP (mV)	228.0	24020598	Sep-26	AIR

Calibration					
Time Start	11:42	Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	3,586	14.75	± 10% of standard	EPA 2023
pH (SU)	4.00	3.90	15.20	± 0.1	GWMP
pH (SU)	7.00	7.00	14.78	± 0.1	GWMP
pH (SU)	10.00	10.16	14.93	± 0.1	GWMP
D.O. (%)	N/A	104	17.01	± 10%	NA
ORP (mV)	228.0	229.4	17.04	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	19.6	± 10% of standard	EPA 2023
	100	98.6		
	800	797		
	10	9.68		

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

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

Notes:

Mid-day calibration check was performed, however not recorded.
 Initial pH calibration out of acceptable range due to field judgement error assuming 10% versus ±0.1 S.U.
 Instrument was outside standard calibration limits for specific conductivity.

Field Instrumentation Calibration Form

Site Name: _Plant Arkwright_

Date: _2/3/2026_

Calibrated By: _Jacob Ashe_

Field Conditions: _Sunny, 0 C_

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	1265019
Turbidity Meter	Hach 2100Q	15030L039370

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	24022784	Sep-26	AIR
D.O. (%)	N/A	N/A	N/A	AIR
ORP (mV)	228.0	24020598	Sep-26	AIR

Calibration					
Time Start	8:30	Time Finish	9:00		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (μS/cm)	4,490	4,441	7.88	± 10% of standard	EPA 2023
pH (SU)	4.00	3.908	7.88	± 0.1	GWMP
pH (SU)	7.00	7.02	8.91	± 0.1	GWMP
pH (SU)	10.00	10.07	9.77	± 0.1	GWMP
D.O. (%)	N/A	100.1	7.32	± 10%	NA
ORP (mV)	228.0	227.7	10.40	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	21.1	± 10% of standard	EPA 2023
	100	104		
	800	812		
	10	9.69		

Calibration Check					
Time Start	13:45	Time Finish	14:00		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (μS/cm)	4,490	4,304	18.97	± 10% of standard	EPA 2023
pH (SU)	4.00	4.09	18.97	± 0.1	GWMP
pH (SU)	7.00	7.08	17.67	± 0.1	GWMP
pH (SU)	10.00	10.1	17.80	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	20.4	± 10% of standard	EPA 2023
	100	101		
	800	790		
	10	10.3		

Notes:

Field Instrumentation Calibration Form

Site Name: _Plant Arkwright_

Date: _2/3/2026_

Calibrated By: _Max Moore_

Field Conditions: _Sunny, 0 C_

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	1176277
Turbidity Meter	Hach 2100Q	24090D000297

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	24027784	Sep-26	AIR
D.O. (%)	N/A	N/A	N/A	AIR
ORP (mV)	228.0	24020598	Sep-26	AIR

Calibration					
Time Start	8:10	Time Finish	8:30		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (μS/cm)	4,490	4,493	19.30	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	19.30	± 0.1	GWMP
pH (SU)	7.00	7.02	18.10	± 0.1	GWMP
pH (SU)	10.00	10.06	18.30	± 0.1	GWMP
D.O. (%)	N/A	99.9	100.20	± 10%	NA
ORP (mV)	228.0	228.0	17.61	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	20.5	± 10% of standard	EPA 2023
	100	103		
	800	812		
	10	10.1		

Calibration Check					
Time Start	13:20	Time Finish	13:30		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (μS/cm)	4,490	4,398	16.18	± 10% of standard	EPA 2023
pH (SU)	4.00	4.08	16.19	± 0.1	GWMP
pH (SU)	7.00	7.00	16.49	± 0.1	GWMP
pH (SU)	10.00	10.09	16.05	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	20.4	± 10% of standard	EPA 2023
	100	101		
	800	790		
	10	10.3		

Notes:

Field Instrumentation Calibration Form

Site Name: _Plant Arkwright_

Date: _2/3/2026_

Calibrated By: _Megon Stepaniuk_

Field Conditions: _Sunny, 0 C_

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	1077645
Turbidity Meter	Hach 2100Q	24080D000330

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	24022784	Sep-26	AIR
D.O. (%)	100	N/A	N/A	AIR
ORP (mV)	228.0	24020598	Sep-26	AIR

Calibration					
Time Start	8:00	Time Finish	8:30		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (μS/cm)	4,490	4428	15.51	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	14.02	± 0.1	GWMP
pH (SU)	7.00	7.04	14.90	± 0.1	GWMP
pH (SU)	10.00	10.09	15.42	± 0.1	GWMP
D.O. (%)	N/A	100.2	N/A	± 10%	NA
ORP (mV)	228.0	227.1	12.58	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	20.6	± 10% of standard	EPA 2023
	100	107		
	800	798		
	10	10.1		

Calibration Check					
Time Start	14:00	Time Finish	14:20		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (μS/cm)	4,490	4,483	15.48	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	15.22	± 0.1	GWMP
pH (SU)	7.00	7.05	15.42	± 0.1	GWMP
pH (SU)	10.00	10.07	15.61	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	20.2	± 10% of standard	EPA 2023
	100	104		
	800	799		
	10	10.2		

Notes:

C.3 Groundwater & Surface Water Laboratory Analytical Reports



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):

<u>Laboratory ID</u>	<u>Client ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
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

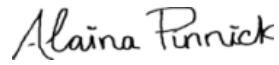
<u>Method</u>	<u>Run Date ID</u>
SW846 3005A	22-AUG-2025
SW846 7470A Prep	26-AUG-2025

Analysis Methods and Analysis Dates

<u>Method</u>	<u>Run Date ID</u>
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,

A handwritten signature in black ink that reads "Alaina Pinnick". The script is cursive and fluid, with the first name "Alaina" and last name "Pinnick" clearly distinguishable.

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

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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

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

Client Sample ID: ARK-AP1GWA-2
Sample ID: 739488002

Project: GPCC01924
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
Sample ID: 739488003
Project: GPCC01924
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-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

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

Client Sample ID: ARK-AP1PZ-2
Sample ID: 739488004

Project: GPCC01924
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-3 Project: GPCC01924
Sample ID: 739488005 Client ID: GPCC003
Matrix: WG
Collect Date: 18-AUG-25 16:20
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		5.26	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
Sample ID: 739488005

Project: GPCC01924
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-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
Sample ID: 739488008
Matrix: WG
Collect Date: 18-AUG-25 15:45
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		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
Sample ID: 739488008
Project: GPCC01924
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 Project: GPCC01924
Sample ID: 739488009 Client ID: GPCC003
Matrix: WG
Collect Date: 19-AUG-25 10:05
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		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
Sample ID: 739488009

Project: GPCC01924
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

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

Client Sample ID: ARK-AP1PZ-10
Sample ID: 739488010

Project: GPCC01924
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
Sample ID: 739488011
Project: GPCC01924
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
Sample ID: 739488012
Matrix: WQ
Collect Date: 19-AUG-25 12:30
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	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
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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
Sample ID: 739488012

Project: GPCC01924
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
Sample ID: 739488013
Matrix: WQ
Collect Date: 18-AUG-25 16:30
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	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
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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

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

Client Sample ID: ARK-AP1-EB-02
Sample ID: 739488013

Project: GPCC01924
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

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

Client Sample ID: ARK-AP1-FD-01
Sample ID: 739488014

Project: GPCC01924
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
Sample ID: 739488015

Project: GPCC01924
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

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

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

Client Sample ID: ARK-AP1-FB-01
Sample ID: 739488016

Project: GPCC01924
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

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-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
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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

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

Client Sample ID: ARK-AP1-FB-02
Sample ID: 739488017

Project: GPCC01924
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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QC Summary

Report Date: September 8, 2025

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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						

GEL LABORATORIES LLC

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

QC Summary

Workorder: 739488

Page 2 of 9

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	J 0.0633		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%)			

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QC Summary

Workorder: 739488

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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						

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QC Summary

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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%)			

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QC Summary

Workorder: 739488

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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%)			

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QC Summary

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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%)			

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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

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QC Summary

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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:

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QC Summary

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
739488001	ARK-APIGWA-1
739488002	ARK-APIGWA-2
739488003	ARK-APIPZ-1
739488004	ARK-APIPZ-2
739488005	ARK-APIPZ-3
739488006	ARK-APIPZ-4
739488007	ARK-APIPZ-5
739488008	ARK-APIPZ-7
739488009	ARK-APIPZ-8
739488010	ARK-APIPZ-10
739488011	ARK-APIPZ-11
739488012	ARK-API-EB-01
739488013	ARK-API-EB-02
739488014	ARK-API-FD-01
739488015	ARK-API-FD-02
739488016	ARK-API-FB-01
739488017	ARK-API-FB-02
1206211568	Method Blank (MB)
1206211569	Laboratory Control Sample (LCS)
1206211573	739488001(ARK-APIGWA-1L) Serial Dilution (SD)
1206211570	739488001(ARK-APIGWA-1S) Matrix Spike (MS)
1206211571	739488001(ARK-APIGWA-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-APIPZ-1), 739488004 (ARK-APIPZ-2), 739488005 (ARK-APIPZ-3), 739488006 (ARK-APIPZ-4), 739488007 (ARK-APIPZ-5), 739488008 (ARK-APIPZ-7), 739488009 (ARK-APIPZ-8), 739488010 (ARK-APIPZ-10) and 739488015 (ARK-API-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-APIGWA-1
739488002	ARK-APIGWA-2
739488003	ARK-APIPZ-1
739488004	ARK-APIPZ-2
739488005	ARK-APIPZ-3
739488006	ARK-APIPZ-4
739488007	ARK-APIPZ-5
739488008	ARK-APIPZ-7
739488009	ARK-APIPZ-8
739488010	ARK-APIPZ-10
739488011	ARK-APIPZ-11
739488012	ARK-API-EB-01
739488013	ARK-API-EB-02
739488014	ARK-API-FD-01
739488015	ARK-API-FD-02
739488016	ARK-API-FB-01
739488017	ARK-API-FB-02
1206214082	Method Blank (MB) CVAA
1206214083	Laboratory Control Sample (LCS)
1206214084	739488001(ARK-APIGWA-1D) Sample Duplicate (DUP)
1206214085	739488001(ARK-APIGWA-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).

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

(ARK-APIPZ-10), 739488011 (ARK-APIPZ-11), 739488014 (ARK-API-FD-01) and 739488015 (ARK-API-FD-02) were diluted because target analyte concentrations exceeded the calibration range. Samples 739488004 (ARK-APIPZ-2), 739488005 (ARK-APIPZ-3), 739488006 (ARK-APIPZ-4), 739488007 (ARK-APIPZ-5), 739488008 (ARK-APIPZ-7), 739488009 (ARK-APIPZ-8) and 739488015 (ARK-API-FD-02) were diluted to minimize matrix effects on instrument performance. Samples 1206210893 (ARK-APIGWA-1DUP), 1206210894 (ARK-APIPZ-11DUP), 1206210895 (ARK-APIGWA-1MS), 1206210896 (ARK-APIPZ-11MS), 739488001 (ARK-APIGWA-1), 739488003 (ARK-APIPZ-1), 739488004 (ARK-APIPZ-2), 739488005 (ARK-APIPZ-3), 739488006 (ARK-APIPZ-4), 739488007 (ARK-APIPZ-5), 739488008 (ARK-APIPZ-7), 739488009 (ARK-APIPZ-8), 739488010 (ARK-APIPZ-10) and 739488011 (ARK-APIPZ-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-APIGWA-1DUP), 1206210894 (ARK-APIPZ-11DUP), 1206210895 (ARK-APIGWA-1MS), 1206210896 (ARK-APIPZ-11MS), 739488001 (ARK-APIGWA-1), 739488002 (ARK-APIGWA-2), 739488003 (ARK-APIPZ-1), 739488004 (ARK-APIPZ-2), 739488005 (ARK-APIPZ-3), 739488006 (ARK-APIPZ-4), 739488008 (ARK-APIPZ-7), 739488009 (ARK-APIPZ-8), 739488010 (ARK-APIPZ-10), 739488011 (ARK-APIPZ-11), 739488014 (ARK-API-FD-01) and 739488015 (ARK-API-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).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
739488001	ARK-APIGWA-1
739488002	ARK-APIGWA-2
739488003	ARK-APIPZ-1
739488004	ARK-APIPZ-2
739488005	ARK-APIPZ-3
739488006	ARK-APIPZ-4
739488007	ARK-APIPZ-5

739488008	ARK-APIPZ-7
739488013	ARK-API-EB-02
739488014	ARK-API-FD-01
739488016	ARK-API-FB-01
739488017	ARK-API-FB-02
1206212807	Method Blank (MB)
1206212808	Laboratory Control Sample (LCS)
1206212810	739488007(ARK-APIPZ-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).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
739488009	ARK-APIPZ-8
739488010	ARK-APIPZ-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).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
739488011	ARK-APIPZ-11
739488012	ARK-API-EB-01
739488015	ARK-API-FD-02
1206214035	Method Blank (MB)
1206214036	Laboratory Control Sample (LCS)
1206214037	739488011(ARK-APIPZ-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.

Project # <u>1/2269434</u>		LABORATORIES LLC gel.com Chemistry Radiochemistry Radiobioassay Specialty Analytics		2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178	
GEL Quote #: _____		Chain of Custody and Analytical Request			
COC Number ⁽¹⁾ : <u>1</u> Sample Cooler(s) <u>6</u>		GEL Work Order Number: _____		GEL Project Manager: <u>Alaina Pinnick</u>	
PO Number: GPC82177-0005					
Client Name: Georgia Power		Phone # (937-344-6533)		Sample Analysis Requested ⁽⁵⁾ (Fill in the number of containers for each test)	
Project/Site Name: Plant Arkwright Ash Pond 1		Fax: N/A		Should this sample be considered: _____	
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308				Preservative Type (6) _____	
Collected By: Jacob Ashe, Jackson Bankston, Max Moore Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com				Comments (task_code: ARK-CCR-ASSMT-2025S2)	

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⁾	Radioactive (If yes, please supply isotopic info.)	(7) Known or possible Hazards	Total number of containers	*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, F, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cmbd	Mercury (7470B)	Fe2+/Mn2+ (6020B) Field Filtered			
ARK-APIGWA-1	08-18-25	1305	N	N	WG			6		X		X	X	X	X				
ARK-APIGWA-2	08-18-25	1335	N	N	WG			6		X		X	X	X	X				
ARK-APIPZ-1	08-18-25	1450	N	N	WG			6		X		X	X	X	X				
ARK-APIPZ-2	08-18-25	1548	N	N	WG			6		X		X	X	X	X				
ARK-APIPZ-3	08-18-25	1620	N	N	WG			6		X		X	X	X	X				
ARK-APIPZ-4	08-18-25	1710	N	N	WG			6		X		X	X	X	X				
ARK-APIPZ-5	08-18-25	1330	N	N	WG			6		X		X	X	X	X				
ARK-APIPZ-7	08-18-25	1545	N	N	WG			6		X		X	X	X	X				
ARK-APIPZ-8	08-19-25	1005	N	N	WG			6		X		X	X	X	X				

Chain of Custody Signatures						TAT Requested: Normal: ☒ Rush: _____ Specify: _____ (Subject to Surcharge)	
Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date	Fax Results: ☐ Yes ☒ No	
<i>Jackson Bankston</i>	Stantec	8/21/25	<i>Jackson Bankston</i>	Stantec	8/21/25	Select Deliverable: ☐ C of A ☐ QC Summary ☐ Level 1 ☒ Level 2 ☐ Level 3 ☐ Level 4	
		10920			10920	Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3	
						For Lab Receiving Use Only: Custody Seal Intact? ☐ Yes ☐ No Cooler Temp: <u>0-1</u> °C	

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

Sample Collection Time Zone: ☒ 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

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: _____ _____ _____
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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.)

SAMPLE RECEIPT & REVIEW FORM 738496 739498 738499

Client: GPCC		SDG/AR/COC/Work Order: 739488 739492 739494 739495		GEL PAI: 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 radlchem only).	Tracking Number	
Cooler #1		0°		Cooler #6	
Cooler #2		0°		Cooler #7	
Cooler #3		0°		Cooler #8	
Cooler #4		0°		Cooler #9	
Cooler #5		0°		Cooler #10	
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 Celsius
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: 10:739496 ARK-API-FO017 If Preservation added, List:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)		☒		If Yes, are Bencenes 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					



Client: GPCC Received By: KE Date Received: 8-21-25 SDG/AR/COC/Work Order: _____

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

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):

<u>Laboratory ID</u>	<u>Client ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
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

<u>Method</u>	<u>Run Date ID</u>
SW846 3005A	27-AUG-2025
SW846 7470A Prep	03-SEP-2025

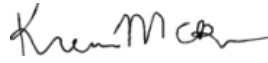
Analysis Methods and Analysis Dates

<u>Method</u>	<u>Run Date ID</u>
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,

A handwritten signature in black ink, appearing to read 'Kierra McKnight'.

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:

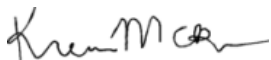
- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL
- J Value is estimated
- N/A RPD or %Recovery limits 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

Contact: Atlanta, Georgia 30308
Project: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-AP1PZ-9
Sample ID: 740066001

Project: GPCC01924
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

GEL LABORATORIES LLC

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QC Summary

Report Date: September 10, 2025

Page 1 of 8

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

GEL LABORATORIES LLC

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QC Summary

Workorder: 740066

Page 2 of 8

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

GEL LABORATORIES LLC

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QC Summary

Workorder: 740066

Page 3 of 8

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

GEL LABORATORIES LLC

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

QC Summary

Workorder: 740066

Page 4 of 8

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

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QC Summary

Workorder: 740066

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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

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QC Summary

Workorder: 740066

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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

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QC Summary

Workorder: 740066

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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

GEL LABORATORIES LLC

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QC Summary

Workorder: 740066

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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).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
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).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
740066001	ARK-APIPZ-9
1206221332	Method Blank (MB)CVA
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).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
740066001	ARK-APIPZ-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-APIPZ-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-APIPZ-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).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
740066001	ARK-APIPZ-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.

740066
740068

740067
740064

GL-CHL-SR-001 Rev 8

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

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):

<u>Laboratory ID</u>	<u>Client ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
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

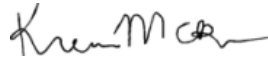
Not Applicable

Analysis Methods and Analysis Dates

<u>Method</u>	<u>Run Date ID</u>
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,

A handwritten signature in black ink, appearing to read "Kierra McKnight".

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:

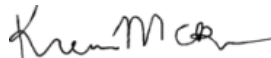
- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

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

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-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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	1.49	+/-1.16	1.82	+/-1.23	3.00	pCi/L			JE1	08/29/25	1023	2851677	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
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														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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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

Project: GPCC01924

Sample ID: 739492003

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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	1.03	+/-1.28	2.18	+/-1.32	3.00	pCi/L			JE1	08/29/25	1020	2851677	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
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														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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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-2

Project: GPCC01924

Sample ID: 739492004

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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228		3.57	+/-1.64	2.26	+/-1.92	3.00	pCi/L			JE1	08/29/25	1027	2851677	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
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														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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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-3

Project: GPCC01924

Sample ID: 739492005

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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	1.12	+/-1.61	2.77	+/-1.64	3.00	pCi/L			JE1	08/29/25	1152	2851677	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
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														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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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-4

Project: GPCC01924

Sample ID: 739492006

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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228		3.34	+/-1.57	2.08	+/-1.83	3.00	pCi/L			JE1	08/29/25	1024	2851677	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
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														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1PZ-5

Project: GPCC01924

Sample ID: 739492007

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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228		4.08	+/-1.56	2.04	+/-1.94	3.00	pCi/L			JE1	08/29/25	1027	2851677	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
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														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1PZ-7

Project: GPCC01924

Sample ID: 739492008

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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	0.762	+/-1.23	2.14	+/-1.25	3.00	pCi/L			JE1	08/29/25	1027	2851677	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
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														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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Report Date: September 18, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog:

Client Sample ID: ARK-AP1PZ-8

Project: GPCC01924

Sample ID: 739492009

Client ID: GPCC003

Matrix: WG

Collect Date: 19-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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228		3.93	+/-1.57	2.20	+/-1.91	3.00	pCi/L			JE1	08/29/25	1020	2851677	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
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														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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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

Project: GPCC01924

Sample ID: 739492010

Client ID: GPCC003

Matrix: WG

Collect Date: 19-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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	1.83	+/-1.35	2.14	+/-1.44	3.00	pCi/L			JE1	08/29/25	1027	2851677	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
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														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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

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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

Project: GPCC01924

Sample ID: 739492012

Client ID: GPCC003

Matrix: WQ

Collect Date: 19-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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228		3.47	+/-1.51	1.93	+/-1.81	3.00	pCi/L			JE1	08/29/25	1027	2851677	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
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														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
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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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-EB-02

Project: GPCC01924

Sample ID: 739492013

Client ID: GPCC003

Matrix: WQ

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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228		1.77	+/-1.18	1.77	+/-1.28	3.00	pCi/L			JE1	08/29/25	1024	2851677	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
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														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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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

Project: GPCC01924

Sample ID: 739492014

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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	1.05	+/-1.40	2.39	+/-1.43	3.00	pCi/L			JE1	08/29/25	1028	2851677	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
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														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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-AP1-FD-02

Project: GPCC01924

Sample ID: 739492015

Client ID: GPCC003

Matrix: WG

Collect Date: 19-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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228		2.54	+/-1.60	2.48	+/-1.75	3.00	pCi/L			JE1	08/29/25	1024	2851677	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
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														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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-AP1-FB-01

Project: GPCC01924

Sample ID: 739492016

Client ID: GPCC003

Matrix: WQ

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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	2.06	+/-1.46	2.29	+/-1.58	3.00	pCi/L			JE1	08/29/25	1027	2851677	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
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														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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-AP1-FB-02

Project: GPCC01924

Sample ID: 739492017

Client ID: GPCC003

Matrix: WQ

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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	0.921	+/-1.19	2.03	+/-1.22	3.00	pCi/L			JE1	08/29/25	1024	2851677	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
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														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

**Radiochemistry
Technical Case Narrative
Georgia Power Company
SDG #: 739492**

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).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
739492001	ARK-APIGWA-1
739492002	ARK-APIGWA-2
739492003	ARK-APIPZ-1
739492004	ARK-APIPZ-2
739492005	ARK-APIPZ-3
739492006	ARK-APIPZ-4
739492007	ARK-APIPZ-5
739492008	ARK-APIPZ-7
739492009	ARK-APIPZ-8
739492010	ARK-APIPZ-10
739492011	ARK-APIPZ-11
739492012	ARK-API-EB-01
739492013	ARK-API-EB-02
739492014	ARK-API-FD-01
739492015	ARK-API-FD-02
739492016	ARK-API-FB-01
739492017	ARK-API-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).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
739492001	ARK-APIGWA-1
739492002	ARK-APIGWA-2
739492003	ARK-APIPZ-1
739492004	ARK-APIPZ-2
739492005	ARK-APIPZ-3

739492006	ARK-APIPZ-4
739492007	ARK-APIPZ-5
739492008	ARK-APIPZ-7
739492009	ARK-APIPZ-8
739492010	ARK-APIPZ-10
739492011	ARK-APIPZ-11
739492012	ARK-API-EB-01
739492013	ARK-API-EB-02
739492014	ARK-API-FD-01
739492015	ARK-API-FD-02
739492016	ARK-API-FB-01
739492017	ARK-API-FB-02
1206211138	Method Blank (MB)
1206211139	739492001(ARK-APIGWA-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-APIPZ-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).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
739492001	ARK-APIGWA-1
739492002	ARK-APIGWA-2
739492003	ARK-APIPZ-1
739492004	ARK-APIPZ-2
739492005	ARK-APIPZ-3
739492006	ARK-APIPZ-4
739492007	ARK-APIPZ-5
739492008	ARK-APIPZ-7
739492009	ARK-APIPZ-8
739492010	ARK-APIPZ-10
739492011	ARK-APIPZ-11
739492012	ARK-API-EB-01
739492013	ARK-API-EB-02
739492014	ARK-API-FD-01

739492015	ARK-API-FD-02
739492016	ARK-API-FB-01
739492017	ARK-API-FB-02
1206219497	Method Blank (MB)
1206219498	739492001(ARK-APIGWA-1) Sample Duplicate (DUP)
1206219499	739492001(ARK-APIGWA-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-APIGWA-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.

GEL LABORATORIES LLC

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

QC Summary

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

Report Date: September 18, 2025
Page 1 of 2

Contact: Atlanta, Georgia
Joju Abraham
Workorder: 739492

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	08/29/25	10:23
		Uncert:		+/-1.47							
		TPU:		+/-1.53							
QC1206211140	LCS										
Radium-228	78.7			97.2	pCi/L		123	(75%-125%)	JE1	08/29/25	11:52
		Uncert:		+/-6.05							
		TPU:		+/-27.9							
QC1206211138	MB										
Radium-228			U	1.73	pCi/L				JE1	08/29/25	11:52
		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	09/18/25	11:25
		Uncert:		+/-0.607							
		TPU:		+/-0.697							
QC1206219500	LCS										
Radium-226	27.0			27.8	pCi/L		103	(75%-125%)	AW6	09/18/25	11:25
		Uncert:		+/-2.05							
		TPU:		+/-5.69							
QC1206219497	MB										
Radium-226			U	0.117	pCi/L				AW6	09/18/25	11:25
		Uncert:		+/-0.253							
		TPU:		+/-0.254							
QC1206219499	739492001	MS									
Radium-226	136	1.07		105	pCi/L		76.3	(75%-125%)	AW6	09/18/25	11:25
		Uncert:		+/-8.94							
		TPU:		+/-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

GEL LABORATORIES LLC

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

QC Summary

Workorder: 739492

Page 2 of 2

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 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.

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.

Project # <u>1/2269434</u>		LABORATORIES LLC Chemistry Radiochemistry Radiobiology Specialty Analytics		2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178	
GEL Quote #:		Chain of Custody and Analytical Request			
COC Number ⁽¹⁾ : <u>1</u> Sample Cooler(s) <u>6</u>		GEL Work Order Number:		GEL Project Manager: <u>Alaina Pinnick</u>	
PO Number: GPC82177-0005					
Client Name: Georgia Power		Phone # (937-344-6533)		Sample Analysis Requested ⁽⁵⁾ (Fill in the number of containers for each test)	
Project/Site Name: Plant Arkwright Ash Pond 1		Fax: N/A		Should this sample be considered: (If yes, please supply isotopic info.) (7) Known or possible Hazards Total number of containers: *Metals (6020B) **Metals (6020B) Alkalinity (300.0 R2.1) see Additional Remarks TDS (SM Method 2540C) Anions (Cl, F, Sulfate) (300.0 Rev. 2.1 1993) RAD 226-228 Cmbd Mercury (7470B) Fe2+/Mn2+ (6020B) Field Filtered Preservative Type (6)	
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 ID	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code ⁽²⁾	Field Filtered ⁽³⁾	Sample Matrix ⁽⁴⁾
*For composites - indicate start and stop date/time					
ARK-APIPZ-10	08-19-25	0940	N	N	WG
ARK-APIPZ-11	08-19-25	1155	N	N	WG
ARK-API-EB-01	08-19-25	1230	EB	N	WQ
ARK-API-EB-02	08-18-25	1630	EB	N	WQ
ARK-API-FD-01	08-18-25	NA	FD	N	WG
ARK-API-FD-02	08-19-25	NA	FD	N	WG
ARK-API-FB-01	08-18-25	1345	FB	N	WQ
ARK-API-FB-02	08-18-25	1510	FB	N	WQ
Chain of Custody Signatures					
Relinquished By (Signed) Print Name Date			Received by (signed) Print Name Date		
1 <u>Jackson Bankston</u> <u>Stantec</u> <u>8/21/25</u>			1 <u>Solomon Rowe</u> <u>8/21/25</u>		
2 <u>10920</u>			2 <u>10920</u>		
3 <u>1400</u>			3 <u>1415</u>		
Fax Results: ☐ Yes ☒ No			Select Deliverable: ☐ C of A ☐ QC Summary ☐ Level 1 ☒ 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: <u>0</u> °C		
> For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)			Sample Collection Time Zone: ☒ 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		Listed Waste LW= Listed Waste (F,K,P and U-listed wastes.) Waste code(s):	
		TSCA Regulated PCB = Polychlorinated biphenyls		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.)					

739488
739492

Project # <u>1/2569434</u>		LABORATORIES LLC gel.com Chemistry Radiochemistry Radiobioassay Specialty Analytics		2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178																															
GEL Quote #:		Chain of Custody and Analytical Request																																	
COC Number ⁽¹⁾ : <u>1</u> Sample Cooler(s) <u>6</u>		GEL Work Order Number:		GEL Project Manager: <u>Alaina Pinnick</u>																															
PO Number: GPC82177-0005		Client Name: Georgia Power		Phone # (937-344-6533)																															
Project/Site Name: Plant Arkwright Ash Pond 1		Fax: N/A		Sample Analysis Requested ⁽⁵⁾ (Fill in the number of containers for each test)																															
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308		Should this sample be considered: (If yes, please supply isotopic info.) (7) Known or possible Hazards		<-- Preservative Type (6)																															
Collected By: Jacob Ashe, Jackson Bankston, Max Moore Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com				Comments (task code: ARK-CCR-ASSMT-2025S2)																															
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⁾																														
ARK-APIGWA-1	08-18-25	1305	N	N	WG																														
ARK-APIGWA-2	08-18-25	1335	N	N	WG																														
ARK-APIPZ-1	08-18-25	1450	N	N	WG																														
ARK-APIPZ-2	08-18-25	1548	N	N	WG																														
ARK-APIPZ-3	08-18-25	1620	N	N	WG																														
ARK-APIPZ-4	08-18-25	1710	N	N	WG																														
ARK-APIPZ-5	08-18-25	1330	N	N	WG																														
ARK-APIPZ-7	08-18-25	1545	N	N	WG																														
ARK-APIPZ-8	08-19-25	1005	N	N	WG																														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="3" style="text-align: center;">Chain of Custody Signatures</td> <td colspan="3" style="text-align: center;">TAT Requested: Normal: <u>X</u> Rush: _____ Specify: _____ (Subject to Surcharge)</td> </tr> <tr> <td>Relinquished By (Signed)</td> <td>Print Name</td> <td>Date</td> <td>Received by (signed)</td> <td>Print Name</td> <td>Date</td> </tr> <tr> <td>1 <u>Jackson Bankston</u></td> <td>Stantec</td> <td>8/21/25</td> <td><u>Jackson Bankston</u></td> <td>Stantec</td> <td>8/21/25</td> </tr> <tr> <td>2 <u>10920</u></td> <td></td> <td></td> <td>2 <u>10920</u></td> <td></td> <td></td> </tr> <tr> <td>3 <u>1415</u></td> <td></td> <td></td> <td>3 <u>1415</u></td> <td></td> <td></td> </tr> </table>						Chain of Custody Signatures			TAT Requested: Normal: <u>X</u> Rush: _____ Specify: _____ (Subject to Surcharge)			Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date	1 <u>Jackson Bankston</u>	Stantec	8/21/25	<u>Jackson Bankston</u>	Stantec	8/21/25	2 <u>10920</u>			2 <u>10920</u>			3 <u>1415</u>			3 <u>1415</u>		
Chain of Custody Signatures			TAT Requested: Normal: <u>X</u> Rush: _____ Specify: _____ (Subject to Surcharge)																																
Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date																														
1 <u>Jackson Bankston</u>	Stantec	8/21/25	<u>Jackson Bankston</u>	Stantec	8/21/25																														
2 <u>10920</u>			2 <u>10920</u>																																
3 <u>1415</u>			3 <u>1415</u>																																
Fax Results: ☐ Yes ☒ No			Select Deliverable: ☐ C of A ☐ QC Summary ☐ level 1 ☒ Level 2 ☐ Level 3 ☐ Level 4																																
Additional Remarks: Alkalinity: bicarbonate as CaCO ₃ , carbonate as CaCO ₃ , total as CaCO ₃			For Lab Receiving Use Only: Custody Seal Intact? ☐ Yes ☐ No Cooler Temp: <u>0-1</u> °C																																
> For sample shipping and delivery details, see Sample Receipt & Review form (SRR)			Sample Collection Time Zone: ☒ 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.)



Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

738496 739498 738499

Client: GPCC

SDG/AR/COC/Work Order: 739488 739492 739494 739495

GEL PMI: 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?

Yes

No

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?

Yes

No

COC notation on radioactive stickers on containers equal client designation

C) Did the RSO classify the samples as radioactive?

Yes

No

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?

Yes

No

If yes, select Hazards below.

PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:

E) Was a SDS received and reviewed by Lab Safety?

Yes

No

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?

Yes

NA

Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)

2 Chain of custody documents included with shipment?

Yes

NA

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)?

Yes

NA

Preservation Method: Wet Ice Ice Packs Dry Ice None Other:

*all temperatures recorded next to tracking numbers are in Celsius

4 Sample containers intact and sealed?

Yes

NA

Circle Applicable: Seals broken Damaged container Leaking container Other (describe)

5 Samples requiring chemical preservation at proper pH?

Yes

NA

Preserved per COC request or list Sample IDs and Containers Affected:

10:739492 ARK-API-F001

(If Preservation added, List):

6 Do any samples require Volatile Analysis?

Yes

No

If Yes, are Encores or Soil Kits present? Yes No (If yes, take to VOA Freezer)

(If yes, answer all three additional questions.)

Yes

No

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?

Yes

NA

IDs and tests affected:

8 Sample IDs on COC match IDs on bottles?

Yes

NA

IDs and containers affected:

9 Date & time on COC match date & time on bottles?

Yes

NA

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?

Yes

NA

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?

Yes

NA

12 COC form is properly signed in relinquished/received sections?

Yes

NA

Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials HH

Date

8/22/25

Continuation Form Required when selected



SAMPLE RECEIPT & REVIEW CONTINUATION FORM

Client: GPCC Received By: KE Date Received: 8-21-25 SDG/AR/COC/Work Order:

[illegible]

PM (or PMA) review: Initials _____ Date _____ Page _____ of _____

[illegible]

Project # <u>1/2509434</u>		LABORATORIES LLC Chemistry Radiochemistry Radiobiology Specialty Analytics		2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178	
GEL Quote #:		Chain of Custody and Analytical Request			
COC Number ⁽¹⁾ : <u>1</u> Sample Cooler(s) <u>6</u>		GEL Work Order Number:		GEL Project Manager: Alaina Pinnick	
PO Number: GPC82177-0005					
Client Name: Georgia Power		Phone # (937-344-6533)		Sample Analysis Requested ⁽⁵⁾ (Fill in the number of containers for each test)	
Project/Site Name: Plant Arkwright Ash Pond 1		Fax: N/A		Should this sample be considered:	
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308				← Preservative Type (6)	
Collected By: Jacob Ashe, Jackson Bankston, Max Moore		Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com		Comments (task_code: ARK-CCR-ASSMT-2025S2)	
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⁾
ARK-APIGWA-1	08-18-25	1305	N	N	WG
ARK-APIGWA-2	08-18-25	1335	N	N	WG
ARK-APIPZ-1	08-18-25	1450	N	N	WG
ARK-APIPZ-2	08-18-25	1548	N	N	WG
ARK-APIPZ-3	08-18-25	1620	N	N	WG
ARK-APIPZ-4	08-18-25	1710	N	N	WG
ARK-APIPZ-5	08-18-25	1330	N	N	WG
ARK-APIPZ-7	08-18-25	1545	N	N	WG
ARK-APIPZ-8	08-19-25	1005	N	N	WG
Chain of Custody Signatures					
Relinquished By (Signed) <u>Jackson Bankston</u> Print Name <u>Jackson Bankston</u> Date <u>8/21/25</u>			Received by (signed) <u>Alaina Pinnick</u> Print Name <u>Alaina Pinnick</u> Date <u>8/21/25</u>		
Fax Results: ☐ Yes ☒ No			TAT Requested: Normal: ☒ Rush: ☐ Specify: ☐ (Subject to Surcharge)		
1 <u>Jackson Bankston</u> <u>8/21/25</u> <u>10920</u>			Select Deliverable: ☐ C of A ☐ QC Summary ☐ Level 1 ☒ Level 2 ☐ Level 3 ☐ Level 4		
2 <u>Jackson Bankston</u> <u>8/21/25</u> <u>10920</u>			Additional Remarks: Alkalinity: bicarbonate as CaCO ₃ , carbonate as CaCO ₃ , total as CaCO ₃		
3 <u>Jackson Bankston</u> <u>8/21/25</u> <u>1415</u>			For Lab Receiving Use Only: Custody Seal Intact? ☐ Yes ☐ No Cooler Temp: <u>0-1</u> °C		
> For sample shipping and delivery details, see Sample Receipt & Review form (SRR)			Sample Collection Time Zone: ☒ 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		Characteristic Hazards		Listed Waste	
RCRA Metals As = Arsenic Hg= Mercury Ba = Barium Se= Selenium Cd = Cadmium Ag= Silver Cr = Chromium MR= Misc. RCRA metals Pb = Lead		FL = Flammable/Ignitable CO = Corrosive RE = Reactive TSCA Regulated PCB = Polychlorinated biphenyls		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.)					



Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

738496 739498 738499

Client: **GPCC** SDG/AR/COC/Work Order: **739488 739492 739494 739495** GEL PNI: **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?

Yes

No

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?

Yes

No

COC notation on radioactive stickers on containers equal client designation

C) Did the RSO classify the samples as radioactive?

Yes

No

Maximum Net Counts Observed* (Observed Counts - Area Background Counts):

Classified as: Rad 1 Rad 2 Rad 3

0 CPM/mR/Hr

If yes, select Hazards below.

D) Are there any sample hazards to document?

Yes

No

PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:

E) Was a SDS received and reviewed by Lab Safety?

Yes

No

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?

Yes

NA

No

Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)

2 Chain of custody documents included with shipment?

Yes

NA

No

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)?

Yes

NA

No

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?

Yes

NA

No

Circle Applicable: Seals broken Damaged container Leaking container Other (describe)

5 Samples requiring chemical preservation at proper pH?

Yes

NA

No

Preserved per COC request or list Sample IDs and Containers Affected:

If Preservation added, Lot#:

10:73442 ARK-API-FOO17

6 Do any samples require Volatile Analysis?

Yes

NA

No

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?

Yes

NA

No

IDs and tests affected:

8 Sample IDs on COC match IDs on bottles?

Yes

NA

No

IDs and containers affected:

9 Date & time on COC match date & time on bottles?

Yes

NA

No

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?

Yes

NA

No

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?

Yes

NA

No

12 COC form is properly signed in relinquished/received sections?

Yes

NA

No

Circle Applicable: Not relinquished Other (describe)

Comments:

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

Continuation Form Required when selected



Client: GPCC Received By: KE Date Received: 8-21-25 SDG/AR/COC/Work Order: _____

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

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):

<u>Laboratory ID</u>	<u>Client ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
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

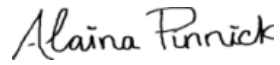
Analysis Methods and Analysis Dates

<u>Method</u>	<u>Run Date ID</u>
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,

A handwritten signature in black ink that reads "Alaina Pinnick". The script is cursive and fluid, with the first name "Alaina" and last name "Pinnick" clearly distinguishable.

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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	-0.785	+/-1.45	2.84	+/-1.45	3.00	pCi/L			CH7	09/09/25	1131	2854193	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
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														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

**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#

740068001

Client Sample Identification

ARK-APIPZ-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#

740068001

1206215999

1206216000

1206216001

Client Sample Identification

ARK-APIPZ-9

Method Blank (MB)

740065001(ARK-ARGWA-14) Sample Duplicate (DUP)

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-APIPZ-9) was non-homogenous matrix.

Sample 740068001 (ARK-APIPZ-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).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
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.

GEL LABORATORIES LLC

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

QC Summary

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

Report Date: September 24, 2025
Page 1 of 2

Atlanta, Georgia
Contact: Joju Abraham
Workorder: 740068

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
		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

GEL LABORATORIES LLC

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

QC Summary

Workorder: 740068

Page 2 of 2

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 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.

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.

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

Sample Receipt Acknowledgement

SDG/Report#	739492	Client	Georgia Power Company
Project ID	Arkwright CCR Groundwater Compliance Relog:		
PO Number	GPC82177-0005	Report To	Joju Abraham Georgia Power Company, Southern Company 241 Ralph McGill Blvd NE, Bin 10160 Atlanta, Georgia 30308
Project Manager	Alaina Pinnick		
Receive Date	21-AUG-25 14:15		
Prelim. Due			
Report Due	19-SEP-2025		
EDD Required	Y	Invoice To	Southern Accounts Payable - GPC Georgia Power, Southern Company PO Box 830961
EDD Name	EFWEDD_FSample_GPCC_RAD_R5		
Chain of Custody			
Turn Days	20(Working)		Birmingham, Alabama 35283

GEL ID	Sample ID	Matrix	Collection Date	Analysis Requested, Rpt. Basis, (due date, if applicable)	Cmnts
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	ARK-AP1-EB-01	WQ	19-AUG-25 12:30	RAD 226-228 Cmbd, Wet	6
Field Blank					
739492013	ARK-AP1-EB-02	WQ	18-AUG-25 16:30	RAD 226-228 Cmbd, Wet	6
Field Blank					
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	ARK-AP1-FB-01	WQ	18-AUG-25 13:45	RAD 226-228 Cmbd, Wet	6
Field Blank					
739492017	ARK-AP1-FB-02	WQ	18-AUG-25 15:10	RAD 226-228 Cmbd, Wet	6
Field Blank					

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

[illegible]

Project # <u>1/2569434</u>		LABORATORIES LLC gel.com Chemistry Radiochemistry Radiobioassay Specialty Analytics		2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178																									
GEL Quote #:		Chain of Custody and Analytical Request																											
COC Number ⁽¹⁾ : <u>1</u> Sample Cooler(s) <u>6</u>		GEL Work Order Number:		GEL Project Manager: <u>Alaina Pinnick</u>																									
PO Number: GPC82177-0005		Client Name: Georgia Power		Phone # (937-344-6533)																									
Project/Site Name: Plant Arkwright Ash Pond 1		Fax: N/A		Sample Analysis Requested ⁽⁵⁾ (Fill in the number of containers for each test)																									
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308		Should this sample be considered: (If yes, please supply isotopic info.) (7) Known or possible Hazards		<-- Preservative Type (6)																									
Collected By: Jacob Ashe, Jackson Bankston, Max Moore Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com				Comments (task code: ARK-CCR-ASSMT-2025S2)																									
Sample ID <i>* For composites - indicate start and stop date/time</i>	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code ⁽²⁾	Field Filtered ⁽³⁾	Sample Matrix ⁽⁴⁾																								
ARK-APIGWA-1	08-18-25	1305	N	N	WG																								
ARK-APIGWA-2	08-18-25	1335	N	N	WG																								
ARK-APIPZ-1	08-18-25	1450	N	N	WG																								
ARK-APIPZ-2	08-18-25	1548	N	N	WG																								
ARK-APIPZ-3	08-18-25	1620	N	N	WG																								
ARK-APIPZ-4	08-18-25	1710	N	N	WG																								
ARK-APIPZ-5	08-18-25	1330	N	N	WG																								
ARK-APIPZ-7	08-18-25	1545	N	N	WG																								
ARK-APIPZ-8	08-19-25	1005	N	N	WG																								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="3" style="text-align: center;">Chain of Custody Signatures</td> <td colspan="3" style="text-align: center;">TAT Requested: Normal: <u>X</u> Rush: _____ Specify: _____ (Subject to Surcharge)</td> </tr> <tr> <td>Relinquished By (Signed)</td> <td>Print Name</td> <td>Date</td> <td>Received by (signed)</td> <td>Print Name</td> <td>Date</td> </tr> <tr> <td>1 <u>Jackson Bankston</u></td> <td>Stantec</td> <td>8/21/25</td> <td>2 <u>Jacob Ashe</u></td> <td>Stantec</td> <td>8/21/25</td> </tr> <tr> <td>2 <u>10920</u></td> <td></td> <td></td> <td>3 <u>1415</u></td> <td></td> <td></td> </tr> </table>						Chain of Custody Signatures			TAT Requested: Normal: <u>X</u> Rush: _____ Specify: _____ (Subject to Surcharge)			Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date	1 <u>Jackson Bankston</u>	Stantec	8/21/25	2 <u>Jacob Ashe</u>	Stantec	8/21/25	2 <u>10920</u>			3 <u>1415</u>		
Chain of Custody Signatures			TAT Requested: Normal: <u>X</u> Rush: _____ Specify: _____ (Subject to Surcharge)																										
Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date																								
1 <u>Jackson Bankston</u>	Stantec	8/21/25	2 <u>Jacob Ashe</u>	Stantec	8/21/25																								
2 <u>10920</u>			3 <u>1415</u>																										
Fax Results: ☐ Yes ☒ No			Select Deliverable: ☐ C of A ☐ QC Summary ☐ level 1 ☒ Level 2 ☐ Level 3 ☐ Level 4																										
Additional Remarks: Alkalinity: bicarbonate as CaCO ₃ , carbonate as CaCO ₃ , total as CaCO ₃			For Lab Receiving Use Only: Custody Seal Intact? ☐ Yes ☐ No Cooler Temp: <u>0-1</u> °C																										
> For sample shipping and delivery details, see Sample Receipt & Review form (SRR)			Sample Collection Time Zone: ☒ 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:
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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.)



Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

738496 739498 738499

Client: GPCC

SDG/AR/COC/Work Order: 739488 739492 739494 739495

GEL PMI: 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?

Yes

No

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?

Yes

No

COC notation on radioactive stickers on containers equal client designation

C) Did the RSO classify the samples as radioactive?

Yes

No

Maximum Net Counts Observed* (Observed Counts - Area Background Counts):

Classified as: Rad 1 Rad 2 Rad 3

0 CPM/mR/Hr

D) Are there any sample hazards to document?

Yes

No

If yes, select Hazards below.

PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:

E) Was a SDS received and reviewed by Lab Safety?

Yes

No

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?

Yes

NA

No

Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)

2 Chain of custody documents included with shipment?

Yes

NA

No

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)?

Yes

NA

No

Preservation Method: Wet Ice Ice Packs Dry Ice None Other:

*all temperatures recorded next to tracking numbers are in Celsius

4 Sample containers intact and sealed?

Yes

NA

No

Circle Applicable: Seals broken Damaged container Leaking container Other (describe)

5 Samples requiring chemical preservation at proper pH?

Yes

NA

No

Preserved per COC request or list Sample IDs and Containers Affected:

10:739496[ARK-API-F001]

(If Preservation added, List):

6 Do any samples require Volatile Analysis?

Yes

NA

No

If Yes, are Encores or Soil Kits present? Yes No (If yes, take to VOA Freezer)

(If yes, answer all three additional questions.)

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?

Yes

NA

No

IDs and tests affected:

8 Sample IDs on COC match IDs on bottles?

Yes

NA

No

IDs and containers affected:

9 Date & time on COC match date & time on bottles?

Yes

NA

No

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?

Yes

NA

No

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?

Yes

NA

No

12 COC form is properly signed in relinquished/received sections?

Yes

NA

No

Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials HH

Date

8/22/25

Continuation Form Required when selected



Client: GPCC Received By: KE Date Received: 8-21-25 SDG/AR/COC/Work Order:

PM (or PMA) review: Initials _____ Date _____ Page _____ of _____

Project # 1/2269434						GEL Quote #: _____																							
COC Number (1): 1 Sample Cooler(s) 6						PO Number: GPC82177-0005																							
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 ID *For composites - indicate start and stop date/time						*Date Collected (mm-dd-yy)	*Time Collected (Military) (hh:mm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Radioactive (if yes, please supply isotopic info.)	(7) Known or possible Hazards	Total number of containers	*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, F, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Combd	Mercury (7470B)	Fe+Mn+Zn+ (6020B) Field Filtered	Preservative Type (6)	Comments (task_code: ARK-CCR-ASSMT-2025S2)						
ARK-APIPZ-10						08-19-25	0940	N	N	WG			6	X		X	X	X	X										
ARK-APIPZ-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, Ti						
ARK-API-EB-01						08-19-25	1230	EB	N	WQ			6	X		X	X	X	X										
ARK-API-EB-02						08-18-25	1630	EB	N	WQ			6	X		X	X	X	X										
ARK-API-FD-01						08-18-25	NA	FD	N	WG			6	X		X	X	X	X				**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Ti						
ARK-API-FD-02						08-19-25	NA	FD	N	WG			6	X		X	X	X	X										
ARK-API-FB-01						08-18-25	1345	FB	N	WQ			6	X		X	X	X	X										
ARK-API-FB-02						08-18-25	1510	FB	N	WQ			6	X		X	X	X	X										
Chain of Custody Signatures												TAT Requested: Normal: X Rush: Specify: (Subject to Surcharge)																	
Relinquished By (Signed)			Print Name			Date			Received by (signed)			Print Name			Date			Fax Results: [] Yes [X] No											
1 Jackson Bankston			Stantec			8/21/25			1 Solomon Rowe			8/21/25			10920			Select Deliverable: [] C of A [] QC Summary [] Level 1 [X] Level 2 [] Level 3 [] Level 4											
2						/0920			2						10920			Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3											
3									3 Kathy Erickson			8/21/25			1415			For Lab Receiving Use Only: Custody Seal Intact? [] Yes [] No Cooler Temp: 0 °C											
> For sample shipping and delivery details, see Sample Receipt & Review form (SRK).												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						Characteristic Hazards						Listed Waste						Other						Please provide any additional details below regarding handling and/or disposal concerns.					
RCRA Metals						FL = Flammable/Ignitable						LW= Listed Waste						OT= Other / Unknown						(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)					
As = Arsenic Hg= Mercury						CO = Corrosive						(F,K,P and U-listed wastes.)						(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)						(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)					
Ba = Barium Se= Selenium						RE = Reactive						Waste code(s):						Description:											
Cd = Cadmium Ag= Silver						TSCA Regulated																							
Cr = Chromium MR= Misc. RCRA metals						PCB = Polychlorinated biphenyls																							
Pb = Lead																													

Project # <u>1/2509434</u>		LABORATORIES LLC Chemistry Radiochemistry Radiobiology Specialty Analytics		2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178																																																							
GEL Quote #:		Chain of Custody and Analytical Request																																																									
COC Number ⁽¹⁾ : <u>1</u> Sample Cooler(s) <u>6</u>		GEL Work Order Number:		GEL Project Manager: <u>Alaina Pinnick</u>																																																							
PO Number: GPC82177-0005																																																											
Client Name: Georgia Power		Phone # (937-344-6533)		Sample Analysis Requested ⁽⁵⁾ (Fill in the number of containers for each test)																																																							
Project/Site Name: Plant Arkwright Ash Pond 1		Fax: N/A		Should this sample be considered:																																																							
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308				← Preservative Type (6)																																																							
Collected By: Jacob Ashe, Jackson Bankston, Max Moore		Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com		Comments (task_code: ARK-CCR-ASSMT-2025S2)																																																							
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⁾																																																						
ARK-APIGWA-1	08-18-25	1305	N	N	WG																																																						
ARK-APIGWA-2	08-18-25	1335	N	N	WG																																																						
ARK-APIPZ-1	08-18-25	1450	N	N	WG																																																						
ARK-APIPZ-2	08-18-25	1548	N	N	WG																																																						
ARK-APIPZ-3	08-18-25	1620	N	N	WG																																																						
ARK-APIPZ-4	08-18-25	1710	N	N	WG																																																						
ARK-APIPZ-5	08-18-25	1330	N	N	WG																																																						
ARK-APIPZ-7	08-18-25	1545	N	N	WG																																																						
ARK-APIPZ-8	08-19-25	1005	N	N	WG																																																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="3" style="text-align: center;">Chain of Custody Signatures</td> <td colspan="3" style="text-align: center;">TAT Requested: Normal: <u>X</u> Rush: _____ Specify: _____ (Subject to Surcharge)</td> </tr> <tr> <td>Relinquished By (Signed)</td> <td>Print Name</td> <td>Date</td> <td>Received by (signed)</td> <td>Print Name</td> <td>Date</td> </tr> <tr> <td><u>Jackson Bankston</u></td> <td><u>Stantec</u></td> <td><u>8/21/25</u></td> <td><u>Jackson Bankston</u></td> <td><u>Stantec</u></td> <td><u>8/21/25</u></td> </tr> <tr> <td></td> <td></td> <td><u>10920</u></td> <td></td> <td></td> <td><u>10920</u></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">Fax Results: ☐ Yes ☒ No</td> <td colspan="3">Select Deliverable: ☐ C of A ☐ QC Summary ☐ Level 1 ☒ Level 2 ☐ Level 3 ☐ Level 4</td> </tr> <tr> <td colspan="3">Additional Remarks:</td> <td colspan="3">Alkalinity: bicarbonate as CaCO₃, carbonate as CaCO₃, total as CaCO₃</td> </tr> <tr> <td colspan="3">For Lab Receiving Use Only: Custody Seal Intact? ☐ Yes ☐ No</td> <td colspan="3">Cooler Temp: <u>0-1</u> °C</td> </tr> <tr> <td colspan="3">Sample Collection Time Zone: ☒ Eastern ☐ Pacific ☐ Central ☐ Mountain ☐ Other:</td> <td colspan="3"></td> </tr> </table>						Chain of Custody Signatures			TAT Requested: Normal: <u>X</u> Rush: _____ Specify: _____ (Subject to Surcharge)			Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date	<u>Jackson Bankston</u>	<u>Stantec</u>	<u>8/21/25</u>	<u>Jackson Bankston</u>	<u>Stantec</u>	<u>8/21/25</u>			<u>10920</u>			<u>10920</u>							Fax Results: ☐ Yes ☒ No			Select Deliverable: ☐ C of A ☐ QC Summary ☐ Level 1 ☒ Level 2 ☐ Level 3 ☐ Level 4			Additional Remarks:			Alkalinity: bicarbonate as CaCO ₃ , carbonate as CaCO ₃ , total as CaCO ₃			For Lab Receiving Use Only: Custody Seal Intact? ☐ Yes ☐ No			Cooler Temp: <u>0-1</u> °C			Sample Collection Time Zone: ☒ Eastern ☐ Pacific ☐ Central ☐ Mountain ☐ Other:					
Chain of Custody Signatures			TAT Requested: Normal: <u>X</u> Rush: _____ Specify: _____ (Subject to Surcharge)																																																								
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Sample Collection Time Zone: ☒ 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:
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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.)



Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

738496 739498 738499

Client: GPCC		SDG/AR/COC/Work Order: 739488 739492 739494 739495		GEL PNI: 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 radchem only).	Tracking Number	
Cooler #1		0°		Cooler #6	
Cooler #2		0°		Cooler #7	
Cooler #3		0°		Cooler #8	
Cooler #4		0°		Cooler #9	
Cooler #5		0°		Cooler #10	
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 on 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-F0017 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					



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

Sample Receipt Acknowledgement

SDG/Report#	740068	Client	Georgia Power Company
Project ID	Arkwright CCR Groundwater Compliance Relog: radiochem		
PO Number	GPC82177-0005	Report To	Joju Abraham Georgia Power Company, Southern Company 241 Ralph McGill Blvd NE, Bin 10160 Atlanta, Georgia 30308
Project Manager	Alaina Pinnick		
Receive Date	26-AUG-25 15:15		
Prelim. Due			
Report Due	24-SEP-2025		
EDD Required	Y	Invoice To	Southern Accounts Payable - GPC Georgia Power, Southern Company PO Box 830961
EDD Name	EFWEDD_FSample_GPCC_RAD_R5		
Chain of Custody			
Turn Days	20(Working)		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

[illegible]

SAMPLE RECEIPT & REVIEW FORM

Client: GPEC		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 <u>Other</u>		IR Temp gun # IR1-23 Daily Calibration Performed? <u>N</u>		
Tracking Number <u>4480 4455 1801</u> <u>4480 4455 1569</u> <u>4480 4455 1731</u>		Temp (C) <u>5</u> <u>4</u> <u>2</u>	If over 6 °C, check if samples do not require cold preservation (ie radionuclides only).	Tracking Number
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#:	
B) Did the client designate the samples as to be received as radioactive?			If UN2910, Is the Radioactive Shipment Survey Compliant? Yes ___ No ___	
C) Did the RSO classify the samples as radioactive?			Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 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 Celsius	
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 GBL provided by use of GBL labels?				
12 COC form is properly signed in relinquished/received sections?			Circle Applicable: Not relinquished Other (describe)	
Comments:				
PM (or PMA) review: Initials <u>KM</u> Date <u>8/27/25</u>				
☐ Continuation Form Required when selected				

February 17, 2026

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

Re: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 1 and
Work Orders: 762489 and 762751

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 03, 2026 and February 04, 2026. 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):

<u>Laboratory ID</u>	<u>Client ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
762489001	ARK-AP1GWA-1	Water	02/02/26 14:00	02/03/26 13:30
762489002	ARK-AP1GWA-2	Water	02/02/26 15:05	02/03/26 13:30
762489003	ARK-AP1GWC-6	Water	02/02/26 15:15	02/03/26 13:30
762489004	ARK-AP1GWC-7	Water	02/02/26 14:55	02/03/26 13:30
762489005	ARK-AP1GWC-8	Water	02/02/26 16:10	02/03/26 13:30
762489006	ARK-AP1PZ-1	Water	02/02/26 16:30	02/03/26 13:30
762489007	ARK-AP1PZ-2	Water	02/02/26 18:10	02/03/26 13:30
762489008	ARK-AP1PZ-3	Water	02/02/26 17:35	02/03/26 13:30
762489009	ARK-AP1PZ-4	Water	02/02/26 17:05	02/03/26 13:30
762489010	ARK-AP1PZ-5	Water	02/02/26 14:30	02/03/26 13:30
762489011	ARK-AP1PZ-7	Water	02/02/26 18:18	02/03/26 13:30
762489012	ARK-AP1PZ-9	Water	02/02/26 16:00	02/03/26 13:30
762489013	ARK-AP1-EB-01	Water	02/02/26 16:45	02/03/26 13:30
762489014	ARK-AP1-EB-02	Water	02/02/26 16:30	02/03/26 13:30
762489015	ARK-AP1-FD-02	Water	02/02/26 17:35	02/03/26 13:30
762751001	ARK-AP1PZ-8	Water	02/03/26 11:00	02/04/26 13:50



762751002	ARK-AP1PZ-10	Water	02/03/26 11:10	02/04/26 13:50
762751003	ARK-AP1PZ-11	Water	02/03/26 11:20	02/04/26 13:50
762751004	ARK-AP1-FD-01	Water	02/03/26 12:00	02/04/26 13:50
762751005	ARK-AP1-FB-01	Water	02/03/26 11:30	02/04/26 13:50
762751006	ARK-AP1-FB-02	Water	02/03/26 11:30	02/04/26 13:50

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

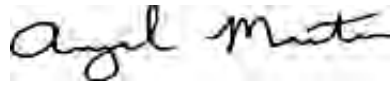
<u>Method</u>	<u>Run Date ID</u>
SW846 3005A	04-FEB-2026
SW846 3005A	05-FEB-2026
SW846 7470A Prep	04-FEB-2026
SW846 7470A Prep	06-FEB-2026

Analysis Methods and Analysis Dates

<u>Method</u>	<u>Run Date ID</u>
EPA 300.0	04-FEB-2026
EPA 300.0	05-FEB-2026
SM 2540C	05-FEB-2026
SM 2540C	09-FEB-2026
SW846 3005A/6020B	11-FEB-2026
SW846 3005A/6020B	12-FEB-2026
SW846 3005A/6020B	13-FEB-2026
SW846 3005A/6020B	16-FEB-2026
SW846 7470A	05-FEB-2026
SW846 7470A	09-FEB-2026

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. 4705.

Sincerely,

A handwritten signature in black ink, appearing to read "Abigail Martin". The signature is written in a cursive, flowing style.

Abigail Martin
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: 762489 GEL Work Order: 762489

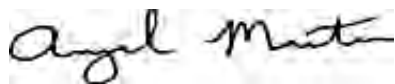
The Qualifiers in this report are defined as follows:

- * 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, Abigail Martin.



Reviewed by _____

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: February 17, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1GWA-1 Project: GPCC01924
Sample ID: 762489001 Client ID: GPCC003
Matrix: WG
Collect Date: 02-FEB-26 14:00
Receive Date: 03-FEB-26
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		1.81	0.0670	0.200	mg/L		1	TXT1	02/04/26	1252	2939649	1
Fluoride		0.290	0.0330	0.100	mg/L		1					
Sulfate		45.9	0.665	2.00	mg/L		5	TXT1	02/04/26	2351	2939649	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/05/26	1001	2939580	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1455	2939396	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	J	0.00342	0.00150	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1030	2939396	5
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium		0.0522	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1011	2939396	6
Chromium	J	0.00413	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00446	0.000300	0.00100	mg/L	1.00	1					
Lithium	J	0.00913	0.00300	0.0100	mg/L	1.00	1	BCD1	02/13/26	1531	2939396	7
Beryllium		0.00143	0.000200	0.000500	mg/L	1.00	1	BCD1	02/16/26	1430	2939396	8
Boron		0.114	0.00520	0.0150	mg/L	1.00	1					
Calcium		15.6	0.0800	0.200	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		129	2.38	10.0	mg/L			SC1	02/05/26	1524	2939638	9

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/04/26	1415	2939579
SW846 3005A	ICP-MS 3005A PREP	ES3	02/04/26	0825	2939395

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Certificate of Analysis

Report Date: February 17, 2026

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

Contact: Atlanta, Georgia 30308
Joju Abraham
Project: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1GWA-1 Project: GPCC01924
Sample ID: 762489001 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	SW846 3005A/6020B											
9	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: February 17, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1GWA-2 Project: GPCC01924
Sample ID: 762489002 Client ID: GPCC003
Matrix: WG
Collect Date: 02-FEB-26 15:05
Receive Date: 03-FEB-26
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		1.90	0.0670	0.200	mg/L		1	TXT1	02/04/26	1426	2939649	1
Fluoride	J	0.0766	0.0330	0.100	mg/L		1					
Sulfate		10.6	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	JP2	02/05/26	1006	2939580	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1517	2939396	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1046	2939396	4
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium		0.0561	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1025	2939396	5
Chromium	J	0.00489	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000588	0.000300	0.00100	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1	BCD1	02/13/26	1539	2939396	6
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BCD1	02/16/26	1438	2939396	7
Boron		0.0391	0.00520	0.0150	mg/L	1.00	1					
Calcium		8.57	0.0800	0.200	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		78.0	2.38	10.0	mg/L			SC1	02/05/26	1524	2939638	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/04/26	1415	2939579
SW846 3005A	ICP-MS 3005A PREP	ES3	02/04/26	0825	2939395

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Certificate of Analysis

Report Date: February 17, 2026

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

Contact: Atlanta, Georgia 30308
Joju Abraham
Project: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1GWA-2 Project: GPCC01924
Sample ID: 762489002 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	SW846 3005A/6020B											
6	SW846 3005A/6020B											
7	SW846 3005A/6020B											
8	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: February 17, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1GWC-6 Project: GPCC01924
Sample ID: 762489003 Client ID: GPCC003
Matrix: WG
Collect Date: 02-FEB-26 15:15
Receive Date: 03-FEB-26
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		2.29	0.0670	0.200	mg/L		1	TXT1	02/04/26	1703	2939649	1
Fluoride	J	0.0541	0.0330	0.100	mg/L		1					
Sulfate		101	1.33	4.00	mg/L		10	TXT1	02/05/26	0125	2939649	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/05/26	1008	2939580	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1520	2939396	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum	J	0.000273	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1048	2939396	5
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium		0.0378	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1027	2939396	6
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0171	0.000300	0.00100	mg/L	1.00	1					
Lithium	J	0.00544	0.00300	0.0100	mg/L	1.00	1	BCD1	02/13/26	1543	2939396	7
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BCD1	02/16/26	1439	2939396	8
Boron		0.178	0.00520	0.0150	mg/L	1.00	1					
Calcium		32.0	0.0800	0.200	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		216	2.38	10.0	mg/L			SC1	02/05/26	1524	2939638	9

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/04/26	1415	2939579
SW846 3005A	ICP-MS 3005A PREP	ES3	02/04/26	0825	2939395

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Certificate of Analysis

Report Date: February 17, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1GWC-6 Project: GPCC01924
Sample ID: 762489003 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	SW846 3005A/6020B											
9	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: February 17, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1GWC-7 Project: GPCC01924
Sample ID: 762489004 Client ID: GPCC003
Matrix: WG
Collect Date: 02-FEB-26 14:55
Receive Date: 03-FEB-26
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		3.40	0.0670	0.200	mg/L		1	TXT1	02/04/26	1734	2939649	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		130	1.33	4.00	mg/L		10	TXT1	02/05/26	0157	2939649	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/05/26	1009	2939580	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1523	2939396	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1050	2939396	5
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium		0.0431	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1029	2939396	6
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000598	0.000300	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1	BCD1	02/13/26	1545	2939396	7
Boron		0.482	0.0260	0.0750	mg/L	1.00	5	BCD1	02/16/26	1440	2939396	8
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BCD1	02/16/26	1503	2939396	9
Calcium		39.0	0.0800	0.200	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		223	2.38	10.0	mg/L			SC1	02/05/26	1524	2939638	10

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/04/26	0825	2939395
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/04/26	1415	2939579

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: February 17, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1GWC-7 Project: GPCC01924
Sample ID: 762489004 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	SW846 3005A/6020B											
9	SW846 3005A/6020B											
10	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

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: February 17, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1GWC-8 Project: GPCC01924
Sample ID: 762489005 Client ID: GPCC003
Matrix: WG
Collect Date: 02-FEB-26 16:10
Receive Date: 03-FEB-26
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		3.85	0.0670	0.200	mg/L		1	TXT1	02/04/26	1806	2939649	1
Fluoride		0.126	0.0330	0.100	mg/L		1					
Sulfate		783	13.3	40.0	mg/L		100	TXT1	02/05/26	0228	2939649	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/05/26	1011	2939580	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1526	2939396	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium	J	0.000366	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium		0.00780	0.00150	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1052	2939396	5
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium		0.0174	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1031	2939396	6
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0112	0.000300	0.00100	mg/L	1.00	1					
Lithium		0.0255	0.00300	0.0100	mg/L	1.00	1	BCD1	02/13/26	1546	2939396	7
Boron		3.41	0.104	0.300	mg/L	1.00	20	BCD1	02/16/26	1441	2939396	8
Calcium		203	1.60	4.00	mg/L	1.00	20					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BCD1	02/16/26	1504	2939396	9
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1260	2.38	10.0	mg/L			SC1	02/05/26	1524	2939638	10

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/04/26	0825	2939395
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/04/26	1415	2939579

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Certificate of Analysis

Report Date: February 17, 2026

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

Contact: Atlanta, Georgia 30308
Joju Abraham
Project: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1GWC-8 Project: GPCC01924
Sample ID: 762489005 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	SW846 3005A/6020B											
9	SW846 3005A/6020B											
10	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: February 17, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-1 Project: GPCC01924
Sample ID: 762489006 Client ID: GPCC003
Matrix: WG
Collect Date: 02-FEB-26 16:30
Receive Date: 03-FEB-26
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		1.98	0.0670	0.200	mg/L		1	TXT1	02/04/26	1837	2939649	1
Fluoride	J	0.0659	0.0330	0.100	mg/L		1					
Sulfate		86.7	1.33	4.00	mg/L		10	TXT1	02/05/26	0259	2939649	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/05/26	1013	2939580	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1530	2939396	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum	J	0.000266	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1054	2939396	5
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium		0.0306	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1033	2939396	6
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00105	0.000300	0.00100	mg/L	1.00	1					
Lithium	J	0.00456	0.00300	0.0100	mg/L	1.00	1	BCD1	02/13/26	1548	2939396	7
Boron		0.361	0.0104	0.0300	mg/L	1.00	2	BCD1	02/16/26	1443	2939396	8
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BCD1	02/16/26	1505	2939396	9
Calcium		32.2	0.0800	0.200	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		218	2.38	10.0	mg/L			SC1	02/05/26	1524	2939638	10

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/04/26	0825	2939395
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/04/26	1415	2939579

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Certificate of Analysis

Report Date: February 17, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-1 Project: GPCC01924
Sample ID: 762489006 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	SW846 3005A/6020B											
9	SW846 3005A/6020B											
10	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: February 17, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-2 Project: GPCC01924
Sample ID: 762489007 Client ID: GPCC003
Matrix: WG
Collect Date: 02-FEB-26 18:10
Receive Date: 03-FEB-26
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		2.90	0.134	0.400	mg/L		2	TXT1	02/04/26	1908	2939649	1
Fluoride	U	ND	0.0660	0.200	mg/L		2					
Sulfate		546	6.65	20.0	mg/L		50	TXT1	02/05/26	0331	2939649	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/05/26	1014	2939580	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1533	2939396	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1057	2939396	5
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium		0.0227	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1035	2939396	6
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0672	0.000300	0.00100	mg/L	1.00	1					
Lithium		0.0147	0.00300	0.0100	mg/L	1.00	1	BCD1	02/13/26	1550	2939396	7
Boron		0.425	0.0260	0.0750	mg/L	1.00	5	BCD1	02/16/26	1444	2939396	8
Calcium		161	0.400	1.00	mg/L	1.00	5					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BCD1	02/16/26	1506	2939396	9
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		967	2.38	10.0	mg/L			SC1	02/05/26	1524	2939638	10

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/04/26	1415	2939579
SW846 3005A	ICP-MS 3005A PREP	ES3	02/04/26	0825	2939395

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Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-2 Project: GPCC01924
Sample ID: 762489007 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	SW846 3005A/6020B											
9	SW846 3005A/6020B											
10	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

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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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-3 Project: GPCC01924
Sample ID: 762489008 Client ID: GPCC003
Matrix: WG
Collect Date: 02-FEB-26 17:35
Receive Date: 03-FEB-26
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		5.26	0.335	1.00	mg/L		5	TXT1	02/04/26	1940	2939649	1
Fluoride	U	ND	0.165	0.500	mg/L		5					
Sulfate		1160	13.3	40.0	mg/L		100	TXT1	02/05/26	0402	2939649	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/05/26	1016	2939580	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1536	2939396	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium		0.00115	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum	J	0.000265	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1059	2939396	5
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium		0.0220	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1037	2939396	6
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0611	0.000300	0.00100	mg/L	1.00	1					
Lithium		0.0683	0.00300	0.0100	mg/L	1.00	1	BCD1	02/13/26	1551	2939396	7
Boron		1.74	0.0520	0.150	mg/L	1.00	10	BCD1	02/16/26	1445	2939396	8
Calcium		411	0.800	2.00	mg/L	1.00	10					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BCD1	02/16/26	1508	2939396	9
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2010	2.38	10.0	mg/L			SC1	02/05/26	1524	2939638	10

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/04/26	1415	2939579
SW846 3005A	ICP-MS 3005A PREP	ES3	02/04/26	0825	2939395

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Company : Georgia Power Company, Southern Company
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Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-3 Project: GPCC01924
Sample ID: 762489008 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	SW846 3005A/6020B											
9	SW846 3005A/6020B											
10	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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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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-4 Project: GPCC01924
Sample ID: 762489009 Client ID: GPCC003
Matrix: WG
Collect Date: 02-FEB-26 17:05
Receive Date: 03-FEB-26
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		5.29	0.335	1.00	mg/L		5	TXT1	02/04/26	2011	2939649	1
Fluoride	J	0.267	0.165	0.500	mg/L		5					
Sulfate		1280	13.3	40.0	mg/L		100	TXT1	02/05/26	0536	2939649	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/05/26	1017	2939580	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1539	2939396	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum		0.00372	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1101	2939396	5
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium		0.0268	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1040	2939396	6
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000744	0.000300	0.00100	mg/L	1.00	1					
Lithium	J	0.00639	0.00300	0.0100	mg/L	1.00	1	BCD1	02/13/26	1553	2939396	7
Boron		4.31	0.208	0.600	mg/L	1.00	40	BCD1	02/16/26	1451	2939396	8
Calcium		407	3.20	8.00	mg/L	1.00	40					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BCD1	02/16/26	1509	2939396	9
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2140	2.38	10.0	mg/L			SC1	02/05/26	1524	2939638	10

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/04/26	1415	2939579
SW846 3005A	ICP-MS 3005A PREP	ES3	02/04/26	0825	2939395

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

Contact: Atlanta, Georgia 30308
Project: Joju Abraham
Project: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-4
Sample ID: 762489009
Project: GPCC01924
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	SW846 3005A/6020B											
9	SW846 3005A/6020B											
10	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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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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-5 Project: GPCC01924
Sample ID: 762489010 Client ID: GPCC003
Matrix: WG
Collect Date: 02-FEB-26 14:30
Receive Date: 03-FEB-26
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		9.16	0.335	1.00	mg/L		5	TXT1	02/04/26	2043	2939649	1
Fluoride	J	0.376	0.165	0.500	mg/L		5					
Sulfate		1800	26.6	80.0	mg/L		200	TXT1	02/05/26	0608	2939649	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/05/26	1019	2939580	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1542	2939396	4
Arsenic	J	0.00345	0.00200	0.00500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum		0.0402	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1103	2939396	5
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium		0.0301	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1042	2939396	6
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0942	0.000300	0.00100	mg/L	1.00	1					
Lithium		0.380	0.00300	0.0100	mg/L	1.00	1	BCD1	02/13/26	1554	2939396	7
Boron		7.31	0.260	0.750	mg/L	1.00	50	BCD1	02/16/26	1447	2939396	8
Calcium		565	4.00	10.0	mg/L	1.00	50					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BCD1	02/16/26	1510	2939396	9
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2990	2.38	10.0	mg/L			SC1	02/05/26	1524	2939638	10

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/04/26	0825	2939395
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/04/26	1415	2939579

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Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-5 Project: GPCC01924
Sample ID: 762489010 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	SW846 3005A/6020B											
9	SW846 3005A/6020B											
10	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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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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-7 Project: GPCC01924
Sample ID: 762489011 Client ID: GPCC003
Matrix: WG
Collect Date: 02-FEB-26 18:18
Receive Date: 03-FEB-26
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		6.08	0.335	1.00	mg/L		5	TXT1	02/04/26	2114	2939649	1
Fluoride	U	ND	0.165	0.500	mg/L		5					
Sulfate		1170	13.3	40.0	mg/L		100	TXT1	02/05/26	0639	2939649	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/05/26	1021	2939580	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1545	2939396	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum		0.00107	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1106	2939396	5
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium		0.0237	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1044	2939396	6
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00287	0.000300	0.00100	mg/L	1.00	1					
Lithium	J	0.00376	0.00300	0.0100	mg/L	1.00	1	BCD1	02/13/26	1559	2939396	7
Boron		3.74	0.104	0.300	mg/L	1.00	20	BCD1	02/16/26	1455	2939396	8
Calcium		386	1.60	4.00	mg/L	1.00	20					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BCD1	02/16/26	1511	2939396	9
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2180	2.38	10.0	mg/L			SC1	02/05/26	1524	2939638	10

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/04/26	0825	2939395
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/04/26	1415	2939579

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Report Date: February 17, 2026

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

Contact: Atlanta, Georgia 30308
Joju Abraham
Project: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-7 Project: GPCC01924
Sample ID: 762489011 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	SW846 3005A/6020B											
9	SW846 3005A/6020B											
10	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: February 17, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-9 Project: GPCC01924
Sample ID: 762489012 Client ID: GPCC003
Matrix: WG
Collect Date: 02-FEB-26 16:00
Receive Date: 03-FEB-26
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		3.81	0.0670	0.200	mg/L		1	TXT1	02/04/26	2145	2939649	1
Fluoride		0.559	0.0330	0.100	mg/L		1					
Sulfate		297	3.33	10.0	mg/L		25	TXT1	02/05/26	0710	2939649	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/05/26	1026	2939580	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1554	2939396	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium		0.00133	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1112	2939396	5
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium		0.0241	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1050	2939396	6
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.103	0.000300	0.00100	mg/L	1.00	1					
Lithium		0.163	0.00300	0.0100	mg/L	1.00	1	BCD1	02/13/26	1600	2939396	7
Boron		0.768	0.0260	0.0750	mg/L	1.00	5	BCD1	02/16/26	1456	2939396	8
Calcium		69.5	0.400	1.00	mg/L	1.00	5					
Beryllium		0.000823	0.000200	0.000500	mg/L	1.00	1	BCD1	02/16/26	1512	2939396	9
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		505	2.38	10.0	mg/L			SC1	02/05/26	1524	2939638	10

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/04/26	1415	2939579
SW846 3005A	ICP-MS 3005A PREP	ES3	02/04/26	0825	2939395

GEL LABORATORIES LLC

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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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-9 Project: GPCC01924
Sample ID: 762489012 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	SW846 3005A/6020B											
9	SW846 3005A/6020B											
10	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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: February 17, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1-EB-01 Project: GPCC01924
Sample ID: 762489013 Client ID: GPCC003
Matrix: WQ
Collect Date: 02-FEB-26 16:45
Receive Date: 03-FEB-26
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	TXT1	02/04/26	1149	2939649	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		0.402	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	JP2	02/05/26	1027	2939580	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1558	2939396	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1114	2939396	4
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1052	2939396	5
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1	BCD1	02/13/26	1602	2939396	6
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BCD1	02/16/26	1457	2939396	7
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					

Solids Analysis

SM2540C Dissolved Solids "As Received"

Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	02/05/26	1524	2939638	8
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The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/04/26	0825	2939395
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/04/26	1415	2939579

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: February 17, 2026

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

Contact: Atlanta, Georgia 30308
Project: Joju Abraham
Project: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1-EB-01 Project: GPCC01924
Sample ID: 762489013 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	SW846 3005A/6020B											
6	SW846 3005A/6020B											
7	SW846 3005A/6020B											
8	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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: February 17, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1-EB-02 Project: GPCC01924
Sample ID: 762489014 Client ID: GPCC003
Matrix: WQ
Collect Date: 02-FEB-26 16:30
Receive Date: 03-FEB-26
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	TXT1	02/04/26	1221	2939649	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	JP2	02/05/26	1029	2939580	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1601	2939396	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1117	2939396	4
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1054	2939396	5
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1	BCD1	02/13/26	1603	2939396	6
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BCD1	02/16/26	1458	2939396	7
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	02/05/26	1524	2939638	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/04/26	0825	2939395
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/04/26	1415	2939579

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: February 17, 2026

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

Contact: Atlanta, Georgia 30308
Joju Abraham
Project: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1-EB-02 Project: GPCC01924
Sample ID: 762489014 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	SW846 3005A/6020B											
6	SW846 3005A/6020B											
7	SW846 3005A/6020B											
8	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

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: February 17, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1-FD-02 Project: GPCC01924
Sample ID: 762489015 Client ID: GPCC003
Matrix: WG
Collect Date: 02-FEB-26 17:35
Receive Date: 03-FEB-26
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		5.15	0.134	0.400	mg/L		2	TXT1	02/04/26	2320	2939649	1
Fluoride	J	0.0900	0.0660	0.200	mg/L		2					
Sulfate		1320	13.3	40.0	mg/L		100	TXT1	02/05/26	0845	2939649	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/05/26	1031	2939580	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1604	2939396	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium		0.00122	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum	J	0.000235	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1119	2939396	5
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium		0.0225	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1056	2939396	6
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0610	0.000300	0.00100	mg/L	1.00	1					
Lithium		0.0686	0.00300	0.0100	mg/L	1.00	1	BCD1	02/13/26	1605	2939396	7
Boron		1.69	0.0520	0.150	mg/L	1.00	10	BCD1	02/16/26	1459	2939396	8
Calcium		421	0.800	2.00	mg/L	1.00	10					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BCD1	02/16/26	1513	2939396	9
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2010	2.38	10.0	mg/L			SC1	02/05/26	1524	2939638	10

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/04/26	1415	2939579
SW846 3005A	ICP-MS 3005A PREP	ES3	02/04/26	0825	2939395

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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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1-FD-02 Project: GPCC01924
Sample ID: 762489015 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	SW846 3005A/6020B											
9	SW846 3005A/6020B											
10	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

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: February 18, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-8 Project: GPCC01924
Sample ID: 762751001 Client ID: GPCC003
Matrix: WG
Collect Date: 03-FEB-26 11:00
Receive Date: 04-FEB-26
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		3.61	0.134	0.400	mg/L		2	CH6	02/04/26	1807	2939838	1
Fluoride	J	0.186	0.0660	0.200	mg/L		2					
Sulfate		642	6.65	20.0	mg/L		50	CH6	02/04/26	2227	2939838	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/09/26	0935	2941220	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1913	2940278	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium	J	0.000354	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum		0.869	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1333	2940278	5
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Calcium		306	0.800	2.00	mg/L	1.00	10	BCD1	02/12/26	1844	2940278	6
Boron		3.14	0.104	0.300	mg/L	1.00	20	BCD1	02/12/26	1835	2940278	7
Barium		0.0341	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1301	2940278	8
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000893	0.000300	0.00100	mg/L	1.00	1					
Lithium	J	0.00347	0.00300	0.0100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1340	2.38	10.0	mg/L			SC1	02/09/26	1536	2941214	9

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/06/26	1445	2941219
SW846 3005A	ICP-MS 3005A PREP	ES3	02/05/26	0810	2940277

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: February 18, 2026

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

Contact: Atlanta, Georgia 30308
Joju Abraham
Project: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-8 Project: GPCC01924
Sample ID: 762751001 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	SW846 3005A/6020B											
9	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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: February 18, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-10 Project: GPCC01924
Sample ID: 762751002 Client ID: GPCC003
Matrix: WG
Collect Date: 03-FEB-26 11:10
Receive Date: 04-FEB-26
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		6.42	0.0670	0.200	mg/L		1	CH6	02/04/26	1859	2939838	1
Fluoride		0.363	0.0330	0.100	mg/L		1					
Sulfate		147	1.33	4.00	mg/L		10	CH6	02/04/26	2245	2939838	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/09/26	0937	2941220	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1935	2940278	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum	J	0.000836	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1349	2940278	5
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.388	0.0104	0.0300	mg/L	1.00	2	BCD1	02/12/26	1913	2940278	6
Calcium		66.8	0.160	0.400	mg/L	1.00	2					
Barium		0.0350	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1315	2940278	7
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000655	0.000300	0.00100	mg/L	1.00	1					
Lithium		0.0277	0.00300	0.0100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		381	2.38	10.0	mg/L			SC1	02/09/26	1536	2941214	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/05/26	0810	2940277
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/06/26	1445	2941219

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

Certificate of Analysis

Report Date: February 18, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-10 Project: GPCC01924
Sample ID: 762751002 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	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: February 18, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-11 Project: GPCC01924
Sample ID: 762751003 Client ID: GPCC003
Matrix: WG
Collect Date: 03-FEB-26 11:20
Receive Date: 04-FEB-26
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		1.14	0.0670	0.200	mg/L		1	CH6	02/04/26	1916	2939838	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		44.7	1.33	4.00	mg/L		10	CH6	02/04/26	2302	2939838	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/09/26	0939	2941220	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1938	2940278	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		27.5	0.0800	0.200	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1351	2940278	5
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium		0.0234	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1317	2940278	6
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Boron		0.166	0.00520	0.0150	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					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		171	2.38	10.0	mg/L			SC1	02/09/26	1536	2941214	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/06/26	1445	2941219
SW846 3005A	ICP-MS 3005A PREP	ES3	02/05/26	0810	2940277

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: February 18, 2026

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

Contact: Atlanta, Georgia 30308
Joju Abraham
Project: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1PZ-11 Project: GPCC01924
Sample ID: 762751003 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	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: February 18, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1-FD-01 Project: GPCC01924
Sample ID: 762751004 Client ID: GPCC003
Matrix: WG
Collect Date: 03-FEB-26 12:00
Receive Date: 04-FEB-26
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		3.67	0.0670	0.200	mg/L		1	CH6	02/04/26	1934	2939838	1
Fluoride		0.174	0.0330	0.100	mg/L		1					
Sulfate		647	6.65	20.0	mg/L		50	CH6	02/04/26	2319	2939838	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/09/26	0940	2941220	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1941	2940278	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Cadmium	J	0.000351	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum		0.891	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1354	2940278	5
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Calcium		319	0.800	2.00	mg/L	1.00	10	BCD1	02/12/26	1917	2940278	6
Boron		3.07	0.104	0.300	mg/L	1.00	20	BCD1	02/12/26	1915	2940278	7
Barium		0.0346	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1319	2940278	8
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000832	0.000300	0.00100	mg/L	1.00	1					
Lithium	J	0.00350	0.00300	0.0100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1360	2.38	10.0	mg/L			SC1	02/09/26	1536	2941214	9

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/05/26	0810	2940277
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/06/26	1445	2941219

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Certificate of Analysis

Report Date: February 18, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1-FD-01
Sample ID: 762751004

Project: GPCC01924
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	SW846 3005A/6020B											
9	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: February 18, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1-FB-01 Project: GPCC01924
Sample ID: 762751005 Client ID: GPCC003
Matrix: WQ
Collect Date: 03-FEB-26 11:30
Receive Date: 04-FEB-26
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	CH6	02/04/26	1951	2939838	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	JP2	02/09/26	0942	2941220	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1944	2940278	3
Arsenic	U	ND	0.00200	0.00500	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					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum	J	0.000663	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1356	2940278	4
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1321	2940278	5
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Boron	J	0.0134	0.00520	0.0150	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					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	02/09/26	1536	2941214	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/06/26	1445	2941219
SW846 3005A	ICP-MS 3005A PREP	ES3	02/05/26	0810	2940277

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: February 18, 2026

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

Contact: Atlanta, Georgia 30308
Joju Abraham
Project: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1-FB-01 Project: GPCC01924
Sample ID: 762751005 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	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: February 18, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1-FB-02 Project: GPCC01924
Sample ID: 762751006 Client ID: GPCC003
Matrix: WQ
Collect Date: 03-FEB-26 11:30
Receive Date: 04-FEB-26
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	CH6	02/04/26	2008	2939838	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	JP2	02/09/26	0943	2941220	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals** "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BCD1	02/11/26	1947	2940278	3
Arsenic	U	ND	0.00200	0.00500	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					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1	BCD1	02/12/26	1358	2940278	4
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1	BCD1	02/13/26	1323	2940278	5
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Boron	J	0.00837	0.00520	0.0150	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					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	02/09/26	1536	2941214	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/05/26	0810	2940277
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/06/26	1445	2941219

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Certificate of Analysis

Report Date: February 18, 2026

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 Plant Arkwright Ash Pond 1 and

Client Sample ID: ARK-AP1-FB-02 Project: GPCC01924
Sample ID: 762751006 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	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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QC Summary

Report Date: February 18, 2026

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

Workorder: 762751

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Ion Chromatography											
Batch	2939838										
QC1206369958	762619002	DUP									
Chloride		17.2		17.2	mg/L	0.0557		(0%-20%)	CH6	02/04/26	21:18
Fluoride		1.21		1.21	mg/L	0.182		(0%-20%)		02/04/26	13:40
Sulfate		31.8		32.0	mg/L	0.639		(0%-20%)		02/04/26	21:18
QC1206369955	LCS										
Chloride	5.00			4.75	mg/L		94.9	(90%-110%)		02/04/26	10:38
Fluoride	2.50			2.43	mg/L		97.2	(90%-110%)			
Sulfate	10.0			9.58	mg/L		95.8	(90%-110%)			
QC1206369954	MB										
Chloride			U	ND	mg/L					02/04/26	10:21
Fluoride			U	ND	mg/L						
Sulfate			U	ND	mg/L						
QC1206369959	762619002	MS									
Chloride	10.0	17.2		28.4	mg/L		111 *	(90%-110%)		02/04/26	21:35
Fluoride	2.50	1.21		3.72	mg/L		101	(90%-110%)		02/04/26	13:58
Sulfate	20.0	31.8		54.0	mg/L		111 *	(90%-110%)		02/04/26	21:35

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QC Summary

Workorder: 762751

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS											
Batch	2940278										
QC1206370744	LCS										
Antimony	0.0500			0.0515	mg/L		103	(80%-120%)	BCD1	02/11/26	19:10
Arsenic	0.0500			0.0492	mg/L		98.3	(80%-120%)			
Barium	0.0500			0.0530	mg/L		106	(80%-120%)		02/13/26	12:59
Beryllium	0.0500			0.0594	mg/L		119	(80%-120%)			
Boron	0.100			0.118	mg/L		118	(80%-120%)			
Cadmium	0.0500			0.0469	mg/L		93.8	(80%-120%)		02/11/26	19:10
Calcium	2.00			2.29	mg/L		114	(80%-120%)			
Chromium	0.0500			0.0519	mg/L		104	(80%-120%)		02/13/26	12:59
Cobalt	0.0500			0.0527	mg/L		105	(80%-120%)			
Lead	0.0500			0.0481	mg/L		96.3	(80%-120%)		02/11/26	19:10
Lithium	0.0500			0.0582	mg/L		116	(80%-120%)		02/13/26	12:59
Molybdenum	0.0500			0.0510	mg/L		102	(80%-120%)		02/12/26	13:31
Selenium	0.0500			0.0531	mg/L		106	(80%-120%)		02/11/26	19:10
Thallium	0.0500			0.0448	mg/L		89.6	(80%-120%)		02/12/26	13:31

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QC Summary

Workorder: 762751

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS											
Batch	2940278										
QC1206370743	MB										
Antimony			U	ND	mg/L				BCD1	02/11/26	19:07
Arsenic			U	ND	mg/L						
Barium			U	ND	mg/L					02/13/26	12:57
Beryllium			U	ND	mg/L						
Boron			U	ND	mg/L						
Cadmium			U	ND	mg/L					02/11/26	19:07
Calcium			U	ND	mg/L						
Chromium			U	ND	mg/L					02/13/26	12:57
Cobalt			U	ND	mg/L						
Lead			U	ND	mg/L					02/11/26	19:07
Lithium			U	ND	mg/L					02/13/26	12:57
Molybdenum			U	ND	mg/L					02/12/26	13:29
Selenium			U	ND	mg/L					02/11/26	19:07
Thallium			U	ND	mg/L					02/12/26	13:29

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QC Summary

Workorder: 762751

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Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS												
Batch	2940278											
QC1206370745	762751001	MS										
Antimony	0.0500	U	ND		0.0505	mg/L		101	(75%-125%)	BCD1	02/11/26	19:16
Arsenic	0.0500	U	ND		0.0538	mg/L		105	(75%-125%)			
Barium	0.0500		0.0341		0.0835	mg/L		99	(75%-125%)		02/13/26	13:03
Beryllium	0.0500	U	ND		0.0554	mg/L		111	(75%-125%)			
Boron	0.100		3.14		3.23	mg/L		N/A	(75%-125%)		02/12/26	18:38
Cadmium	0.0500	J	0.000354		0.0451	mg/L		89.5	(75%-125%)		02/11/26	19:16
Calcium	2.00		306		308	mg/L		N/A	(75%-125%)		02/12/26	18:46
Chromium	0.0500	U	ND		0.0497	mg/L		99.4	(75%-125%)		02/13/26	13:03
Cobalt	0.0500	J	0.000893		0.0488	mg/L		95.9	(75%-125%)			
Lead	0.0500	U	ND		0.0432	mg/L		86.3	(75%-125%)		02/11/26	19:16
Lithium	0.0500	J	0.00347		0.0591	mg/L		111	(75%-125%)		02/13/26	13:03
Molybdenum	0.0500		0.869		0.903	mg/L		N/A	(75%-125%)		02/12/26	13:35
Selenium	0.0500	U	ND		0.0590	mg/L		118	(75%-125%)		02/11/26	19:16
Thallium	0.0500	U	ND		0.0418	mg/L		83.6	(75%-125%)		02/12/26	13:35

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QC Summary

Workorder: 762751

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS											
Batch	2940278										
QC1206370746	762751001	MSD									
Antimony	0.0500	U	ND	0.0531	mg/L	5.07	106	(0%-20%)	BCD1	02/11/26	19:19
Arsenic	0.0500	U	ND	0.0539	mg/L	0.0984	106	(0%-20%)			
Barium	0.0500		0.0341	0.0858	mg/L	2.62	103	(0%-20%)		02/13/26	13:05
Beryllium	0.0500	U	ND	0.0557	mg/L	0.552	111	(0%-20%)			
Boron	0.100		3.14	3.25	mg/L	0.806	N/A	(0%-20%)		02/12/26	18:40
Cadmium	0.0500	J	0.000354	0.0462	mg/L	2.35	91.6	(0%-20%)		02/11/26	19:19
Calcium	2.00		306	324	mg/L	4.99	N/A	(0%-20%)		02/12/26	18:53
Chromium	0.0500	U	ND	0.0518	mg/L	4.11	104	(0%-20%)		02/13/26	13:05
Cobalt	0.0500	J	0.000893	0.0494	mg/L	1.12	97	(0%-20%)			
Lead	0.0500	U	ND	0.0446	mg/L	3.32	89.2	(0%-20%)		02/11/26	19:19
Lithium	0.0500	J	0.00347	0.0599	mg/L	1.45	113	(0%-20%)		02/13/26	13:05
Molybdenum	0.0500		0.869	1.02	mg/L	11.9	N/A	(0%-20%)		02/16/26	14:58
Selenium	0.0500	U	ND	0.0585	mg/L	0.885	117	(0%-20%)		02/11/26	19:19
Thallium	0.0500	U	ND	0.0486	mg/L	15	97.2	(0%-20%)		02/16/26	14:58

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QC Summary

Workorder: 762751

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS											
Batch	2940278										
QC1206370748	762751001	SDILT									
Antimony	U	ND	U	ND	ug/L	N/A		(0%-20%)	BCD1	02/11/26	19:25
Arsenic	U	ND	U	ND	ug/L	N/A		(0%-20%)			
Barium		34.1		7.00	ug/L	2.76		(0%-20%)		02/13/26	13:09
Beryllium	U	ND	U	ND	ug/L	N/A		(0%-20%)			
Boron		157		23.4	ug/L	25.5		(0%-20%)		02/12/26	18:42
Cadmium	J	0.354	U	ND	ug/L	N/A		(0%-20%)		02/11/26	19:25
Calcium		30600		6130	ug/L	.117		(0%-20%)		02/12/26	18:55
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)		02/13/26	13:09
Cobalt	J	0.893	U	ND	ug/L	N/A		(0%-20%)			
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		02/11/26	19:25
Lithium	J	3.47	U	ND	ug/L	N/A		(0%-20%)		02/13/26	13:09
Molybdenum		869		165	ug/L	5.15		(0%-20%)		02/12/26	13:43
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		02/11/26	19:25
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		02/12/26	13:43

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QC Summary

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
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Metals Analysis-Mercury

Batch	2941220										
QC1206372204	762693001	DUP									
Mercury		U	ND	U	ND	mg/L	N/A		JP2	02/09/26	09:24
QC1206372203	LCS										
Mercury		0.00200			0.00198	mg/L		98.8	(80%-120%)		02/09/26 09:20
QC1206372202	MB										
Mercury				U	ND	mg/L					02/09/26 09:19
QC1206372205	762693001	MS									
Mercury		0.0200	U	ND	0.0203	mg/L		98.4	(75%-125%)		02/09/26 09:29

Solids Analysis

Batch	2941214										
QC1206372185	762587005	DUP									
Total Dissolved Solids			386		392	mg/L	1.54		(0%-5%)	SC1	02/09/26 15:36
QC1206372184	LCS										
Total Dissolved Solids		300			298	mg/L		99.3	(95%-105%)		02/09/26 15:36
QC1206372183	MB										
Total Dissolved Solids				U	ND	mg/L					02/09/26 15:36

Notes:

The Qualifiers in this report are defined as follows:

- U U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- J J Value is estimated

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.

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QC Summary

Report Date: February 17, 2026

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

Workorder: 762489

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Ion Chromatography											
Batch	2939649										
QC1206369648	762489001	DUP									
Chloride		1.81		1.85	mg/L	2.12		(0%-20%)	TXT1	02/04/26	13:23
Fluoride		0.290		0.286	mg/L	1.43	^	(+/-0.100)			
Sulfate		45.9		46.0	mg/L	0.224		(0%-20%)		02/05/26	00:22
QC1206369650	762489002	DUP									
Chloride		1.90		1.90	mg/L	0.174		(0%-20%)		02/04/26	14:57
Fluoride	J	0.0766	J	0.0530	mg/L	36.4	^	(+/-0.100)			
Sulfate		10.6		10.8	mg/L	1.86		(0%-20%)			
QC1206369647	LCS										
Chloride	5.00			4.74	mg/L		94.7	(90%-110%)		02/04/26	11:18
Fluoride	2.50			2.34	mg/L		93.5	(90%-110%)			
Sulfate	10.0			9.28	mg/L		92.8	(90%-110%)			
QC1206369646	MB										
Chloride			U	ND	mg/L					02/04/26	10:47
Fluoride			U	ND	mg/L						
Sulfate			U	ND	mg/L						

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QC Summary

Workorder: 762489

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Ion Chromatography											
Batch	2939649										
QC1206369649 762489001 MS											
Chloride	5.00	1.81		6.59	mg/L		95.5	(90%-110%)	TXT1	02/04/26	13:55
Fluoride	2.50	0.290		2.72	mg/L		97.3	(90%-110%)			
Sulfate	50.0	45.9		94.2	mg/L		96.7	(90%-110%)		02/05/26	00:54
QC1206369651 762489002 MS											
Chloride	5.00	1.90		6.70	mg/L		95.9	(90%-110%)		02/04/26	15:29
Fluoride	2.50	J 0.0766		2.34	mg/L		90.5	(90%-110%)			
Sulfate	10.0	10.6		20.8	mg/L		102	(90%-110%)			
Metals Analysis - ICPMS											
Batch	2939396										
QC1206369162 LCS											
Antimony	0.0500			0.0485	mg/L		96.9	(80%-120%)	BCD1	02/11/26	14:52
Arsenic	0.0500			0.0517	mg/L		103	(80%-120%)			
Barium	0.0500			0.0512	mg/L		102	(80%-120%)		02/13/26	10:09
Beryllium	0.0500			0.0554	mg/L		111	(80%-120%)		02/16/26	14:28
Boron	0.100			0.112	mg/L		112	(80%-120%)			
Cadmium	0.0500			0.0498	mg/L		99.7	(80%-120%)		02/11/26	14:52
Calcium	2.00			2.05	mg/L		102	(80%-120%)		02/16/26	14:28

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QC Summary

Workorder: 762489

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS											
Batch	2939396										
Chromium	0.0500			0.0520	mg/L		104	(80%-120%)	BCD1	02/13/26	10:09
Cobalt	0.0500			0.0522	mg/L		104	(80%-120%)			
Lead	0.0500			0.0518	mg/L		104	(80%-120%)		02/11/26	14:52
Lithium	0.0500			0.0571	mg/L		114	(80%-120%)		02/13/26	15:30
Molybdenum	0.0500			0.0498	mg/L		99.6	(80%-120%)		02/12/26	10:28
Selenium	0.0500			0.0517	mg/L		103	(80%-120%)		02/11/26	14:52
Thallium	0.0500			0.0457	mg/L		91.4	(80%-120%)		02/12/26	10:28
QC1206369161	MB										
Antimony			U	ND	mg/L					02/11/26	14:49
Arsenic			U	ND	mg/L						
Barium			U	ND	mg/L					02/13/26	10:07
Beryllium			U	ND	mg/L					02/16/26	14:27
Boron			U	ND	mg/L						
Cadmium			U	ND	mg/L					02/11/26	14:49
Calcium			U	ND	mg/L					02/16/26	14:27

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QC Summary

Workorder: 762489

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS											
Batch	2939396										
Chromium			U	ND	mg/L				BCD1	02/13/26	10:07
Cobalt			U	ND	mg/L						
Lead			U	ND	mg/L					02/11/26	14:49
Lithium			U	ND	mg/L					02/13/26	15:28
Molybdenum			U	ND	mg/L					02/12/26	10:26
Selenium			U	ND	mg/L					02/11/26	14:49
Thallium			U	ND	mg/L					02/12/26	10:26
QC1206369163 762489001 MS											
Antimony	0.0500	U	ND	0.0493	mg/L		98.6	(75%-125%)		02/11/26	14:59
Arsenic	0.0500	U	ND	0.0522	mg/L		104	(75%-125%)			
Barium	0.0500		0.0522	0.106	mg/L		108	(75%-125%)		02/13/26	10:13
Beryllium	0.0500		0.00143	0.0603	mg/L		118	(75%-125%)		02/16/26	14:31
Boron	0.100		0.114	0.238	mg/L		124	(75%-125%)			
Cadmium	0.0500	U	ND	0.0506	mg/L		101	(75%-125%)		02/11/26	14:59
Calcium	2.00		15.6	19.0	mg/L		N/A	(75%-125%)		02/16/26	14:31

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QC Summary

Workorder: 762489

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Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS												
Batch	2939396											
Chromium	0.0500	J	0.00413		0.0571	mg/L		106	(75%-125%)	BCD1	02/13/26	10:13
Cobalt	0.0500		0.00446		0.0567	mg/L		104	(75%-125%)			
Lead	0.0500	U	ND		0.0508	mg/L		101	(75%-125%)		02/11/26	14:59
Lithium	0.0500	J	0.00913		0.0696	mg/L		121	(75%-125%)		02/13/26	15:33
Molybdenum	0.0500	U	ND		0.0512	mg/L		102	(75%-125%)		02/12/26	10:32
Selenium	0.0500	J	0.00342		0.0543	mg/L		102	(75%-125%)		02/11/26	14:59
Thallium	0.0500	U	ND		0.0450	mg/L		89.9	(75%-125%)		02/12/26	10:32
QC1206369164 762489001 MSD												
Antimony	0.0500	U	ND		0.0481	mg/L	2.49	96.1	(0%-20%)		02/11/26	15:02
Arsenic	0.0500	U	ND		0.0518	mg/L	0.642	103	(0%-20%)			
Barium	0.0500		0.0522		0.103	mg/L	3.13	101	(0%-20%)		02/13/26	10:15
Beryllium	0.0500		0.00143		0.0604	mg/L	0.116	118	(0%-20%)		02/16/26	14:32
Boron	0.100		0.114		0.237	mg/L	0.409	123	(0%-20%)			
Cadmium	0.0500	U	ND		0.0507	mg/L	0.0789	101	(0%-20%)		02/11/26	15:02
Calcium	2.00		15.6		18.7	mg/L	1.91	N/A	(0%-20%)		02/16/26	14:32

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QC Summary

Workorder: 762489

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Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS												
Batch	2939396											
Chromium	0.0500	J	0.00413		0.0566	mg/L	0.873	105	(0%-20%)	BCD1	02/13/26	10:15
Cobalt	0.0500		0.00446		0.0572	mg/L	0.88	105	(0%-20%)			
Lead	0.0500	U	ND		0.0500	mg/L	1.49	100	(0%-20%)		02/11/26	15:02
Lithium	0.0500	J	0.00913		0.0671	mg/L	3.68	116	(0%-20%)		02/13/26	15:34
Molybdenum	0.0500	U	ND		0.0500	mg/L	2.45	99.7	(0%-20%)		02/12/26	10:35
Selenium	0.0500	J	0.00342		0.0554	mg/L	1.93	104	(0%-20%)		02/11/26	15:02
Thallium	0.0500	U	ND		0.0450	mg/L	0.0445	89.9	(0%-20%)		02/12/26	10:35
QC1206369166 762489001 SDILT												
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		02/11/26	15:08
Arsenic		U	ND	U	ND	ug/L	N/A		(0%-20%)			
Barium			52.2		10.5	ug/L	.4		(0%-20%)		02/13/26	10:19
Beryllium			1.43	J	0.231	ug/L	19		(0%-20%)		02/16/26	14:34
Boron			114		25.4	ug/L	11.7		(0%-20%)			
Cadmium		U	ND	U	ND	ug/L	N/A		(0%-20%)		02/11/26	15:08
Calcium			15600		3280	ug/L	5.36		(0%-20%)		02/16/26	14:34

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QC Summary

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS											
Batch	2939396										
Chromium	J	4.13	U	ND	ug/L	N/A		(0%-20%)	BCD1	02/13/26	10:19
Cobalt		4.46	J	0.879	ug/L	1.5		(0%-20%)			
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		02/11/26	15:08
Lithium	J	9.13	U	ND	ug/L	N/A		(0%-20%)		02/13/26	15:37
Molybdenum	U	ND	U	ND	ug/L	N/A		(0%-20%)		02/12/26	10:39
Selenium	J	3.42	U	ND	ug/L	N/A		(0%-20%)		02/11/26	15:08
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		02/12/26	10:39
Metals Analysis-Mercury											
Batch	2939580										
QC1206369534	762314001	DUP									
Mercury	U	ND	U	ND	mg/L	N/A			JP2	02/05/26	09:50
QC1206369533	LCS										
Mercury	0.00200			0.00201	mg/L		100	(80%-120%)		02/05/26	09:46
QC1206369532	MB										
Mercury			U	ND	mg/L					02/05/26	09:41
QC1206369535	762314001	MS									
Mercury	0.00200	U	ND	0.00203	mg/L		101	(75%-125%)		02/05/26	09:51

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QC Summary

Workorder: 762489

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Solids Analysis											
Batch	2939638										
QC1206369617	762489008	DUP									
Total Dissolved Solids		2010		1980	mg/L	1.35		(0%-5%)	SC1	02/05/26	15:24
QC1206369616	LCS										
Total Dissolved Solids	300			304	mg/L		101	(95%-105%)		02/05/26	15:24
QC1206369615	MB										
Total Dissolved Solids			U	ND	mg/L					02/05/26	15:24

Notes:

The Qualifiers in this report are defined as follows:

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

J J Value is estimated

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 #: 762489**

Metals

Product: Determination of Metals by ICP-MS

Analytical Method: SW846 3005A/6020B

Analytical Procedure: GL-MA-E-014 REV# 37

Analytical Batch: 2939396

Preparation Method: SW846 3005A

Preparation Procedure: GL-MA-E-006 REV# 15

Preparation Batch: 2939395

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
762489001	ARK-APIGWA-1
762489002	ARK-APIGWA-2
762489003	ARK-APIGWC-6
762489004	ARK-APIGWC-7
762489005	ARK-APIGWC-8
762489006	ARK-APIPZ-1
762489007	ARK-APIPZ-2
762489008	ARK-APIPZ-3
762489009	ARK-APIPZ-4
762489010	ARK-APIPZ-5
762489011	ARK-APIPZ-7
762489012	ARK-APIPZ-9
762489013	ARK-API-EB-01
762489014	ARK-API-EB-02
762489015	ARK-API-FD-02
1206369161	Method Blank (MB) ICP-MS Batch 2939396
1206369162	Laboratory Control Sample (LCS)
1206369166	762489001(ARK-APIGWA-1L) Serial Dilution (SD)
1206369163	762489001(ARK-APIGWA-1S) Matrix Spike (MS)
1206369164	762489001(ARK-APIGWA-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 762489004 (ARK-APIGWC-7), 762489005 (ARK-APIGWC-8), 762489006 (ARK-APIPZ-1), 762489007 (ARK-APIPZ-2), 762489008 (ARK-APIPZ-3), 762489009 (ARK-APIPZ-4), 762489010 (ARK-APIPZ-5), 762489011 (ARK-APIPZ-7), 762489012 (ARK-APIPZ-9) and 762489015 (ARK-API-FD-02) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	762489									
	004	005	006	007	008	009	010	011	012	015
Boron	5X	20X	2X	5X	10X	40X	50X	20X	5X	10X
Calcium		20X		5X	10X	40X	50X	20X	5X	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:** 2939580**Preparation Method:** SW846 7470A Prep**Preparation Procedure:** GL-MA-E-010 REV# 42**Preparation Batch:** 2939579

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

GEL Sample ID#**Client Sample Identification**

762489001	ARK-APIGWA-1
762489002	ARK-APIGWA-2
762489003	ARK-APIGWC-6
762489004	ARK-APIGWC-7
762489005	ARK-APIGWC-8
762489006	ARK-APIPZ-1
762489007	ARK-APIPZ-2
762489008	ARK-APIPZ-3
762489009	ARK-APIPZ-4
762489010	ARK-APIPZ-5
762489011	ARK-APIPZ-7
762489012	ARK-APIPZ-9
762489013	ARK-API-EB-01
762489014	ARK-API-EB-02
762489015	ARK-API-FD-02
1206369532	Method Blank (MB)CVAA Batch 2939580
1206369533	Laboratory Control Sample (LCS)
1206369534	762314001(NonSDGD) Sample Duplicate (DUP)
1206369535	762314001(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: 2939649

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
762489001	ARK-APIGWA-1
762489002	ARK-APIGWA-2
762489003	ARK-APIGWC-6
762489004	ARK-APIGWC-7
762489005	ARK-APIGWC-8
762489006	ARK-APIPZ-1
762489007	ARK-APIPZ-2
762489008	ARK-APIPZ-3
762489009	ARK-APIPZ-4
762489010	ARK-APIPZ-5
762489011	ARK-APIPZ-7
762489012	ARK-APIPZ-9
762489013	ARK-API-EB-01
762489014	ARK-API-EB-02
762489015	ARK-API-FD-02
1206369646	Method Blank (MB) Batch 2939649
1206369647	Laboratory Control Sample (LCS)
1206369648	762489001(ARK-APIGWA-1) Sample Duplicate (DUP)
1206369649	762489001(ARK-APIGWA-1) Matrix Spike (MS)
1206369650	762489002(ARK-APIGWA-2) Sample Duplicate (DUP)
1206369651	762489002(ARK-APIGWA-2) 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 1206369648 (ARK-APIGWA-1DUP), 1206369649 (ARK-APIGWA-1MS), 762489001 (ARK-APIGWA-1), 762489003 (ARK-APIGWC-6), 762489004 (ARK-APIGWC-7), 762489005 (ARK-APIGWC-8), 762489006 (ARK-APIPZ-1), 762489007 (ARK-APIPZ-2), 762489008 (ARK-APIPZ-3), 762489009 (ARK-APIPZ-4), 762489010 (ARK-APIPZ-5), 762489011 (ARK-APIPZ-7), 762489012 (ARK-APIPZ-9) and 762489015 (ARK-API-FD-02) were diluted because target analyte concentrations exceeded the calibration range.

Samples 762489007 (ARK-APIPZ-2), 762489008 (ARK-APIPZ-3), 762489009 (ARK-APIPZ-4), 762489010 (ARK-APIPZ-5), 762489011 (ARK-APIPZ-7) and 762489015 (ARK-API-FD-02) were diluted to minimize matrix effects on instrument performance.

Samples 762489007 (ARK-APIPZ-2), 762489008 (ARK-APIPZ-3), 762489009 (ARK-APIPZ-4), 762489010

(ARK-APIPZ-5), 762489011 (ARK-APIPZ-7) and 762489015 (ARK-API-FD-02) 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	762489									
	001	003	004	005	006	007	008	009	010	011
Chloride	1X	1X	1X	1X	1X	2X	5X	5X	5X	5X
Fluoride	1X	1X	1X	1X	1X	2X	5X	5X	5X	5X
Sulfate	5X	10X	10X	100X	10X	50X	100X	100X	200X	100X

Analyte	762489	
	012	015
Chloride	1X	2X
Fluoride	1X	2X
Sulfate	25X	100X

Miscellaneous Information

Manual Integrations

Samples 1206369647 (LCS), 1206369648 (ARK-APIGWA-1DUP), 1206369649 (ARK-APIGWA-1MS), 1206369650 (ARK-APIGWA-2DUP), 1206369651 (ARK-APIGWA-2MS), 762489001 (ARK-APIGWA-1), 762489002 (ARK-APIGWA-2), 762489003 (ARK-APIGWC-6), 762489004 (ARK-APIGWC-7), 762489005 (ARK-APIGWC-8), 762489006 (ARK-APIPZ-1), 762489007 (ARK-APIPZ-2), 762489008 (ARK-APIPZ-3), 762489009 (ARK-APIPZ-4), 762489010 (ARK-APIPZ-5), 762489011 (ARK-APIPZ-7), 762489012 (ARK-APIPZ-9), 762489013 (ARK-API-EB-01) and 762489015 (ARK-API-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# 23

Analytical Batch: 2939638

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
762489001	ARK-APIGWA-1
762489002	ARK-APIGWA-2
762489003	ARK-APIGWC-6
762489004	ARK-APIGWC-7
762489005	ARK-APIGWC-8
762489006	ARK-APIPZ-1
762489007	ARK-APIPZ-2
762489008	ARK-APIPZ-3
762489009	ARK-APIPZ-4
762489010	ARK-APIPZ-5
762489011	ARK-APIPZ-7
762489012	ARK-APIPZ-9
762489013	ARK-API-EB-01
762489014	ARK-API-EB-02
762489015	ARK-API-FD-02

1206369615	Method Blank (MB) Batch 2939638
1206369616	Laboratory Control Sample (LCS)
1206369617	762489008(ARK-AP1PZ-3) 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

Consecutive Weight Checks

In order to meet consecutive weight check criteria, weight events must be within 0.0005g of each other. After initial weight checks failed this criteria, the analyst performed two additional weight events. After four weight events, the analyst was unable to get the samples to conform to the criteria. The failure to meet weigh back criteria is attributed to the matrix of the samples. All relevant processes and procedures are in full adherence to the established QSM requirements. 762489015 (ARK-AP1-FD-02).

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.

**Technical Case Narrative
Georgia Power Company
SDG #: 762751**

Metals

Product: Determination of Metals by ICP-MS

Analytical Method: SW846 3005A/6020B

Analytical Procedure: GL-MA-E-014 REV# 37

Analytical Batch: 2940278

Preparation Method: SW846 3005A

Preparation Procedure: GL-MA-E-006 REV# 15

Preparation Batch: 2940277

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
762751001	ARK-APIPZ-8
762751002	ARK-APIPZ-10
762751003	ARK-APIPZ-11
762751004	ARK-API-FD-01
762751005	ARK-API-FB-01
762751006	ARK-API-FB-02
1206370743	Method Blank (MB) ICP-MS Batch 2940278
1206370744	Laboratory Control Sample (LCS)
1206370748	762751001(ARK-APIPZ-8L) Serial Dilution (SD)
1206370745	762751001(ARK-APIPZ-8S) Matrix Spike (MS)
1206370746	762751001(ARK-APIPZ-8SD) 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 762751001 (ARK-APIPZ-8), 762751002 (ARK-APIPZ-10) and 762751004 (ARK-API-FD-01) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	762751		
	001	002	004
Boron	20X	2X	20X
Calcium	10X	2X	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: 2941220

Preparation Method: SW846 7470A Prep

Preparation Procedure: GL-MA-E-010 REV# 42

Preparation Batch: 2941219

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
762751001	ARK-APIPZ-8
762751002	ARK-APIPZ-10
762751003	ARK-APIPZ-11
762751004	ARK-API-FD-01
762751005	ARK-API-FB-01
762751006	ARK-API-FB-02
1206372202	Method Blank (MB) CVAA Batch 2941220
1206372203	Laboratory Control Sample (LCS)
1206372204	762693001(NonSDGD) Sample Duplicate (DUP)
1206372205	762693001(NonSDGS) 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

Preparation Information

Samples in this SDG were prepared at a ten times dilution factor due to the miscellaneous liquid classification. 1206372204 (Non SDG 762693001DUP) and 1206372205 (Non SDG 762693001MS).

General Chemistry

Product: Ion Chromatography

Analytical Method: EPA 300.0

Analytical Procedure: GL-GC-E-086 REV# 37

Analytical Batch: 2939838

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
762751001	ARK-APIPZ-8
762751002	ARK-APIPZ-10
762751003	ARK-APIPZ-11
762751004	ARK-API-FD-01
762751005	ARK-API-FB-01
762751006	ARK-API-FB-02
1206369954	Method Blank (MB) Batch 2939838
1206369955	Laboratory Control Sample (LCS)
1206369958	762619002(NonSDG) Sample Duplicate (DUP)
1206369959	762619002(NonSDG) 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.

Quality Control (QC) Information

Matrix Spike (MS)/Post Spike (PS) Recovery Statement

The percent recoveries (%R) obtained from the spike analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The matrix spike recovered outside of the established acceptance limits due to matrix interference and/or non-homogeneity.

Analyte	Sample	Value
Chloride	1206369959 (Non SDG 762619002MS)	111* (90%-110%)
Sulfate	1206369959 (Non SDG 762619002MS)	111* (90%-110%)

Technical Information

Sample Dilutions

The following samples 1206369958 (Non SDG 762619002DUP), 1206369959 (Non SDG 762619002MS), 762751001 (ARK-APIPZ-8) and 762751002 (ARK-APIPZ-10) were diluted because target analyte concentrations exceeded the calibration range.

Sample 762751004 (ARK-API-FD-01) was diluted at the prep step due to high concentration.

Sample 762751001 (ARK-APIPZ-8) was diluted to minimize matrix effects on instrument performance.

Samples 762751001 (ARK-APIPZ-8) and 762751003 (ARK-APIPZ-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	762751			
	001	002	003	004
Chloride	2X	1X	1X	1X
Fluoride	2X	1X	1X	1X
Sulfate	50X	10X	10X	50X

Miscellaneous Information

Manual Integrations

Samples 1206369958 (Non SDG 762619002DUP), 1206369959 (Non SDG 762619002MS) and 762751002 (ARK-APIPZ-10) 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# 23

Analytical Batch: 2941214

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
762751001	ARK-APIPZ-8
762751002	ARK-APIPZ-10
762751003	ARK-APIPZ-11
762751004	ARK-API-FD-01
762751005	ARK-API-FB-01
762751006	ARK-API-FB-02
1206372183	Method Blank (MB) Batch 2941214
1206372184	Laboratory Control Sample (LCS)
1206372185	762587005(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.

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.

GEL Laboratories LLC		SAMPLE RECEIPT & REVIEW FORM			
Client: <u>GPRC</u>		SDG/AR/COC/Work Order: <u>762753</u>		GEL PM: <u>ARM</u>	
Received By: <u>CLM</u>		Date Received at GEL: <u>2/9/26</u>			
Carrier (Circle Applicable): FedEx Express FedEx Ground UPS Field Services <u>Courier</u> Client Other:		IR Temp gun # <u>IR5-23</u> Daily Calibration Performed: <u>Y/N</u>			
Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radlochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radlochem only).
<u>Cooler 1</u>	<u>5°</u>		<u>Cooler 6</u>	<u>0°</u>	
<u>2</u>	<u>0°</u>		<u>7</u>	<u>0°</u>	
<u>3</u>	<u>0°</u>				
<u>4</u>	<u>0°</u>				
<u>5</u>	<u>0°</u>				
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#:	
B) Did the client designate the samples are to be received as radioactive?			☒	If UN2910, is the Radioactive Shipment Survey Compliant? Yes No	
C) Did the RSO classify the samples as radioactive?			☒	COC notation or radioactive stickers on containers equal client designation.	
D) Are there any sample hazards to document?			☒	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0</u> CPM mR/Hr	
E) Was a SDS received and reviewed by Lab Safety?			☒	Classified as: Rad 1 Rad 2 Rad 3	
			☒	If yes, select Hazards below: PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:	
			☒	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: <u>Wet Ice</u> Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celsius
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:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)	☒			If Preservation added, Lot#: 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 <u>ARM</u> Date <u>2/9/26</u>					
☐ Continuation Form Required when selected					

PO Number: GPC82177-0005 Project #: 1726990222 GEL Quote #: GEL Project Manager: Abigail Martin		GEL Laboratories LLC CHEMISTRY RADIOCHEMISTRY RADIOBIOASSAY SPECIALTY ANALYTICS 843.556.8171 2040 Savage Road Charleston, SC 29407 gel.com				Chain of Custody and Analytical Record (1) COC Number : 1 Page: 1 of 2 GEL Work Order Number: 762489 762492			
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GEL Client Name: Georgia Power Phone Number: (937-344-6533) Project/Site Name: Plant Arkwright Ash Pond 1 Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308 Collected By: Devon Abuan, Jacob Ashe, Matt Britz, Peyton Hillman, Max Moore, Megan Stepaniuk Send Results To: jabraham@southernco.com ; EDD@stantec.com ; jennifer.kolbe@stantec.com						Turn Around Time Requested. Rush subject to surcharge. Standard: X Rush (Specify):		(5) Sample Analysis Requested Enter Analysis Requested like 8270 PAH or 6010 Metals				Enter total number of container(s) per test below the request on line that corresponds with the sample ID.						
						Should this sample be considered: (7) (8)		< (6) Preservative Type										
Sample ID Each ID listed will be reported as a unique sample unless otherwise instructed. * For composites - indicate start and stop date/time		*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	(2) Field Filtered	(3) QC Code	(4) Sample Matrix	Radioreactive (Y or N)	Known or possible Hazards	Total number of containers	*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, F, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cmbd	Mercury (7470B)	Fe2+/Mn2+ (6020B) Field Filtered	Comments (task_code: ARK-CCR-ASSMT-2026S1)
ARK-APIGWA-1		02-02-26	1400	N	N	WG			6	X		X	X	X	X			
ARK-APIGWA-2		02-02-26	1505	N	N	WG			6	X		X	X	X	X			
ARK-APIGWC-6		02-02-26	1515	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, Ti
ARK-APIGWC-7		02-02-26	1455	N	N	WG			6	X		X	X	X	X			
ARK-APIGWC-8		02-02-26	1610	N	N	WG			6	X		X	X	X	X			
ARK-APIPZ-1		02-02-26	1630	N	N	WG			6	X		X	X	X	X			**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Ti
ARK-APIPZ-2		02-02-26	1810	N	N	WG			6	X		X	X	X	X			
ARK-APIPZ-3		02-02-26	1735	N	N	WG			6	X		X	X	X	X			
ARK-APIPZ-4		02-02-26	1705	N	N	WG			6	X		X	X	X	X			
ARK-APIPZ-5		02-02-26	1430	N	N	WG			6	X		X	X	X	X			

Chain of Custody Signatures						Select Deliverable: [] Results and QC Summary [] Calibration Summary [] Raw Data [] Standards Traceability					
Relinquished By (Signed) Date Time			Received by (signed) Date Time			EDD Required? [X] If yes, specify type.					
1 <i>Paul Kohn</i> 2/3/26 0855			1 <i>Kaitlyn Eriksson</i> 2/3/26 1330			Required Certification:					
2			2			Sample Collection Time Zone: [X] Eastern [] Pacific [] Central [] Mountain [] Other:					
3			3			Additional Comments: 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.)					

(1) Chain of Custody Number		(3) QC Codes		(4) Matrix Codes				(6) Preservative Type			
Client Determined	Equipment Blank (EB)	Matrix Spike (MS)	Biosolid (SB)	Leachate (L)	Soil (SO)	Urine (U)	Ammonium Acetate (AM)	Nitric Acid (NI)	Sodium Thiosulfate (ST)		
(2) Field Filtered	Field Reagent Blank	Matrix Spike Duplicate (MSD)	Concrete (C)	Misc Liquid (ML)	Solid Waste (SS)	Vegetation (V)	Ascorbic Acid (AA)	Sodium Hydroxide (SH)	Sulfuric Acid (SA)		
For liquid matrices, indicate with a Y for yes the sample was field filtered.	Field Duplicate (DUP)	Composite (C)	Drinking Water (DW)	Oil (O)	Storm Water (WS)	Waste Water (WW)	Hexane (HX)	Sodium Bisulfate (SBA)	Trizma (TZ)		
	Trip Blank (TB)	Grab (G)	Fecal (FC)	Sediment (SD)	Surface Water (SW)	Water (W)	Hydrochloric Acid (HA)	Sodium Bisulfite (SBI)	Zinc Acetate (ZA)		
			Filter (F)	Sludge (SL)	Tissue (T)	Wipe (P)	Methanol (ME)	Leave blank if no preservative is added.			
			Groundwater (GW)								

(7) Radioactive *** If yes, email rso@gel.com prior to shipment for approval. Isotopic data should be included in the email and with the sample shipment. ***										
(8) Known or Possible Hazards		RCRA Metals		Characteristic		Listed Waste		Other		Please provide any additional details below regarding handling and/or disposal concerns.
Identify the "Source of the Sample" material (e.g., NPDES discharge, waste material, stormwater, groundwater, Superfund Site etc.)	Arsenic (As)	Chromium (Cr)	Selenium (Se)	Flammable/Ignitable (FL)	Listed Waste (LW)	Other / Unknown (OT)				
	Barium (Ba)	Lead (Pb)	Silver (Ag)	Corrosive (CO)	(F, K, P and U-listed wastes.)	Description:				
	Cadmium (Cd)	Mercury (Hg)	Misc. RCRA (MR)	Reactive (RE)	Waste code(s):					
Is this sample known or suspected to be RCRA Hazardous? Yes [] No []		TSCA Regulated		Polychlorinated biphenyls (PCB)						

PO Number: GPC82177-0005 Project #: 1726990222 GEL Quote #: GEL Project Manager: Abigail Martin		GEL Laboratories LLC CHEMISTRY RADIOCHEMISTRY RADIOBIOASSAY SPECIALTY ANALYTICS 843.556.8171 2040 Savage Road Charleston, SC 29407 gel.com		Chain of Custody and Analytical Record (1) COC Number : 1 Page: 2 of 2 GEL Work Order Number: 762489 762492														
GEL Client Name: Georgia Power Phone Number: (937-344-6533) Project/Site Name: Plant Arkwright Ash Pond 1 Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308 Collected By: Devon Abuan, Jacob Ashe, Matt Britz, Peyton Hillman, Max Moore, Megan Stepaniuk Send Results To: jabraham@southernco.com ; EDD@stantec.com ; jennifer.kolbe@stantec.com		Turn Around Time Requested: Rush subject to surcharge. Standard: X Rush (Specify):		(5) Sample Analysis Requested Enter Analysis Requested like 8270 PAH or 6010 Metals		Enter total number of container(s) per test below the request on line that corresponds with the sample ID.												
Sample ID Each ID listed will be reported as a unique sample unless otherwise instructed. * For composites - indicate start and stop date time		Date Collected (mm-dd-yy)	Time Collected (Military) (hhmm)	(2) Field Filtered	(3) QC Code	(4) Sample Matrix	Should this sample be considered: (7) Radioactive (Y or N) (8) Known or possible Hazards	Total number of containers	*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, F, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cmbd	Mercury (7470B)	Fe2+/Mn2+ (6020B) Field Filtered	(6) Preservative Type	Comments (task_code: ARK-CCR-ASSMT-2026S1)
ARK-APIPZ-7	02-02-26	1818	N	N	WG			6	X		X	X	X	X				
ARK-APIPZ-9	02-02-26	1600	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, Ti
ARK-API-EB-01	02-02-26	1645	N	EB	WQ			6	X		X	X	X	X				
ARK-API-EB-02	02-02-26	1630	N	EB	WQ			6	X		X	X	X	X				
ARK-API-FD-02	02-02-26	1735	N	FD	WG			6	X		X	X	X	X				**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Ti
Chain of Custody Signatures																		
Relinquished By (Signed)		Date	Time	Received by (signed)		Date	Time	Select Deliverable: [] Results and QC Summary [] Calibration Summary [] Raw Data [] Standards Traceability										
1 [Signature]		2/3/26	0855	1 [Signature]		2/3/26	1330	EDD Required? [X] If yes, specify type.										
2				2 Kaitlyn Eriksson				Required Certification:										
3				3				Sample Collection Time Zone: [X] Eastern [] Pacific [] Central [] Mountain [] Other:										
For Lab Receiving Use Only: Custody Seal Intact? [] Yes [] No Cooler Temp: 0-1 °C								Additional Comments: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3										
For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)																		
(1) Chain of Custody Number		(3) QC Codes		(4) Matrix Codes				(6) Preservative Type										
Client Determined		Equipment Blank (EB) Matrix Spike (MS)		Biosolid (SB) Leachate (L) Soil (SO) Urine (U)				Ammonium Acetate (AM) Nitric Acid (NI) Sodium Thiosulfate (ST)										
(2) Field Filtered		Field Reagent Blank Matrix Spike Duplicate (MSD)		Concrete (C) Misc Liquid (ML) Solid Waste (SS) Vegetation (V)				Ascorbic Acid (AA) Sodium Hydroxide (SH) Sulfuric Acid (SA)										
For liquid matrices, indicate with a Y for yes the sample was field filtered.		Field Duplicate (DUP) Composite (C)		Drinking Water (DW) Oil (O) Storm Water (WS) Waste Water (WW)				Hexane (HX) Sodium Bisulfate (SBA) Trizma (TZ)										
		Trip Blank (TB) Grab (G)		Fecal (FC) Sediment (SD) Surface Water (SW) Water (W)				Hydrochloric Acid (HA) Sodium Bisulfite (SBI) Zinc Acetate (ZA)										
				Filter (F) Sludge (SL) Tissue (T) Wipe (P)				Methanol (ME)										
				Groundwater (GW)				Leave blank if no preservative is added.										
(7) Radioactive *** If yes, email rso@gel.com prior to shipment for approval. Isotopic data should be included in the email and with the sample shipment. ***																		
(8) Known or Possible Hazards		RCRA Metals				Characteristic		Listed Waste		Other		Please provide any additional details below regarding handling and/or disposal concerns						
Identify the "Source of the Sample" material		Arsenic (As) Chromium (Cr) Selenium (Se)		Flammable/Ignitable (FL)		Listed Waste (LW)		Other / Unknown (OT)										
(e.g., NPDES discharge, waste material, stormwater, groundwater, Superfund Site etc.)		Barium (Ba) Lead (Pb) Silver (Ag)		Corrosive (CO)		(F, K, P and U-listed wastes.)		Description:										
		Cadmium (Cd) Mercury (Hg) Misc. RCRA (MR)		Reactive (RE)		Waste code(s):												
		Is this sample known or suspected to be RCRA Hazardous?		TSCA Regulated														
		Yes [] No []		Polychlorinated biphenyls (PCB)														



Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC		SDG/AR/COC/Work Order: 762489 762492		GEL PM: AM	
Received By: KE		Date Received at GEL: 02/03/2026			
Carrier (Circle Applicable) FedEx Express FedEx Ground UPS Field Services Courier Client Other:		IR Temp gun # IR1-25 Daily Calibration Performed (X)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				
2	0				
3	1				
4	1				

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#: _____
B) Did the client designate the samples are to be received as radioactive?		☒	If UN2910, Is the Radioactive Shipment Survey Compliant? Yes ___ No ___
C) Did the RSO classify the samples as radioactive?		☒	COC notation or radioactive stickers on containers equal client designation.
		☒	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 05 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 Celsius
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: _____
6 Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)	☒	☒		If Preservation added, Lot#: _____ 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? he 2:3	☒	☒		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:
No time on "ARK-API-FD-02" samples

PM (or PMA) review: Initials **YJ** Date **02/04/2026**
☐ Continuation Form Required when selected

List of current GEL Certifications as of 17 February 2026

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	SC000122025-50
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

February 26, 2026

Chris Tidwell
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance Relog: Radiochemistry and Relog: RADIOCHEMISTRY
Work Orders: 762492 and 762753

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 03, 2026 and February 04, 2026. 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):

<u>Laboratory ID</u>	<u>Client ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
762492001	ARK-AP1GWA-1	Water	02/02/26 14:00	02/03/26 13:30
762492002	ARK-AP1GWA-2	Water	02/02/26 15:05	02/03/26 13:30
762492003	ARK-AP1GWC-6	Water	02/02/26 15:15	02/03/26 13:30
762492004	ARK-AP1GWC-7	Water	02/02/26 14:55	02/03/26 13:30
762492005	ARK-AP1GWC-8	Water	02/02/26 16:10	02/03/26 13:30
762492006	ARK-AP1PZ-1	Water	02/02/26 16:30	02/03/26 13:30
762492007	ARK-AP1PZ-2	Water	02/02/26 18:10	02/03/26 13:30
762492008	ARK-AP1PZ-3	Water	02/02/26 17:35	02/03/26 13:30
762492009	ARK-AP1PZ-4	Water	02/02/26 17:05	02/03/26 13:30
762492010	ARK-AP1PZ-5	Water	02/02/26 14:30	02/03/26 13:30
762492011	ARK-AP1PZ-7	Water	02/02/26 18:18	02/03/26 13:30
762492012	ARK-AP1PZ-9	Water	02/02/26 16:00	02/03/26 13:30
762492013	ARK-AP1-EB-01	Water	02/02/26 16:45	02/03/26 13:30
762492014	ARK-AP1-EB-02	Water	02/02/26 16:30	02/03/26 13:30
762492015	ARK-AP1-FD-02	Water	02/02/26 17:35	02/03/26 13:30
762753001	ARK-AP1PZ-8	Water	02/03/26 11:00	02/04/26 13:50



762753002	ARK-AP1PZ-10	Water	02/03/26 11:10	02/04/26 13:50
762753003	ARK-AP1PZ-11	Water	02/03/26 11:20	02/04/26 13:50
762753004	ARK-AP1-FD-01	Water	02/03/26 12:00	02/04/26 13:50
762753005	ARK-AP1-FB-01	Water	02/03/26 11:30	02/04/26 13:50
762753006	ARK-AP1-FB-02	Water	02/03/26 11:30	02/04/26 13:50

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

<u>Method</u>	<u>Run Date ID</u>
Calculation	25-FEB-2026
Calculation	26-FEB-2026
EPA 903.1 Modified	24-FEB-2026
EPA 903.1 Modified	25-FEB-2026
EPA 904.0/SW846 9320 Modified	11-FEB-2026
EPA 904.0/SW846 9320 Modified	24-FEB-2026

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. 4705.

Sincerely,

A handwritten signature in black ink, appearing to read "Kierra McKnight".

Kierra McKnight for
Abigail Martin
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: 762492 GEL Work Order: 762492

The Qualifiers in this report are defined as follows:

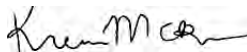
- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

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, Abigail Martin.

Reviewed by



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: 762753 GEL Work Order: 762753

The Qualifiers in this report are defined as follows:

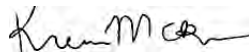
- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

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, Abigail Martin.

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: February 26, 2026

Contact: Chris Tidwell

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1GWA-1
Sample ID: 762492001
Matrix: WG
Collect Date: 02-FEB-26
Receive Date: 03-FEB-26
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
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Rad Gas Flow Proportional Counting

GFPC Ra228, Liquid "As Received"

Radium-228	U	1.42	+/-1.15	1.84	+/-1.21	3.00	pCi/L			CH7	02/24/26	0854	2939428	1
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Radium-226+Radium-228 Calculation "See Parent Products"

Radium-226+228 Sum		2.06	+/-1.18	1.84	+/-1.25		pCi/L			NXL1	02/26/26	0721	2939430	2
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Rad Radium-226

Lucas Cell, Ra226, Liquid "As Received"

Radium-226		0.638	+/-0.272	0.212	+/-0.309	1.00	pCi/L			AW6	02/25/26	0750	2942200	3
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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"	2939428	83	(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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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: February 26, 2026

Contact: Chris Tidwell

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1GWA-2

Project: GPCC01924

Sample ID: 762492002

Client ID: GPCC003

Matrix: WG

Collect Date: 02-FEB-26

Receive Date: 03-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	1.70	+/-1.22	1.93	+/-1.30	3.00	pCi/L			CH7	02/24/26	0854	2939428	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum		2.37	+/-1.26	1.93	+/-1.34		pCi/L			NXL1	02/26/26	0721	2939430	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226		0.667	+/-0.289	0.348	+/-0.312	1.00	pCi/L			AW6	02/25/26	0750	2942200	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"	2939428	77	(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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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: February 26, 2026

Contact: Chris Tidwell

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1GWC-6

Project: GPCC01924

Sample ID: 762492003

Client ID: GPCC003

Matrix: WG

Collect Date: 02-FEB-26

Receive Date: 03-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	1.13	+/-0.978	1.58	+/-1.02	3.00	pCi/L			CH7	02/24/26	0854	2939428	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum		1.83	+/-1.02	1.58	+/-1.07		pCi/L			NXL1	02/26/26	0721	2939430	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226		0.704	+/-0.275	0.199	+/-0.311	1.00	pCi/L			AW6	02/25/26	0750	2942200	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"	2939428	82.2	(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

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: February 26, 2026

Contact: Chris Tidwell

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1GWC-7

Project: GPCC01924

Sample ID: 762492004

Client ID: GPCC003

Matrix: WG

Collect Date: 02-FEB-26

Receive Date: 03-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	0.385	+/-1.10	1.97	+/-1.11	3.00	pCi/L			CH7	02/24/26	0854	2939428	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum	U	1.88	+/-1.17	1.97	+/-1.20		pCi/L			NXL1	02/26/26	0721	2939430	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226		1.50	+/-0.376	0.221	+/-0.451	1.00	pCi/L			AW6	02/25/26	0750	2942200	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"	2939428	84.1	(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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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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: February 26, 2026

Contact: Chris Tidwell

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1GWC-8

Project: GPCC01924

Sample ID: 762492005

Client ID: GPCC003

Matrix: WG

Collect Date: 02-FEB-26

Receive Date: 03-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	1.01	+/-1.14	1.90	+/-1.17	3.00	pCi/L			CH7	02/24/26	0854	2939428	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum	U	1.69	+/-1.17	1.90	+/-1.21		pCi/L			NXL1	02/26/26	0721	2939430	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226		0.672	+/-0.297	0.345	+/-0.317	1.00	pCi/L			AW6	02/25/26	0750	2942200	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"	2939428	72.2	(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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Atlanta, Georgia 30308

Report Date: February 26, 2026

Contact: Chris Tidwell

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1PZ-1

Project: GPCC01924

Sample ID: 762492006

Client ID: GPCC003

Matrix: WG

Collect Date: 02-FEB-26

Receive Date: 03-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	1.03	+/-1.01	1.65	+/-1.04	3.00	pCi/L			CH7	02/24/26	0854	2939428	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum		1.81	+/-1.05	1.65	+/-1.09		pCi/L			NXL1	02/26/26	0721	2939430	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226		0.771	+/-0.291	0.309	+/-0.323	1.00	pCi/L			AW6	02/25/26	0750	2942200	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"	2939428	85.6	(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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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Report Date: February 26, 2026

Contact: Chris Tidwell

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1PZ-2

Project: GPCC01924

Sample ID: 762492007

Client ID: GPCC003

Matrix: WG

Collect Date: 02-FEB-26

Receive Date: 03-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	0.339	+/-0.988	1.78	+/-0.992	3.00	pCi/L			CH7	02/24/26	0854	2939428	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum	U	0.426	+/-0.994	1.78	+/-0.998		pCi/L			NXL1	02/26/26	0721	2939430	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226	U	0.0877	+/-0.105	0.168	+/-0.106	1.00	pCi/L			AW6	02/25/26	0750	2942200	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"	2939428	81.4	(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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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Report Date: February 26, 2026

Contact: Chris Tidwell

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1PZ-3

Project: GPCC01924

Sample ID: 762492008

Client ID: GPCC003

Matrix: WG

Collect Date: 02-FEB-26

Receive Date: 03-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	0.323	+/-1.07	1.94	+/-1.08	3.00	pCi/L			CH7	02/24/26	0854	2939428	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum	U	1.10	+/-1.12	1.94	+/-1.13		pCi/L			NXL1	02/26/26	0721	2939430	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226		0.781	+/-0.316	0.277	+/-0.344	1.00	pCi/L			AW6	02/25/26	0750	2942200	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"	2939428	76.6	(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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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Report Date: February 26, 2026

Contact: Chris Tidwell

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1PZ-4

Project: GPCC01924

Sample ID: 762492009

Client ID: GPCC003

Matrix: WG

Collect Date: 02-FEB-26

Receive Date: 03-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	1.04	+/-1.16	1.95	+/-1.20	3.00	pCi/L			CH7	02/24/26	0854	2939428	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum	U	1.42	+/-1.18	1.95	+/-1.22		pCi/L			NXL1	02/26/26	0721	2939430	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226		0.376	+/-0.211	0.206	+/-0.218	1.00	pCi/L			AW6	02/25/26	0823	2942200	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"	2939428	80.8	(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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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Report Date: February 26, 2026

Contact: Chris Tidwell

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1PZ-5

Project: GPCC01924

Sample ID: 762492010

Client ID: GPCC003

Matrix: WG

Collect Date: 02-FEB-26

Receive Date: 03-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	0.876	+/-1.33	2.31	+/-1.35	3.00	pCi/L			CH7	02/24/26	0854	2939428	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum	U	1.31	+/-1.35	2.31	+/-1.37		pCi/L			NXL1	02/26/26	0721	2939430	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226		0.436	+/-0.225	0.254	+/-0.235	1.00	pCi/L			AW6	02/25/26	0823	2942200	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"	2939428	59.6	(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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Atlanta, Georgia 30308

Report Date: February 26, 2026

Contact: Chris Tidwell

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1PZ-7
Sample ID: 762492011
Matrix: WG
Collect Date: 02-FEB-26
Receive Date: 03-FEB-26
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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	1.22	+/-1.16	1.91	+/-1.21	3.00	pCi/L			CH7	02/24/26	0854	2939428	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum	U	1.68	+/-1.19	1.91	+/-1.24		pCi/L			NXL1	02/26/26	0721	2939430	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226		0.465	+/-0.234	0.210	+/-0.257	1.00	pCi/L			AW6	02/25/26	0823	2942200	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"	2939428	70.9	(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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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Atlanta, Georgia 30308

Report Date: February 26, 2026

Contact: Chris Tidwell

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1PZ-9

Project: GPCC01924

Sample ID: 762492012

Client ID: GPCC003

Matrix: WG

Collect Date: 02-FEB-26

Receive Date: 03-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	1.46	+/-1.28	2.08	+/-1.34	3.00	pCi/L			CH7	02/24/26	0854	2939428	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum	U	1.96	+/-1.31	2.08	+/-1.37		pCi/L			NXL1	02/26/26	0721	2939430	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226		0.500	+/-0.251	0.293	+/-0.262	1.00	pCi/L			AW6	02/25/26	0823	2942200	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"	2939428	71.1	(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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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Report Date: February 26, 2026

Contact: Chris Tidwell

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1-EB-01

Project: GPCC01924

Sample ID: 762492013

Client ID: GPCC003

Matrix: WQ

Collect Date: 02-FEB-26

Receive Date: 03-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	0.662	+/-1.10	1.92	+/-1.12	3.00	pCi/L			CH7	02/24/26	0854	2939428	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum	U	0.994	+/-1.13	1.92	+/-1.15		pCi/L			NXL1	02/26/26	0721	2939430	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226	U	0.332	+/-0.266	0.399	+/-0.271	1.00	pCi/L			AW6	02/25/26	0823	2942200	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"	2939428	75.3	(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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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Report Date: February 26, 2026

Contact: Chris Tidwell

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1-EB-02

Project: GPCC01924

Sample ID: 762492014

Client ID: GPCC003

Matrix: WQ

Collect Date: 02-FEB-26

Receive Date: 03-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228		3.27	+/-1.31	1.81	+/-1.58	3.00	pCi/L			CH7	02/24/26	0854	2939428	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum		3.60	+/-1.34	1.81	+/-1.60		pCi/L			NXL1	02/26/26	0721	2939430	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226	U	0.333	+/-0.261	0.392	+/-0.267	1.00	pCi/L			AW6	02/25/26	0823	2942200	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"	2939428	86.2	(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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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Report Date: February 26, 2026

Contact: Chris Tidwell

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1-FD-02

Project: GPCC01924

Sample ID: 762492015

Client ID: GPCC003

Matrix: WG

Collect Date: 02-FEB-26

Receive Date: 03-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228		3.00	+/-1.35	1.91	+/-1.57	3.00	pCi/L			CH7	02/24/26	0854	2939428	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum		3.85	+/-1.39	1.91	+/-1.61		pCi/L			NXL1	02/26/26	0721	2939430	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226		0.856	+/-0.301	0.198	+/-0.333	1.00	pCi/L			AW6	02/25/26	0823	2942200	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"	2939428	75.7	(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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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: February 25, 2026

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1PZ-8
Sample ID: 762753001
Matrix: WG
Collect Date: 03-FEB-26
Receive Date: 04-FEB-26
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														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	1.85	+/-1.42	2.24	+/-1.52	3.00	pCi/L			CH7	02/11/26	0802	2940358	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum	U	2.07	+/-1.46	2.24	+/-1.55		pCi/L		1	TON1	02/25/26	0711	2940375	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226	U	0.223	+/-0.336	0.597	+/-0.339	1.00	pCi/L			AW6	02/24/26	0857	2942201	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"	2940358	63	(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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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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: February 25, 2026

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1PZ-10

Project: GPCC01924

Sample ID: 762753002

Client ID: GPCC003

Matrix: WG

Collect Date: 03-FEB-26

Receive Date: 04-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	1.80	+/-1.29	2.03	+/-1.38	3.00	pCi/L			CH7	02/11/26	0802	2940358	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum		2.59	+/-1.38	2.03	+/-1.48		pCi/L		1	TON1	02/25/26	0711	2940375	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226		0.791	+/-0.498	0.505	+/-0.516	1.00	pCi/L			AW6	02/24/26	0857	2942201	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"	2940358	84.3	(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: February 25, 2026

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1PZ-11

Project: GPCC01924

Sample ID: 762753003

Client ID: GPCC003

Matrix: WG

Collect Date: 03-FEB-26

Receive Date: 04-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	0.883	+/-1.30	2.25	+/-1.33	3.00	pCi/L			CH7	02/11/26	0802	2940358	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum	U	1.29	+/-1.34	2.25	+/-1.37		pCi/L		1	TON1	02/25/26	0711	2940375	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226		0.408	+/-0.306	0.318	+/-0.315	1.00	pCi/L			AW6	02/24/26	0857	2942201	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"	2940358	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

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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: February 25, 2026

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1-FD-01

Project: GPCC01924

Sample ID: 762753004

Client ID: GPCC003

Matrix: WG

Collect Date: 03-FEB-26

Receive Date: 04-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	0.346	+/-0.893	1.64	+/-0.899	3.00	pCi/L			CH7	02/11/26	0803	2940358	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum	U	0.705	+/-0.940	1.64	+/-0.946		pCi/L		1	TON1	02/25/26	0711	2940375	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226		0.360	+/-0.292	0.324	+/-0.297	1.00	pCi/L			AW6	02/24/26	0857	2942201	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"	2940358	62.4	(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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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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: February 25, 2026

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1-FB-01

Project: GPCC01924

Sample ID: 762753005

Client ID: GPCC003

Matrix: WQ

Collect Date: 03-FEB-26

Receive Date: 04-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228		1.93	+/-1.13	1.63	+/-1.26	3.00	pCi/L			CH7	02/11/26	0803	2940358	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum		2.20	+/-1.17	1.63	+/-1.29		pCi/L		1	TON1	02/25/26	0711	2940375	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226	U	0.274	+/-0.274	0.386	+/-0.279	1.00	pCi/L			AW6	02/24/26	0857	2942201	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"	2940358	68.4	(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	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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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: February 25, 2026

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry and Relog: RADIOCHEMISTRY

Client Sample ID: ARK-AP1-FB-02

Project: GPCC01924

Sample ID: 762753006

Client ID: GPCC003

Matrix: WQ

Collect Date: 03-FEB-26

Receive Date: 04-FEB-26

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228		2.19	+/-1.15	1.65	+/-1.31	3.00	pCi/L			CH7	02/11/26	0803	2940358	1
<i>Radium-226+Radium-228 Calculation "See Parent Products"</i>														
Radium-226+228 Sum		2.19	+/-1.17	1.65	+/-1.32		pCi/L		1	TON1	02/25/26	0711	2940375	2
Rad Radium-226														
<i>Lucas Cell, Ra226, Liquid "As Received"</i>														
Radium-226	U	-0.108	+/-0.211	0.673	+/-0.211	1.00	pCi/L			AW6	02/24/26	0857	2942201	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"	2940358	72.4	(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

QC Summary

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

Report Date: February 25, 2026
Page 1 of 2

Contact: Atlanta, Georgia
Joju Abraham
Workorder: 762753

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	2940358										
QC1206370857	762692001	DUP									
Radium-228		U	1.07	U	0.312	pCi/L	0		N/A	CH7	02/11/2608:02
		Uncert:	+/-0.900		+/-0.958						
		TPU:	+/-0.950		+/-0.962						
QC1206370858	LCS										
Radium-228		61.3			57.6	pCi/L		94	(75%-125%)	CH7	02/11/2608:02
		Uncert:			+/-3.74						
		TPU:			+/-16.5						
QC1206370856	MB										
Radium-228				U	-0.867	pCi/L				CH7	02/11/2609:26
		Uncert:			+/-0.825						
		TPU:			+/-0.825						
Rad Ra-226											
Batch	2942201										
QC1206373760	762750006	DUP									
Radium-226		U	0.273		0.480	pCi/L	54.9		(0% - 100%)	AW6	02/24/2609:17
		Uncert:	+/-0.303		+/-0.360						
		TPU:	+/-0.308		+/-0.370						
QC1206373762	LCS										
Radium-226		27.2			21.0	pCi/L		77.2	(75%-125%)	AW6	02/24/2609:17
		Uncert:			+/-2.29						
		TPU:			+/-4.49						
QC1206373759	MB										
Radium-226				U	0.129	pCi/L				AW6	02/24/2608:57
		Uncert:			+/-0.183						
		TPU:			+/-0.185						
QC1206373761	762750006	MS									
Radium-226		134	U		0.273	pCi/L		84.5	(75%-125%)	AW6	02/24/2609:17
		Uncert:			+/-0.303						
		TPU:			+/-0.308						

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

GEL LABORATORIES LLC

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

QC Summary

Workorder: 762753

Page 2 of 2

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

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.

GEL LABORATORIES LLC

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

QC Summary

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

Report Date: February 26, 2026
Page 1 of 2

Atlanta, Georgia

Contact: Chris Tidwell

Workorder: 762492

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	2939428										
QC1206369264	762492001	DUP									
Radium-228		U	1.42	U	0.695	pCi/L	0		N/A	CH7	02/24/2608:54
		Uncert:	+/-1.15		+/-0.944						
		TPU:	+/-1.21		+/-0.962						
QC1206369265	LCS										
Radium-228		63.3			51.3	pCi/L		81	(75%-125%)	CH7	02/24/2611:46
		Uncert:			+/-4.91						
		TPU:			+/-14.5						
QC1206369263	MB										
Radium-228				U	0.0899	pCi/L				CH7	02/24/2608:54
		Uncert:			+/-0.789						
		TPU:			+/-0.789						
Rad Ra-226											
Batch	2942200										
QC1206373756	762492001	DUP									
Radium-226			0.638		0.751	pCi/L	16.3		(0% - 100%)	AW6	02/25/2608:56
		Uncert:	+/-0.272		+/-0.312						
		TPU:	+/-0.309		+/-0.345						
QC1206373758	LCS										
Radium-226		27.2			27.1	pCi/L		99.7	(75%-125%)	AW6	02/25/2608:56
		Uncert:			+/-1.70						
		TPU:			+/-4.56						
QC1206373755	MB										
Radium-226				U	0.144	pCi/L				AW6	02/25/2608:56
		Uncert:			+/-0.166						
		TPU:			+/-0.168						
QC1206373757	762492001	MS									
Radium-226		137	0.638		139	pCi/L		101	(75%-125%)	AW6	02/25/2608:56
		Uncert:	+/-0.272		+/-7.69						
		TPU:	+/-0.309		+/-29.3						

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

GEL LABORATORIES LLC

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

QC Summary

Workorder: 762492

Page 2 of 2

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

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 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.

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.

**Radiochemistry
Technical Case Narrative
Georgia Power Company
SDG #: 762753**

Product: Radium-226+Radium-228 Calculation

Analytical Method: Calculation

Analytical Procedure: GL-RAD-D-003 REV# 46

Analytical Batch: 2940375

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
762753001	ARK-APIPZ-8
762753002	ARK-APIPZ-10
762753003	ARK-APIPZ-11
762753004	ARK-API-FD-01
762753005	ARK-API-FB-01
762753006	ARK-API-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: 2940358

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
762753001	ARK-APIPZ-8
762753002	ARK-APIPZ-10
762753003	ARK-APIPZ-11
762753004	ARK-API-FD-01
762753005	ARK-API-FB-01
762753006	ARK-API-FB-02
1206370856	Method Blank (MB) Batch 2940358
1206370857	762692001(NonSDG) Sample Duplicate (DUP)
1206370858	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 1206370856 (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: 2942201

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
762753001	ARK-AP1PZ-8
762753002	ARK-AP1PZ-10
762753003	ARK-AP1PZ-11
762753004	ARK-AP1-FD-01
762753005	ARK-AP1-FB-01
762753006	ARK-AP1-FB-02
1206373759	Method Blank (MB) Batch 2942201
1206373760	762750006(ARK-ARGWA-24) Sample Duplicate (DUP)
1206373761	762750006(ARK-ARGWA-24) Matrix Spike (MS)
1206373762	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, 1206373761 (ARK-ARGWA-24MS), 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.

**Radiochemistry
Technical Case Narrative
Georgia Power Company
SDG #: 762492**

Product: Radium-226+Radium-228 Calculation

Analytical Method: Calculation

Analytical Procedure: GL-RAD-D-003 REV# 46

Analytical Batch: 2939430

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
762492001	ARK-APIGWA-1
762492002	ARK-APIGWA-2
762492003	ARK-APIGWC-6
762492004	ARK-APIGWC-7
762492005	ARK-APIGWC-8
762492006	ARK-APIPZ-1
762492007	ARK-APIPZ-2
762492008	ARK-APIPZ-3
762492009	ARK-APIPZ-4
762492010	ARK-APIPZ-5
762492011	ARK-APIPZ-7
762492012	ARK-APIPZ-9
762492013	ARK-API-EB-01
762492014	ARK-API-EB-02
762492015	ARK-API-FD-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: 2939428

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
762492001	ARK-APIGWA-1
762492002	ARK-APIGWA-2
762492003	ARK-APIGWC-6
762492004	ARK-APIGWC-7
762492005	ARK-APIGWC-8
762492006	ARK-APIPZ-1
762492007	ARK-APIPZ-2

762492008	ARK-APIPZ-3
762492009	ARK-APIPZ-4
762492010	ARK-APIPZ-5
762492011	ARK-APIPZ-7
762492012	ARK-APIPZ-9
762492013	ARK-API-EB-01
762492014	ARK-API-EB-02
762492015	ARK-API-FD-02
1206369263	Method Blank (MB) Batch 2939428
1206369264	762492001(ARK-APIGWA-1) Sample Duplicate (DUP)
1206369265	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 1206369265 (LCS) was recounted due to low recovery. 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: 2942200

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
762492001	ARK-APIGWA-1
762492002	ARK-APIGWA-2
762492003	ARK-APIGWC-6
762492004	ARK-APIGWC-7
762492005	ARK-APIGWC-8
762492006	ARK-APIPZ-1
762492007	ARK-APIPZ-2
762492008	ARK-APIPZ-3
762492009	ARK-APIPZ-4
762492010	ARK-APIPZ-5
762492011	ARK-APIPZ-7
762492012	ARK-APIPZ-9
762492013	ARK-API-EB-01
762492014	ARK-API-EB-02
762492015	ARK-API-FD-02
1206373755	Method Blank (MB) Batch 2942200
1206373756	762492001(ARK-APIGWA-1) Sample Duplicate (DUP)
1206373757	762492001(ARK-APIGWA-1) Matrix Spike (MS)
1206373758	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, 1206373757 (ARK-APIGWA-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.



Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC		SDG/AR/COC/Work Order: 762489 762492		GEL PM: AM	
Received By: KE		Date Received at GEL: 02/03/2026			
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				
2	0				
3	1				
4	1				

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#: _____		
B) Did the client designate the samples are to be received as radioactive?		☒	If UN2910, Is the Radioactive Shipment Survey Compliant? Yes ___ No ___		
C) Did the RSO classify the samples as radioactive?		☒	COC notation or radioactive stickers on containers equal client designation.		
		☒	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 05 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 Celsius
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? KE 2.3	☒	☒		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:
No time on Ark-API-FD-02 samples

PM (or PMA) review: Initials JS	Date 02/04/2026
☐ Continuation Form Required when selected	

GEL Laboratories LLC		SAMPLE RECEIPT & REVIEW FORM			
Client: <u>GPCC</u>		SDG/AR/COC/Work Order: <u>762751</u>		762753	
Received By: <u>CLM</u>		Date Received at GEL: <u>2/4/26</u>		GEL PM: <u>AM</u>	
Carrier (Circle Applicable) FedEx Express FedEx Ground UPS Field Services		Courier <u>Client</u> Other:		IR Temp gun # <u>IR5-23</u> Daily Calibration Performed <u>Y/N</u>	
Tracking Number		Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	
<u>Cooler 1</u>		<u>5°</u>		<u>Cooler 6</u>	
<u>2</u>		<u>0°</u>		<u>7</u>	
<u>3</u>		<u>0°</u>			
<u>4</u>		<u>0°</u>			
<u>5</u>		<u>0°</u>			
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#: _____	
B) Did the client designate the samples to be received as radioactive?		☒	☐	If UN2910, Is the Radioactive Shipment Survey Compliant? Yes ___ No ___	
C) Did the RSO classify the samples as radioactive?		☒	☐	COC notation or radioactive stickers on containers equal client designation.	
D) Are there any sample hazards to document?		☒	☐	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0</u> CPM/mR/Hr	
E) Was a SDS received and reviewed by Lab Safety?		☒	☐	Classified as: Rad 1 Rad 2 Rad 3	
		☒	☐	If yes, select Hazards below: PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:	
		☒	☐	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: <u>Wet Ice</u> Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celsius
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:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)	☒	☐	☐	If Preservation added, Lot#: _____ 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 <u>RM</u> Date <u>2/4/26</u>					
☐ Continuation Form Required when selected					

List of current GEL Certifications as of 25 February 2026

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	2026-139
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	SC000122025-50
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

List of current GEL Certifications as of 26 February 2026

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	2026-139
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	SC000122025-50
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

Sample Receipt Acknowledgement

SDG/Report# Project ID	762489 Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 1	Client	Georgia Power Company
PO Number Project Manager Receive Date Prelim. Due Report Due EDD Required EDD Name Chain of Custody Turn Days	GPC82177-0005 Abigail Martin 03-FEB-26 13:30 17-FEB-2026 Y EFWEDD_FSample_GPCC_RAD_R5, GPCC_Sample 10(Working)	Report To Invoice To	Joju Abraham Georgia Power Company, Southern Company 241 Ralph McGill Blvd NE, Bin 10160 Atlanta, Georgia 30308 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
762489001	ARK-AP1GWA-1	WG	02-FEB-26 14:00	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6
762489002	ARK-AP1GWA-2	WG	02-FEB-26 15:05	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6
762489003	ARK-AP1GWC-6	WG	02-FEB-26 15:15	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6
762489004	ARK-AP1GWC-7	WG	02-FEB-26 14:55	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6
762489005	ARK-AP1GWC-8	WG	02-FEB-26 16:10	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6
762489006	ARK-AP1PZ-1	WG	02-FEB-26 16:30	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6
762489007	ARK-AP1PZ-2	WG	02-FEB-26 18:10	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6
762489008	ARK-AP1PZ-3	WG	02-FEB-26 17:35	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6

Sample Receipt Acknowledgement

SDG/Report#	762489	Client	Georgia Power Company
Project ID	Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 1		

GEL ID	Sample ID	Matrix	Collection Date	Analysis Requested, Rpt. Basis, (due date, if applicable)	Cntrs
762489009	ARK-AP1PZ-4	WG	02-FEB-26 17:05	SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet	6
762489010	ARK-AP1PZ-5	WG	02-FEB-26 14:30	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6
762489011	ARK-AP1PZ-7	WG	02-FEB-26 18:18	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6
762489012	ARK-AP1PZ-9	WG	02-FEB-26 16:00	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6
762489013 Field Blank	ARK-AP1-EB-01	WQ	02-FEB-26 16:45	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6
762489014 Field Blank	ARK-AP1-EB-02	WQ	02-FEB-26 16:30	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6
762489015 Field Dup	ARK-AP1-FD-02	WG	02-FEB-26 17:35	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6

Sample Receipt Acknowledgement

SDG/Report#	762489	Client	Georgia Power Company
Project ID	Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 1		

Analyte List

Analysis: SM2540C Dissolved Solids

Reference:

Method(s): SM 2540C

Analyte	CAS No.	MDL	Reporting Limit
Total Dissolved Solids	E1642222	3.4 mg/L	14.3 mg/L

Analysis: EPA 300.0 Anions Liquid

Reference: Cl

Method(s): EPA 300.0

Analyte	CAS No.	MDL	Reporting Limit
Chloride	16887-00-6	0.067 mg/L	0.2 mg/L
Fluoride	16984-48-8	0.033 mg/L	0.1 mg/L
Sulfate	14808-79-8	0.133 mg/L	0.4 mg/L

Analysis: 7470 Cold Vapor Mercury, Liquid

Reference:

Method(s): SW846 7470A

Analyte	CAS No.	MDL	Reporting Limit
Mercury	7439-97-6	6.7E-5 mg/L	0.0002 mg/L

Analysis: SW846 3005A/6020B Total Metals**

Reference: Add Hg-2025 List NO AG!

Method(s): SW846 3005A/6020B

Analyte	CAS No.	MDL	Reporting Limit
Antimony	7440-36-0	0.001 mg/L	0.003 mg/L
Arsenic	7440-38-2	0.002 mg/L	0.005 mg/L
Barium	7440-39-3	6.7E-4 mg/L	0.004 mg/L
Beryllium	7440-41-7	2.0E-4 mg/L	0.0005 mg/L
Boron	7440-42-8	0.0052 mg/L	0.015 mg/L
Cadmium	7440-43-9	3.0E-4 mg/L	0.001 mg/L
Calcium	7440-70-2	0.08 mg/L	0.2 mg/L
Chromium	7440-47-3	0.003 mg/L	0.01 mg/L
Cobalt	7440-48-4	3.0E-4 mg/L	0.001 mg/L
Lead	7439-92-1	5.0E-4 mg/L	0.002 mg/L
Lithium	7439-93-2	0.003 mg/L	0.01 mg/L
Molybdenum	7439-98-7	2.0E-4 mg/L	0.001 mg/L
Selenium	7782-49-2	0.0015 mg/L	0.005 mg/L
Thallium	7440-28-0	6.0E-4 mg/L	0.002 mg/L

PO Number: GPC82177-0005
Project #: 1726990222
GEL Quote #:
GEL Project Manager: Abigail Martin

GEL

Laboratories LLC

CHEMISTRYRADIOCHEMISTRYRADIOBIOASSAYSPECIALTY ANALYTICS

843.556.81712040 Savage Road | Charleston, SC 29407gel.com

Chain of Custody and Analytical Record
(1) COC Number :
Page: 1 of 2
GEL Work Order Number:

GEL Client Name: Georgia Power
Phone Number: (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond 1
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Devon Abuan, Jacob Ashe, Matt Britz, Peyton Hillman, Max Moore, Megan Stepaniuk
Send Results To: jabraham@southernco.com ; EDD@stantec.com ; jennifer.kolbe@stantec.com

Turn Around Time Requested.
Rush subject to surcharge.
Standard: X
Rush (Specify):

(5) Sample Analysis Requested
Enter Analysis Requested like 8270 PAH or 6010 Metals

Enter total number of container(s) per test below the request on line that corresponds with the sample ID.

< (6) Preservative Type

Sample ID	Date Collected	Time Collected	(2)	(3)	(4)	(7)	(8)	Total number of containers	*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, F, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cmbd	Mercury (7470B)	Fe2+/Mn2+ (6020B) Field Filtered	Comments (task_code: ARK-CCR-ASSMT-2026S1)
Each ID listed will be reported as a unique sample unless otherwise instructed. * For composites - indicate start and stop date/time	(mm-dd-yy)	(Military) (hhmm)	Field Filtered	QC Code	Sample Matrix	Radioactive (Y or N)	Known or possible Hazards										
ARK-APIGWA-1	02-02-26	1400	N	N	WG			6	X		X	X	X	X			
ARK-APIGWA-2	02-02-26	1505	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, Ti
ARK-APIGWC-6	02-02-26	1515	N	N	WG			6	X		X	X	X	X			
ARK-APIGWC-7	02-02-26	1455	N	N	WG			6	X		X	X	X	X			
ARK-APIGWC-8	02-02-26	1610	N	N	WG			6	X		X	X	X	X			
ARK-APIPZ-1	02-02-26	1630	N	N	WG			6	X		X	X	X	X			**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Ti
ARK-APIPZ-2	02-02-26	1810	N	N	WG			6	X		X	X	X	X			
ARK-APIPZ-3	02-02-26	1735	N	N	WG			6	X		X	X	X	X			
ARK-APIPZ-4	02-02-26	1705	N	N	WG			6	X		X	X	X	X			
ARK-APIPZ-5	02-02-26	1430	N	N	WG			6	X		X	X	X	X			

Chain of Custody Signatures

Relinquished By (Signed) Date Time
1 Paul Blum 2/3/26 0855
2
3

Received by (signed) Date Time
1 Kaitlyn Eriksson 2/3/26 1330
2
3

Select Deliverable: [] Results and QC Summary [] Calibration Summary [] Raw Data [] Standards Traceability
EDD Required? [X] If yes, specify type.
Required Certification:
Sample Collection Time Zone: [X] Eastern [] Pacific [] Central [] Mountain [] Other:
Additional Comments: 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.)

(1) Chain of Custody Number

(3) QC Codes

(4) Matrix Codes

(6) Preservative Type

Client Determined
(2) Field Filtered
For liquid matrices, indicate with a Y for yes the sample was field filtered.

Equipment Blank (EB)
Field Reagent Blank
Field Duplicate (DUP)
Trip Blank (TB)
Matrix Spike (MS)
Matrix Spike Duplicate (MSD)
Composite (C)
Grab (G)

Biosolid (SB)
Concrete (C)
Drinking Water (DW)
Fecal (FC)
Filter (F)
Groundwater (GW)
Leachate (L)
Misc Liquid (ML)
Oil (O)
Sediment (SD)
Sludge (SL)
Tissue (T)
Urine (U)
Vegetation (V)
Waste Water (WW)
Water (W)
Wipe (P)
Solid Waste (SS)
Storm Water (WS)
Surface Water (SW)
Tissue (T)

Ammonium Acetate (AM)
Ascorbic Acid (AA)
Hexane (HX)
Hydrochloric Acid (HA)
Methanol (ME)
Nitric Acid (NI)
Sodium Hydroxide (SH)
Sodium Bisulfate (SBA)
Sodium Bisulfite (SBI)
Nitric Acid (NI)
Sulfuric Acid (SA)
Trizma (TZ)
Zinc Acetate (ZA)

Leave blank if no preservative is added.

(7) Radioactive *** If yes, email rso@gel.com prior to shipment for approval. Isotopic data should be included in the email and with the sample shipment. ***
(8) Known or Possible Hazards

Identify the "Source of the Sample" material
(e.g., NPDES discharge, waste material, stormwater, groundwater, Superfund Site etc.)

Is this sample known or suspected to be RCRA Hazardous?
Yes [] No []

Characteristic
Flammable/Ignitable (FL)
Corrosive (CO)
Reactive (RE)
TSCA Regulated
Polychlorinated biphenyls (PCB)

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

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

Please provide any additional details below regarding handling and/or disposal concerns.

[illegible]



Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC		SDG/AR/COC/Work Order: 762489 762492		GEL PM: AM	
Received By: KE		Date Received at GEL: 02/03/2026			
Carrier (Circle Applicable) FedEx Express FedEx Ground UPS Field Services Courier Client Other:		IR Temp gun # IR1-25 Daily Calibration Performed (X) 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				
2	0				
3	1				
4	1				

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#: _____
B) Did the client designate the samples are to be received as radioactive?		☒	If UN2910, Is the Radioactive Shipment Survey Compliant? Yes ___ No ___
C) Did the RSO classify the samples as radioactive?		☒	COC notation or radioactive stickers on containers equal client designation.
		☒	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 05 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 Celsius
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: _____
6 Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)	☒	☒		If Preservation added, Lot#: _____ 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? KE 2:3	☒	☒		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: **No time on "ARK-API-FD-02" samples**

PM (or PMA) review: Initials **KE** Date **02/04/2026**
☐ Continuation Form Required when selected

Sample Receipt Acknowledgement

SDG/Report#	762492	Client	Georgia Power Company
Project ID	Arkwright CCR Groundwater Compliance Relog: Radiochemistry		
PO Number	GPC82177-0005	Report To	Joju Abraham Georgia Power Company, Southern Company 241 Ralph McGill Blvd NE, Bin 10160 Atlanta, Georgia 30308
Project Manager	Abigail Martin		
Receive Date	03-FEB-26 13:30		
Prelim. Due			
Report Due	03-MAR-2026		
EDD Required	Y	Invoice To	Southern Accounts Payable - GPC Georgia Power, Southern Company PO Box 830961
EDD Name	EFWEDD_FSample_GPCC_RAD_R5,		
Chain of Custody	GPCC_Sample		
Turn Days	20(Working)		Birmingham, Alabama 35283

GEL ID	Sample ID	Matrix	Collection Date	Analysis Requested, Rpt. Basis, (due date, if applicable)	Cntrs
762492001	ARK-AP1GWA-1	WG	02-FEB-26 14:00	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762492002	ARK-AP1GWA-2	WG	02-FEB-26 15:05	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762492003	ARK-AP1GWC-6	WG	02-FEB-26 15:15	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762492004	ARK-AP1GWC-7	WG	02-FEB-26 14:55	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762492005	ARK-AP1GWC-8	WG	02-FEB-26 16:10	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762492006	ARK-AP1PZ-1	WG	02-FEB-26 16:30	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762492007	ARK-AP1PZ-2	WG	02-FEB-26 18:10	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762492008	ARK-AP1PZ-3	WG	02-FEB-26 17:35	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762492009	ARK-AP1PZ-4	WG	02-FEB-26 17:05	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762492010	ARK-AP1PZ-5	WG	02-FEB-26 14:30	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6

Sample Receipt Acknowledgement

SDG/Report#	762492	Client	Georgia Power Company
Project ID	Arkwright CCR Groundwater Compliance Relog: Radiochemistry		

GEL ID	Sample ID	Matrix	Collection Date	Analysis Requested, Rpt. Basis, (due date, if applicable)	Cntrs
762492011	ARK-AP1PZ-7	WG	02-FEB-26 18:18	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762492012	ARK-AP1PZ-9	WG	02-FEB-26 16:00	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762492013 Field Blank	ARK-AP1-EB-01	WQ	02-FEB-26 16:45	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762492014 Field Blank	ARK-AP1-EB-02	WQ	02-FEB-26 16:30	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762492015 Field Dup	ARK-AP1-FD-01	WG	02-FEB-26 17:35	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6

Analyte List

Analysis: Radium-226+Radium-228 Calculation

Reference: Use product group

Method(s): Calculation

Analyte	CAS No.	Reporting Limit
Radium-226+228 Sum	E701037	

Analysis: GFPC Ra228, Liquid

Reference: Use product group

Method(s): EPA 904.0/SW846 9320 Modified

Analyte	CAS No.	Reporting Limit
Radium-228	15262-20-1	3 pCi/L

Analysis: Lucas Cell, Ra226, Liquid

Reference: Use product group

Method(s): EPA 903.1 Modified

Analyte	CAS No.	Reporting Limit
Radium-226	13982-63-3	1 pCi/L

PO Number: GPC82177-0005 Project #: 1726990222 GEL Quote #: GEL Project Manager: Abigail Martin		GEL Laboratories LLC CHEMISTRYRADIOCHEMISTRYRADIOBIOASSAYSPECIALTY ANALYTICS 843.556.81712040 Savage Road Charleston, SC 29407gel.com		Chain of Custody and Analytical Record (1) COC Number : 1 Page: 1 of 2 GEL Work Order Number: 762489762492														
GEL Client Name: Georgia Power Phone Number: (937-344-6533) Project/Site Name: Plant Arkwright Ash Pond 1 Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308 Collected By: Devon Abuan, Jacob Ashe, Matt Britz, Peyton Hillman, Max Moore, Megan Stepaniuk Send Results To: jabraham@southernco.com ; EDD@stantec.com ; jennifer.kolbe@stantec.com		Turn Around Time Requested. Rush subject to surcharge. Standard: X Rush (Specify):		(5) Sample Analysis Requested Enter Analysis Requested like 8270 PAH or 6010 Metals		Enter total number of container(s) per test below the request on line that corresponds with the sample ID.												
Sample ID Each ID listed will be reported as a unique sample unless otherwise instructed. * For composites - indicate start and stop date time		Date Collected (mm-dd-yy)	Time Collected (Military) (hhmm)	(2) Field Filtered	(3) QC Code	(4) Sample Matrix	Should this sample be considered: (7) Radiactive (Y or N) (8) Known or possible Hazards	Total number of containers	*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, F, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cnhd	Mercury (7470B)	Fe2+/Mn2+ (6020B) Field Filtered	< (6) Preservative Type	Comments (task_code: ARK-CCR-ASSMT-2026S1)
ARK-APIGWA-1	02-02-26	1400	N	N	WG			6	X		X	X	X	X				
ARK-APIGWA-2	02-02-26	1505	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, Ti
ARK-APIGWC-6	02-02-26	1515	N	N	WG			6	X		X	X	X	X				
ARK-APIGWC-7	02-02-26	1455	N	N	WG			6	X		X	X	X	X				
ARK-APIGWC-8	02-02-26	1610	N	N	WG			6	X		X	X	X	X				**Metals: B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Ti
ARK-APIPZ-1	02-02-26	1630	N	N	WG			6	X		X	X	X	X				
ARK-APIPZ-2	02-02-26	1810	N	N	WG			6	X		X	X	X	X				
ARK-APIPZ-3	02-02-26	1735	N	N	WG			6	X		X	X	X	X				
ARK-APIPZ-4	02-02-26	1705	N	N	WG			6	X		X	X	X	X				
ARK-APIPZ-5	02-02-26	1430	N	N	WG			6	X		X	X	X	X				
Chain of Custody Signatures									Select Deliverable: [] Results and QC Summary [] Calibration Summary [] Raw Data [] Standards Traceability									
Relinquished By (Signed) Date Time			Received by (signed) Date Time			EDD Required? [X] If yes, specify type.												
1 Paul Blum 2/3/26 0855			1 Kaitlyn Eriksson 2/3/26 1330			Required Certification:												
2			2 Kaitlyn Eriksson			Sample Collection Time Zone: [X] Eastern [] Pacific [] Central [] Mountain [] Other:												
3			3			Additional Comments: 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.)									
(1) Chain of Custody Number		(3) QC Codes		(4) Matrix Codes			(6) Preservative Type											
Client Determined		Equipment Blank (EB) Matrix Spike (MS)		Biosolid (SB) Leachate (L) Soil (SO) Urine (U)			Ammonium Acetate (AM) Nitric Acid (NI) Sodium Thiosulfate (ST)											
(2) Field Filtered		Field Reagent Blank Matrix Spike Duplicate (MSD)		Concrete (C) Misc Liquid (ML) Solid Waste (SS) Vegetation (V)			Ascorbic Acid (AA) Sodium Hydroxide (SH) Sulfuric Acid (SA)											
For liquid matrices, indicate with a Y for yes the sample was field filtered.		Field Duplicate (DUP) Composite (C) Trip Blank (TB) Grab (G)		Drinking Water (DW) Oil (O) Storm Water (WS) Waste Water (WW)			Hexane (HX) Sodium Bisulfate (SBA) Trizma (TZ)											
				Fecal (FC) Sediment (SD) Surface Water (SW) Water (W)			Hydrochloric Acid (HA) Sodium Bisulfite SBI Zinc Acetate (ZA)											
				Filter (F) Sludge (SL) Tissue (T) Wipe (P)			Methanol (ME)											
				Groundwater (GW)			Leave blank if no preservative is added.											
(7) Radioactive *** If yes, email rso@gel.com prior to shipment for approval. Isotopic data should be included in the email and with the sample shipment ***																		
(8) Known or Possible Hazards		RCRA Metals			Characteristic			Listed Waste		Other			Please provide any additional details below regarding handling and/or disposal concerns.					
Identify the "Source of the Sample" material (e.g., NPDES discharge, waste material, stormwater, groundwater, Superfund Site etc.)		Arsenic (As) Chromium (Cr) Selenium (Se) Barium (Ba) Lead (Pb) Silver (Ag) Cadmium (Cd) Mercury (Hg) Misc. RCRA (MR)			Flammable/Ignitable (FL) Corrosive (CO) Reactive (RE)			Listed Waste (LW) (F, K, P and U-listed wastes.) Waste code(s):		Other / Unknown (OT) (i.e.: asbestos, beryllium, High low pH, irritants, other misc. health hazards, etc.) Description:								
		Is this sample known or suspected to be RCRA Hazardous? Yes [] No []			TSCA Regulated Polychlorinated biphenyls (PCB)													

[illegible]



Client: GPCC		SDG/AR/COC/Work Order: 762489 762492		GEL PM: AM	
Received By: KE		Date Received at GEL: 02/03/2026			
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	
COOLER 1		0			
2		0			
3		1			
4		1			
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#: _____	
B) Did the client designate the samples are to be received as radioactive?			☒	If UN2910, Is the Radioactive Shipment Survey Compliant? Yes ☐ No ☐	
C) Did the RSO classify the samples as radioactive?			☒	COC notation or radioactive stickers on containers equal client designation.	
			☒	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: _____
4	Sample containers intact and sealed?	☒	☒		*all temperatures recorded next to tracking numbers are in Celsius
5	Samples requiring chemical preservation at proper pH?	☒	☒		Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)	☒	☒		Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot# _____ 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? HE 2:3	☒	☒		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: No time on "Ark-API-FB-02" samples					
PM (or PMA) review: Initials YJ Date 02/04/2026					
☐ Continuation Form Required when selected					

Sample Receipt Acknowledgement

SDG/Report# Project ID	762751 Arkwright CCR Groundwater Compliance	Client	Georgia Power Company
PO Number Project Manager Receive Date Prelim. Due Report Due EDD Required EDD Name Chain of Custody Turn Days	GPC82177-0005 Abigail Martin 04-FEB-26 13:50 18-FEB-2026 Y EFWEDD_FSample_GPCC_RAD_R5, GPCC_Sample 10(Working)	Report To Invoice To	Joju Abraham Georgia Power Company, Southern Company 241 Ralph McGill Blvd NE, Bin 10160 Atlanta, Georgia 30308 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
762751001	ARK-AP1PZ-8	WG	03-FEB-26 11:00	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6
762751002	ARK-AP1PZ-10	WG	03-FEB-26 11:10	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6
762751003	ARK-AP1PZ-11	WG	03-FEB-26 11:20	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6
762751004 Field Dup	ARK-AP1-FD-01	WG	03-FEB-26 12:00	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6
762751005 Field Blank	ARK-AP1-FB-01	WQ	03-FEB-26 11:30	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6
762751006 Field Blank	ARK-AP1-FB-02	WQ	03-FEB-26 11:30	EPA 300.0 Anions Liquid, Wet 7470 Cold Vapor Mercury, Liquid, Wet SM2540C Dissolved Solids, Wet SW846 3005A/6020B Total Metals**, Wet	6

Sample Receipt Acknowledgement

SDG/Report# Project ID	762751 Arkwright CCR Groundwater Compliance	Client	Georgia Power Company
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Analyte List

Analysis: SM2540C Dissolved Solids

Reference:

Method(s): SM 2540C

Analyte	CAS No.	MDL	Reporting Limit
Total Dissolved Solids	E1642222	3.4 mg/L	14.3 mg/L

Analysis: EPA 300.0 Anions Liquid

Reference: Cl

Method(s): EPA 300.0

Analyte	CAS No.	MDL	Reporting Limit
Chloride	16887-00-6	0.067 mg/L	0.2 mg/L
Fluoride	16984-48-8	0.033 mg/L	0.1 mg/L
Sulfate	14808-79-8	0.133 mg/L	0.4 mg/L

Analysis: 7470 Cold Vapor Mercury, Liquid

Reference:

Method(s): SW846 7470A

Analyte	CAS No.	MDL	Reporting Limit
Mercury	7439-97-6	6.7E-5 mg/L	0.0002 mg/L

Analysis: SW846 3005A/6020B Total Metals**

Reference: Add Hg-2025 List

Method(s): SW846 3005A/6020B

Analyte	CAS No.	MDL	Reporting Limit
Antimony	7440-36-0	0.001 mg/L	0.003 mg/L
Arsenic	7440-38-2	0.002 mg/L	0.005 mg/L
Barium	7440-39-3	6.7E-4 mg/L	0.004 mg/L
Beryllium	7440-41-7	2.0E-4 mg/L	0.0005 mg/L
Boron	7440-42-8	0.0052 mg/L	0.015 mg/L
Cadmium	7440-43-9	3.0E-4 mg/L	0.001 mg/L
Calcium	7440-70-2	0.08 mg/L	0.2 mg/L
Chromium	7440-47-3	0.003 mg/L	0.01 mg/L
Cobalt	7440-48-4	3.0E-4 mg/L	0.001 mg/L
Lead	7439-92-1	5.0E-4 mg/L	0.002 mg/L
Lithium	7439-93-2	0.003 mg/L	0.01 mg/L
Molybdenum	7439-98-7	2.0E-4 mg/L	0.001 mg/L
Selenium	7782-49-2	0.0015 mg/L	0.005 mg/L
Silver	7440-22-4	3.0E-4 mg/L	0.001 mg/L
Thallium	7440-28-0	6.0E-4 mg/L	0.002 mg/L

GEL Laboratories LLC		SAMPLE RECEIPT & REVIEW FORM			
Client: <u>GPRC</u>		SDG/AR/COC/Work Order: <u>762753</u>		GEL PM: <u>ARM</u>	
Received By: <u>CLM</u>		Date Received at GEL: <u>2/9/26</u>			
Carrier (Circle Applicable): FedEx Express FedEx Ground UPS Field Services <u>Courier</u> Client Other:					
		IR Temp gun # <u>IR5-23</u>		Daily Calibration Performed: <u>Y</u> <u>N</u>	

Tracking Number	Temp (C)	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radlochem only).
<u>Cooler 1</u>	<u>5°</u>	<u>Cooler 6</u>	<u>0°</u>	
<u>2</u>	<u>0°</u>	<u>7</u>	<u>0°</u>	
<u>3</u>	<u>0°</u>			
<u>4</u>	<u>0°</u>			
<u>5</u>	<u>0°</u>			

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): _____ Classified as: Rad 1 Rad 2 Rad 3 If yes, select Hazards below: PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other: _____
D) Are there any sample hazards to document?		☒	Circle Applicable: See additional Comments below. No additional comments needed after review.
E) Was a SDS received and reviewed by Lab Safety?		☒	

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: <u>Wet Ice</u> Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celsius
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, List:
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 RM Date 2/9/26
☐ Continuation Form Required when selected

Sample Receipt Acknowledgement

SDG/Report#	762753	Client	Georgia Power Company
Project ID	Arkwright CCR Groundwater Compliance Relog: RADIOCHEMISTRY		
PO Number	GPC82177-0005	Report To	Joju Abraham Georgia Power Company, Southern Company 241 Ralph McGill Blvd NE, Bin 10160 Atlanta, Georgia 30308
Project Manager	Abigail Martin		
Receive Date	04-FEB-26 13:50		
Prelim. Due			
Report Due	04-MAR-2026		
EDD Required	Y	Invoice To	Southern Accounts Payable - GPC Georgia Power, Southern Company PO Box 830961
EDD Name	EFWEDD_FSample_GPCC_RAD_R5,		
Chain of Custody	GPCC_Sample		
Turn Days	20(Working)		Birmingham, Alabama 35283

GEL ID	Sample ID	Matrix	Collection Date	Analysis Requested, Rpt. Basis, (due date, if applicable)	Cntnrs
762753001	ARK-AP1PZ-8	WG	03-FEB-26 11:00	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762753002	ARK-AP1PZ-10	WG	03-FEB-26 11:10	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762753003	ARK-AP1PZ-11	WG	03-FEB-26 11:20	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762753004 Field Dup	ARK-AP1-FD-01	WG	03-FEB-26 12:00	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762753005 Field Blank	ARK-AP1-FB-01	WQ	03-FEB-26 11:30	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6
762753006 Field Blank	ARK-AP1-FB-02	WQ	03-FEB-26 11:30	Radium-226+Radium-228 Calculation, Wet GFPC Ra228, Liquid, Wet Lucas Cell, Ra226, Liquid, Wet	6

Sample Receipt Acknowledgement

SDG/Report#	762753	Client	Georgia Power Company
Project ID	Arkwright CCR Groundwater Compliance Relog: RADIOCHEMISTRY		

Analyte List

Analysis: Radium-226+Radium-228 Calculation

Reference: Use product group

Method(s): Calculation

Analyte	CAS No.	Reporting Limit
Radium-226+228 Sum	E701037	

Analysis: GFPC Ra228, Liquid

Reference: Use product group

Method(s): EPA 904.0/SW846 9320 Modified

Analyte	CAS No.	Reporting Limit
Radium-228	15262-20-1	3 pCi/L

Analysis: Lucas Cell, Ra226, Liquid

Reference: Use product group

Method(s): EPA 903.1 Modified

Analyte	CAS No.	Reporting Limit
Radium-226	13982-63-3	1 pCi/L

PO Number: GPC82177-0005

Project #: 1726990222

GEL Quote #:

GEL Project Manager: Abigail Martin

762748 km
2/19/26

GEL

Laboratories LLC

CHEMISTRY

RADIOCHEMISTRY

RADIOBIOASSAY

SPECIALTY ANALYTICS

843.556.8171

762750



2040 Savage Road | Charleston, SC 29407



gel.com

Chain of Custody and Analytical Record

(1) COC Number:

2

Page: 1 of 1

GEL Work Order Number:

762751
762753

GEL Client Name: Georgia Power

Phone Number: (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond 1

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jacob Ashe, Max Moore, Megan Stepaniuk

Send Results To: jabraham@southernco.com ; EDD@stantec.com ; jennifer.kolbe@stantec.com

Turn Around Time Requested.

Rush subject to surcharge.

Standard: X

Rush (Specify):

(5) Sample Analysis Requested

Enter Analysis Requested like 8270 PAH or 6010 Metals

Enter total number of containers per test below the request on line that corresponds with the sample ID.

(6) Preservative Type

Comments
(task_code: ARK-CCR-ASSMT-2026S1)

Sample ID

Each ID listed will be reported as a unique sample unless otherwise instructed.

* For composites - indicate start and stop date/time

*Date Collected

(mm-dd-yy)

*Time Collected

(Military)
(hhmm)

(2)

Field
Filtered

(3)

QC Code

(4)

Sample
MatrixShould this sample
be considered:

(7)

Radioactive
(Y or N)

(8)

Known or
possible
Hazards

Total number of containers

*Metals (6020B)

**Metals (6020B)

Alkalinity (300.0 R2.1)
see Additional Remarks

TDS (SM Method 2540C)

Anions (Cl, F, Sulfate)
(300.0 Rev. 2.1 1993)

RAD 226-228 Cmbd

Mercury (7470B)

Fe2+/Mn2+ (6020B)
Field Filtered

ARK-APIZ-8

02-03-26

1100

N

N

WG

6

X

X

X

X

X

X

ARK-APIZ-10

02-03-26

1110

N

N

WG

6

X

X

X

X

X

X

ARK-APIZ-11

02-03-26

1120

N

N

WG

6

X

X

X

X

X

X

ARK-API-FD-01

02-03-26

-

N

FD

WG

6

X

X

X

X

X

X

ARK-API-FB-01

02-03-26

1130

N

FB

WQ

6

X

X

X

X

X

X

ARK-API-FB-02

02-03-26

1130

N

FB

WQ

6

X

X

X

X

X

X

Chain of Custody Signatures

Relinquished By (Signed)

Date

Time

Received by (signed)

Date

Time

Select Deliverable: [] Results and QC Summary [] Calibration Summary [] Raw Data [] Standards Traceability

EDD Required? [X] If yes, specify type.

Required Certification:

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

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

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

For Lab Receiving Use Only: Custody Seal Intact? [] Yes [] No

Cooler Temp: 0±5 °C

(1) Chain of Custody Number	(3) QC Codes	(4) Matrix Codes	(6) Preservative Type
Client Determined	Equipment Blank (EB) Matrix Spike (MS)	Biosolid (SB) Leachate (L) Soil (SO) Urine (U)	Ammonium Acetate (AM) Nitric Acid (NI) Sodium Thiosulfate (ST)
(2) Field Filtered	Field Reagent Blank Matrix Spike Duplicate (MSD)	Concrete (C) Misc Liquid (ML) Solid Waste (SS) Vegetation (V)	Ascorbic Acid (AA) Sodium Hydroxide (SH) Sulfuric Acid (SA)
For liquid matrices, indicate with a Y for yes the sample was field filtered.	Field Duplicate (DUP) Composite (C)	Drinking Water (DW) Oil (O) Storm Water (WS) Waste Water (WW)	Hexane (HX) Sodium Bisulfate (SBA) Trizma (TZ)
	Trip Blank (TB) Grab (G)	Fecal (FC) Sediment (SD) Surface Water (SW) Water (W)	Hydrochloric Acid (HA) Sodium Bisulfite (SBI) Zinc Acetate (ZA)
		Filter (F) Sludge (SL) Tissue (T) Wipe (P)	Methanol (ME)
		Groundwater (GW)	
Leave blank if no preservative is added.			
(7) Radioactive *** If yes, email rsa@gel.com prior to shipment for approval. Isotopic data should be included in the email and with the sample shipment. ***			
(8) Known or Possible Hazards	RCRA Metals	Characteristic	Listed Waste
Identify the "Source of the Sample" material	Arsenic (As) Chromium (Cr) Selenium (Se)	Flammable/Ignitable (FL)	Listed Waste (LW)
	Barium (Ba) Lead (Pb) Silver (Ag)	Corrosive (CO)	(F, K, P and U-listed wastes.)
	Cadmium (Cd) Mercury (Hg) Misc. RCRA (MR)	Reactive (RE)	Waste code(s):
(e.g., NPDES discharge, waste material, stormwater, groundwater, Superfund Site etc.)	Is this sample known or suspected to be RCRA Hazardous? Yes [] No []	TSCA Regulated	Other / Unknown (OT)
		Polychlorinated biphenyls (PCB)	(i.e.: asbestos, beryllium, High/Low pH, irritants, other misc. health hazards, etc.)
			Description:
			Please provide any additional details below regarding handling and/or disposal concerns.

GEL Laboratories LLC		SAMPLE RECEIPT & REVIEW FORM			
Client: <u>GPCC</u>		SDG/AR/COC/Work Order: <u>762751</u>		762753	
Received By: <u>CLM</u>		Date Received at GEL: <u>2/9/26</u>		GEL PM: <u>AM</u>	
Carrier (Circle Applicable) FedEx Express FedEx Ground UPS Field Services		Courier Client Other: <u>Other</u>		IR Temp gun # <u>IR5-23</u> Daily Calibration Performed <u>Y/N</u>	
Tracking Number		Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	
<u>Cooler 1</u>		<u>5°</u>		<u>Cooler 6</u>	
<u>2</u>		<u>0°</u>		<u>7</u>	
<u>3</u>		<u>0°</u>			
<u>4</u>		<u>0°</u>			
<u>5</u>		<u>0°</u>			
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#: _____	
B) Did the client designate the samples to be received as radioactive?		☒	☐	If UN2910, Is the Radioactive Shipment Survey Compliant? Yes ___ No ___	
C) Did the RSO classify the samples as radioactive?		☒	☐	COC notation or radioactive stickers on containers equal client designation.	
D) Are there any sample hazards to document?		☒	☐	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0</u> CPM/mR/Hr	
E) Was a SDS received and reviewed by Lab Safety?		☒	☐	Classified as: Rad 1 Rad 2 Rad 3	
		☒	☐	If yes, select Hazards below: PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:	
		☒	☐	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: <u>Wet Ice</u> Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celsius
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:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)	☒	☐	☐	If Preservation added, Lot#: _____ 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 <u>RM</u> Date <u>2/9/26</u>					
☐ Continuation Form Required when selected					



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



REPORT OF LABORATORY ANALYSIS

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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 #: LA000356
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

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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

REPORT OF LABORATORY ANALYSIS

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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

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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

REPORT OF LABORATORY ANALYSIS

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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

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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		

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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	

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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	

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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		

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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		

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

QC Batch: 2584672 Analysis Method: EPA 6020B
QC Batch Method: 3015 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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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92813786

QC Batch: 956012

Analysis Method: SM 2540C-2020

QC Batch Method: SM 2540C-2020

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 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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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92813786

QC Batch: 956013

Analysis Method: SM 2540C-2020

QC Batch Method: SM 2540C-2020

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 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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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

QC Batch: 955068 Analysis Method: EPA 9056A
QC Batch 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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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92813786

QC Batch: 955491

Analysis Method: EPA 6010D

QC Batch Method: EPA 3005A

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	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92813786

QC Batch:	955505	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3005A	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		MS		MSD		MS		MSD		% Rec		Max	
		Result	Conc.	Spike Conc.	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	% Rec	Limits	RPD	RPD
Antimony	mg/L	ND	0.1	0.1	0.1	0.10	0.10	100	101	75-125	1	20			
Arsenic	mg/L	ND	0.1	0.1	0.1	0.096	0.097	95	97	75-125	1	20			
Barium	mg/L	0.016	0.1	0.1	0.1	0.11	0.11	93	93	75-125	0	20			
Beryllium	mg/L	ND	0.1	0.1	0.1	0.10	0.10	101	104	75-125	3	20			
Cadmium	mg/L	ND	0.1	0.1	0.1	0.095	0.094	95	94	75-125	0	20			
Chromium	mg/L	ND	0.1	0.1	0.1	0.095	0.096	94	96	75-125	1	20			

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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	

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92813786

QC Batch: 955283

Analysis Method: EPA 7470A

QC Batch 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	

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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.

REPORT OF LABORATORY ANALYSIS

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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

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CHAIN-OF-CUSTODY Analytical Request Document

[illegible]



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-ArcadAt1

Courier:

☐ Commercial☐ Fed Ex☐ UPS☐ USPS☒ Client☐ Pace☐ Other: _____Custody Seal Present? ☒ Yes ☐ No Seals Intact? ☒ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 8/19/25 aw

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:

30

Correction Factor:

Add/Subtract (°C)

0

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C):

5.0

USDA Regulated Soil (☐ N/A, water sample)Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ NoDid 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		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DOC#_Title: ENV-FRM-HUN1-0083 v05_Sample Collection Upon Receipt

Effective Date: 05/24/2024

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92813786

PM: MP

Due Date: 08/26/25

CLIENT: GA-ArcadAt1

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

Client: Arcadis Profile/EZ (Circle one) Notes

Client		Arcadis		Profile/EZ (Circle one)		Notes																										
Item#	CC	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)		
1			—	—				2																								
2			—	—				2																								
3			—	—				2																								
4			—	—				2																								
5			—	—				2																								
6			—	—				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.



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@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



REPORT OF LABORATORY ANALYSIS

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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
Radium-226	Pace Analytical Services - Greensburg						
	EPA 9315	0.00834 ± 0.154 (0.401) C:89% T:NA		pCi/L	09/11/25 11:38	13982-63-3	
Radium-228	Pace Analytical Services - Greensburg						
	EPA 9320	0.557 ± 0.369 (0.693) C:77% T:88%		pCi/L	09/11/25 14:37	15262-20-1	
Total Radium	Pace Analytical Services - Greensburg						
	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
Radium-226	Pace Analytical Services - Greensburg			pCi/L	09/11/25 11:38	13982-63-3	
	EPA 9315	0.0230 ± 0.136 (0.350) C:87% T:NA					
Radium-228	Pace Analytical Services - Greensburg			pCi/L	09/11/25 14:37	15262-20-1	
	EPA 9320	0.594 ± 0.384 (0.715) C:80% T:81%					
Total Radium	Pace Analytical Services - Greensburg			pCi/L	09/12/25 11:35	7440-14-4	
	Total Radium Calculation	0.617 ± 0.520 (1.07)					

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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
Radium-226	Pace Analytical Services - Greensburg						
	EPA 9315	0.0977 ± 0.148 (0.325) C:89% T:NA		pCi/L	09/11/25 11:39	13982-63-3	
Radium-228	Pace Analytical Services - Greensburg						
	EPA 9320	0.479 ± 0.353 (0.681) C:80% T:86%		pCi/L	09/11/25 14:37	15262-20-1	
Total Radium	Pace Analytical Services - Greensburg						
	Total Radium Calculation	0.577 ± 0.501 (1.01)		pCi/L	09/12/25 11:35	7440-14-4	

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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
Radium-226	Pace Analytical Services - Greensburg						
	EPA 9315	0.0150 ± 0.132 (0.346) C:90% T:NA		pCi/L	09/11/25 11:48	13982-63-3	
Radium-228	Pace Analytical Services - Greensburg						
	EPA 9320	0.559 ± 0.397 (0.764) C:79% T:82%		pCi/L	09/11/25 14:37	15262-20-1	
Total Radium	Pace Analytical Services - Greensburg						
	Total Radium Calculation	0.574 ± 0.529 (1.11)		pCi/L	09/12/25 11:35	7440-14-4	

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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
Radium-226	Pace Analytical Services - Greensburg						
	EPA 9315	-0.0342 ± 0.195 (0.520) C:81% T:NA		pCi/L	09/11/25 08:22	13982-63-3	
Radium-228	Pace Analytical Services - Greensburg						
	EPA 9320	0.616 ± 0.370 (0.677) C:82% T:89%		pCi/L	09/10/25 14:37	15262-20-1	
Total Radium	Pace Analytical Services - Greensburg						
	Total Radium Calculation	0.616 ± 0.565 (1.20)		pCi/L	09/12/25 14:29	7440-14-4	

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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
Radium-226	Pace Analytical Services - Greensburg						
	EPA 9315	0.00569 ± 0.131 (0.349) C:88% T:NA		pCi/L	09/11/25 08:24	13982-63-3	
Radium-228	Pace Analytical Services - Greensburg						
	EPA 9320	0.127 ± 0.320 (0.717) C:77% T:89%		pCi/L	09/10/25 14:37	15262-20-1	
Total Radium	Pace Analytical Services - Greensburg						
	Total Radium Calculation	0.133 ± 0.451 (1.07)		pCi/L	09/12/25 14:29	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92813791

QC Batch:	767551	Analysis Method:	EPA 9320
QC Batch 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.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92813791

QC Batch: 768718

Analysis Method: EPA 9320

QC Batch 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	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92813791

QC Batch: 768717

Analysis Method: EPA 9315

QC Batch 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	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92813791

QC Batch: 767550

Analysis Method: EPA 9315

QC Batch 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.

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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.

REPORT OF LABORATORY ANALYSIS

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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		

REPORT OF LABORATORY ANALYSIS

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W0#: 92813791

ENV-FRM-CORQ-0019_v02_110123 ©



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-ArcadAtI

Courier:

☐ Commercial☐ Fed Ex☐ UPS☐ USPS☒ Client☐ Pace☐ Other: _____Custody Seal Present? ☒ Yes ☐ NoSeals 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:

30

Correction Factor:

Add/Subtract (°C)

0

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C):

5.0

USDA Regulated Soil (☐ N/A, water sample)Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ NoDid 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		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC# Title: ENV-FRM-HUNT-0083 V05 Sample Collection Open Receipt

Effective Date: 05/24/2024

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92813791

Due Date: 08/26/25

PM: MP

CLIENT: GA-ArcadAt1

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ MeKernersville ☐

Client Arcadis Profile/EZ (Circle one) Notes

Client	irradiation	Profile/EZ (Circle one)	Notes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Item#	CC	1	2	3	4	5	6	7	8	9	10	11	12	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 Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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pH Adjustment Log for Preserved Samples

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

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



March 05, 2026

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.: 92843328

Dear Priya Johnson:

Enclosed are the analytical results for sample(s) received by the laboratory on February 10, 2026. 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92843328

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 #: LA000356
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

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SAMPLE SUMMARY

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843328

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92843328001	ARK-BC-0.3	Water	02/09/26 10:30	02/10/26 14:36
92843328002	ARK-BC-0.1	Water	02/09/26 10:15	02/10/26 14:36
92843328003	ARK-OR-0.8	Water	02/10/26 10:10	02/10/26 14:36
92843328004	ARK-OR-0.1	Water	02/10/26 11:05	02/10/26 14:36
92843328005	ARK-OR-0.3	Water	02/10/26 10:40	02/10/26 14:36
92843328006	ARK-OR+0.25	Water	02/10/26 11:20	02/10/26 14:36

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SAMPLE ANALYTE COUNT

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843328

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92843328001	ARK-BC-0.3	EPA 6020B	SJM	1	PAN
		SM 2320B-2021	MDW	2	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 6020B	BW	16	PASI-WC
		EPA 7470A	DH	1	PASI-WC
92843328002	ARK-BC-0.1	EPA 6020B	SJM	1	PAN
		SM 2320B-2021	MDW	2	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 6020B	BW	16	PASI-WC
		EPA 7470A	DH	1	PASI-WC
92843328003	ARK-OR-0.8	EPA 6020B	SJM	1	PAN
		SM 2320B-2021	MDW	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 6020B	BW	16	PASI-WC
		EPA 7470A	DH	1	PASI-WC
92843328004	ARK-OR-0.1	EPA 6020B	SJM	1	PAN
		SM 2320B-2021	MDW	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 6020B	BW	16	PASI-WC
		EPA 7470A	DH	1	PASI-WC
92843328005	ARK-OR-0.3	EPA 6020B	SJM	1	PAN
		SM 2320B-2021	MDW	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 6020B	BW	16	PASI-WC
		EPA 7470A	DH	1	PASI-WC
92843328006	ARK-OR+0.25	EPA 6020B	SJM	1	PAN
		SM 2320B-2021	MDW	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 6020B	BW	16	PASI-WC
		EPA 7470A	DH	1	PASI-WC

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SAMPLE ANALYTE COUNT

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92843328

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
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PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843328

Sample: ARK-BC-0.3		Lab ID: 92843328001		Collected: 02/09/26 10:30		Received: 02/10/26 14:36		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	mg/L	0.00200	1	02/17/26 12:18	02/17/26 18:21	7439-93-2		
2320B Alkalinity		Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	44.1	mg/L	5.0	1		02/17/26 18:35			
Alkalinity, Total as CaCO3	44.1	mg/L	5.0	1		02/17/26 18:35			
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	92.0	mg/L	25.0	1		02/12/26 16:26			
9056 IC anions 28 Days		Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	10.6	mg/L	1.0	1		02/12/26 03:55	16887-00-6		
Fluoride	ND	mg/L	0.10	1		02/12/26 03:55	16984-48-8		
Sulfate	8.2	mg/L	1.0	1		02/12/26 03:55	14808-79-8		
WC 6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	mg/L	0.0020	1	02/13/26 14:10	02/27/26 03:25	7440-36-0		
Arsenic	ND	mg/L	0.0020	1	02/13/26 14:10	02/27/26 03:25	7440-38-2		
Barium	0.031	mg/L	0.0050	1	02/13/26 14:10	02/27/26 03:25	7440-39-3		
Beryllium	ND	mg/L	0.00040	1	02/13/26 14:10	02/27/26 03:25	7440-41-7		
Boron	ND	mg/L	0.040	1	02/13/26 14:10	02/27/26 03:25	7440-42-8		
Cadmium	ND	mg/L	0.00050	1	02/13/26 14:10	02/27/26 03:25	7440-43-9		
Calcium	10.5	mg/L	0.40	1	02/13/26 14:10	02/27/26 03:25	7440-70-2	1g,M1	
Chromium	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 03:25	7440-47-3		
Cobalt	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 03:25	7440-48-4		
Lead	ND	mg/L	0.0010	1	02/13/26 14:10	02/27/26 03:25	7439-92-1		
Magnesium	4.5	mg/L	0.050	1	02/13/26 14:10	02/27/26 03:25	7439-95-4	M1	
Molybdenum	ND	mg/L	0.010	1	02/13/26 14:10	02/27/26 03:25	7439-98-7		
Potassium	2.0	mg/L	0.40	1	02/13/26 14:10	02/27/26 03:25	7440-09-7		
Selenium	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 03:25	7782-49-2		
Sodium	9.1	mg/L	0.40	1	02/13/26 14:10	02/27/26 03:25	7440-23-5	M1	
Thallium	ND	mg/L	0.00050	1	02/13/26 14:10	02/27/26 03:25	7440-28-0		
WCOL 7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia							
Mercury	ND	mg/L	0.00020	1	02/13/26 11:17	02/19/26 22:31	7439-97-6		

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92843328

Sample: ARK-BC-0.1		Lab ID: 92843328002		Collected: 02/09/26 10:15		Received: 02/10/26 14:36		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	mg/L	0.00200	1	02/17/26 12:18	02/17/26 18:24	7439-93-2		
2320B Alkalinity		Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	44.6	mg/L	5.0	1		02/17/26 18:53			
Alkalinity, Total as CaCO3	44.6	mg/L	5.0	1		02/17/26 18:53			
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	88.0	mg/L	25.0	1		02/12/26 16:27			
9056 IC anions 28 Days		Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	10.7	mg/L	1.0	1		02/12/26 04:10	16887-00-6		
Fluoride	ND	mg/L	0.10	1		02/12/26 04:10	16984-48-8		
Sulfate	8.8	mg/L	1.0	1		02/12/26 04:10	14808-79-8		
WC 6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	mg/L	0.0020	1	02/13/26 14:10	02/27/26 04:11	7440-36-0		
Arsenic	ND	mg/L	0.0020	1	02/13/26 14:10	02/27/26 04:11	7440-38-2		
Barium	0.032	mg/L	0.0050	1	02/13/26 14:10	02/27/26 04:11	7440-39-3		
Beryllium	ND	mg/L	0.00040	1	02/13/26 14:10	02/27/26 04:11	7440-41-7		
Boron	ND	mg/L	0.040	1	02/13/26 14:10	02/27/26 04:11	7440-42-8		
Cadmium	ND	mg/L	0.00050	1	02/13/26 14:10	02/27/26 04:11	7440-43-9		
Calcium	9.9	mg/L	0.40	1	02/13/26 14:10	02/27/26 04:11	7440-70-2	1g	
Chromium	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 04:11	7440-47-3		
Cobalt	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 04:11	7440-48-4		
Lead	ND	mg/L	0.0010	1	02/13/26 14:10	02/27/26 04:11	7439-92-1		
Magnesium	4.7	mg/L	0.050	1	02/13/26 14:10	02/27/26 04:11	7439-95-4		
Molybdenum	ND	mg/L	0.010	1	02/13/26 14:10	02/27/26 04:11	7439-98-7		
Potassium	2.2	mg/L	0.40	1	02/13/26 14:10	02/27/26 04:11	7440-09-7		
Selenium	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 04:11	7782-49-2		
Sodium	9.8	mg/L	0.40	1	02/13/26 14:10	02/27/26 04:11	7440-23-5		
Thallium	ND	mg/L	0.00050	1	02/13/26 14:10	02/27/26 04:11	7440-28-0		
WCOL 7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia							
Mercury	ND	mg/L	0.00020	1	02/13/26 11:17	02/19/26 22:34	7439-97-6		

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92843328

Sample: ARK-OR-0.8		Lab ID: 92843328003		Collected: 02/10/26 10:10		Received: 02/10/26 14:36		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	mg/L	0.00200	1	02/17/26 12:18	02/17/26 18:28	7439-93-2		
2320B Alkalinity		Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	29.3	mg/L	5.0	1		02/17/26 19:20			
Alkalinity, Total as CaCO3	29.3	mg/L	5.0	1		02/17/26 19:20			
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	81.0	mg/L	25.0	1		02/15/26 15:33			
9056 IC anions 28 Days		Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	11.9	mg/L	1.0	1		02/12/26 04:25	16887-00-6		
Fluoride	ND	mg/L	0.10	1		02/12/26 04:25	16984-48-8		
Sulfate	7.1	mg/L	1.0	1		02/12/26 04:25	14808-79-8		
WC 6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	mg/L	0.0020	1	02/13/26 14:10	02/27/26 04:21	7440-36-0		
Arsenic	ND	mg/L	0.0020	1	02/13/26 14:10	02/27/26 04:21	7440-38-2		
Barium	0.025	mg/L	0.0050	1	02/13/26 14:10	02/27/26 04:21	7440-39-3		
Beryllium	ND	mg/L	0.00040	1	02/13/26 14:10	02/27/26 04:21	7440-41-7		
Boron	ND	mg/L	0.040	1	02/13/26 14:10	02/27/26 04:21	7440-42-8		
Cadmium	ND	mg/L	0.00050	1	02/13/26 14:10	02/27/26 04:21	7440-43-9		
Calcium	6.8	mg/L	0.40	1	02/13/26 14:10	02/27/26 04:21	7440-70-2	1g	
Chromium	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 04:21	7440-47-3		
Cobalt	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 04:21	7440-48-4		
Lead	ND	mg/L	0.0010	1	02/13/26 14:10	02/27/26 04:21	7439-92-1		
Magnesium	2.4	mg/L	0.050	1	02/13/26 14:10	02/27/26 04:21	7439-95-4		
Molybdenum	ND	mg/L	0.010	1	02/13/26 14:10	02/27/26 04:21	7439-98-7		
Potassium	3.1	mg/L	0.40	1	02/13/26 14:10	02/27/26 04:21	7440-09-7		
Selenium	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 04:21	7782-49-2		
Sodium	11.4	mg/L	0.40	1	02/13/26 14:10	02/27/26 04:21	7440-23-5		
Thallium	ND	mg/L	0.00050	1	02/13/26 14:10	02/27/26 04:21	7440-28-0		
WCOL 7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia							
Mercury	ND	mg/L	0.00020	1	02/13/26 11:17	02/19/26 22:37	7439-97-6		

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92843328

Sample: ARK-OR-0.1		Lab ID: 92843328004		Collected: 02/10/26 11:05		Received: 02/10/26 14:36		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	mg/L	0.00200	1	02/17/26 12:18	02/17/26 18:31	7439-93-2		
2320B Alkalinity		Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	29.9	mg/L	5.0	1		02/17/26 19:25			
Alkalinity, Total as CaCO3	29.9	mg/L	5.0	1		02/17/26 19:25			
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	88.0	mg/L	25.0	1		02/15/26 15:34			
9056 IC anions 28 Days		Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	11.9	mg/L	1.0	1		02/12/26 04:40	16887-00-6		
Fluoride	ND	mg/L	0.10	1		02/12/26 04:40	16984-48-8		
Sulfate	7.3	mg/L	1.0	1		02/12/26 04:40	14808-79-8		
WC 6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	mg/L	0.0020	1	02/13/26 14:10	02/27/26 04:30	7440-36-0		
Arsenic	ND	mg/L	0.0020	1	02/13/26 14:10	02/27/26 04:30	7440-38-2		
Barium	0.024	mg/L	0.0050	1	02/13/26 14:10	02/27/26 04:30	7440-39-3		
Beryllium	ND	mg/L	0.00040	1	02/13/26 14:10	02/27/26 04:30	7440-41-7		
Boron	ND	mg/L	0.040	1	02/13/26 14:10	02/27/26 04:30	7440-42-8		
Cadmium	ND	mg/L	0.00050	1	02/13/26 14:10	02/27/26 04:30	7440-43-9		
Calcium	7.1	mg/L	0.40	1	02/13/26 14:10	02/27/26 04:30	7440-70-2	1g	
Chromium	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 04:30	7440-47-3		
Cobalt	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 04:30	7440-48-4		
Lead	ND	mg/L	0.0010	1	02/13/26 14:10	02/27/26 04:30	7439-92-1		
Magnesium	2.4	mg/L	0.050	1	02/13/26 14:10	02/27/26 04:30	7439-95-4		
Molybdenum	ND	mg/L	0.010	1	02/13/26 14:10	02/27/26 04:30	7439-98-7		
Potassium	3.2	mg/L	0.40	1	02/13/26 14:10	02/27/26 04:30	7440-09-7		
Selenium	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 04:30	7782-49-2		
Sodium	11.1	mg/L	0.40	1	02/13/26 14:10	02/27/26 04:30	7440-23-5		
Thallium	ND	mg/L	0.00050	1	02/13/26 14:10	02/27/26 04:30	7440-28-0		
WCOL 7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia							
Mercury	ND	mg/L	0.00020	1	02/13/26 11:17	02/19/26 22:44	7439-97-6		

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92843328

Sample: ARK-OR-0.3		Lab ID: 92843328005		Collected: 02/10/26 10:40		Received: 02/10/26 14:36		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	mg/L	0.00200	1	02/17/26 12:18	02/17/26 18:34	7439-93-2		
2320B Alkalinity		Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	28.7	mg/L	5.0	1		02/17/26 19:30			
Alkalinity, Total as CaCO3	28.7	mg/L	5.0	1		02/17/26 19:30			
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	101	mg/L	25.0	1		02/15/26 15:34			
9056 IC anions 28 Days		Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	11.9	mg/L	1.0	1		02/12/26 04:55	16887-00-6		
Fluoride	ND	mg/L	0.10	1		02/12/26 04:55	16984-48-8		
Sulfate	7.2	mg/L	1.0	1		02/12/26 04:55	14808-79-8		
WC 6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	mg/L	0.0020	1	02/13/26 14:10	02/27/26 04:58	7440-36-0		
Arsenic	ND	mg/L	0.0020	1	02/13/26 14:10	02/27/26 04:58	7440-38-2		
Barium	0.025	mg/L	0.0050	1	02/13/26 14:10	02/27/26 04:58	7440-39-3		
Beryllium	ND	mg/L	0.00040	1	02/13/26 14:10	02/27/26 04:58	7440-41-7		
Boron	ND	mg/L	0.040	1	02/13/26 14:10	02/27/26 04:58	7440-42-8		
Cadmium	ND	mg/L	0.00050	1	02/13/26 14:10	02/27/26 04:58	7440-43-9		
Calcium	7.1	mg/L	0.40	1	02/13/26 14:10	02/27/26 04:58	7440-70-2	1g	
Chromium	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 04:58	7440-47-3		
Cobalt	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 04:58	7440-48-4		
Lead	ND	mg/L	0.0010	1	02/13/26 14:10	02/27/26 04:58	7439-92-1		
Magnesium	2.4	mg/L	0.050	1	02/13/26 14:10	02/27/26 04:58	7439-95-4		
Molybdenum	ND	mg/L	0.010	1	02/13/26 14:10	02/27/26 04:58	7439-98-7		
Potassium	3.2	mg/L	0.40	1	02/13/26 14:10	02/27/26 04:58	7440-09-7		
Selenium	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 04:58	7782-49-2		
Sodium	11.3	mg/L	0.40	1	02/13/26 14:10	02/27/26 04:58	7440-23-5		
Thallium	ND	mg/L	0.00050	1	02/13/26 14:10	02/27/26 04:58	7440-28-0		
WCOL 7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia							
Mercury	ND	mg/L	0.00020	1	02/13/26 11:17	02/19/26 22:47	7439-97-6		

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92843328

Sample: ARK-OR+0.25		Lab ID: 92843328006		Collected: 02/10/26 11:20		Received: 02/10/26 14:36		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	mg/L	0.00200	1	02/17/26 12:18	02/17/26 18:37	7439-93-2		
2320B Alkalinity		Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	31.0	mg/L	5.0	1		02/17/26 19:36			
Alkalinity, Total as CaCO3	31.0	mg/L	5.0	1		02/17/26 19:36			
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	80.0	mg/L	25.0	1		02/15/26 15:34			
9056 IC anions 28 Days		Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	11.9	mg/L	1.0	1		02/12/26 05:09	16887-00-6		
Fluoride	ND	mg/L	0.10	1		02/12/26 05:09	16984-48-8		
Sulfate	7.2	mg/L	1.0	1		02/12/26 05:09	14808-79-8		
WC 6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	mg/L	0.0020	1	02/13/26 14:10	02/27/26 05:07	7440-36-0		
Arsenic	ND	mg/L	0.0020	1	02/13/26 14:10	02/27/26 05:07	7440-38-2		
Barium	0.025	mg/L	0.0050	1	02/13/26 14:10	02/27/26 05:07	7440-39-3		
Beryllium	ND	mg/L	0.00040	1	02/13/26 14:10	02/27/26 05:07	7440-41-7		
Boron	ND	mg/L	0.040	1	02/13/26 14:10	02/27/26 05:07	7440-42-8		
Cadmium	ND	mg/L	0.00050	1	02/13/26 14:10	02/27/26 05:07	7440-43-9		
Calcium	6.9	mg/L	0.40	1	02/13/26 14:10	02/27/26 05:07	7440-70-2	1g	
Chromium	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 05:07	7440-47-3		
Cobalt	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 05:07	7440-48-4		
Lead	ND	mg/L	0.0010	1	02/13/26 14:10	02/27/26 05:07	7439-92-1		
Magnesium	2.5	mg/L	0.050	1	02/13/26 14:10	02/27/26 05:07	7439-95-4		
Molybdenum	ND	mg/L	0.010	1	02/13/26 14:10	02/27/26 05:07	7439-98-7		
Potassium	3.2	mg/L	0.40	1	02/13/26 14:10	02/27/26 05:07	7440-09-7		
Selenium	ND	mg/L	0.0050	1	02/13/26 14:10	02/27/26 05:07	7782-49-2		
Sodium	11.3	mg/L	0.40	1	02/13/26 14:10	02/27/26 05:07	7440-23-5		
Thallium	ND	mg/L	0.00050	1	02/13/26 14:10	02/27/26 05:07	7440-28-0		
WCOL 7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia							
Mercury	ND	mg/L	0.00020	1	02/13/26 11:17	02/19/26 22:49	7439-97-6		

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843328

QC Batch: 2693474

Analysis Method: EPA 6020B

QC Batch Method: 3015

Analysis Description: Metals (ICPMS) 6020B

Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92843328001, 92843328002, 92843328003, 92843328004, 92843328005, 92843328006

METHOD BLANK: R4337292-1

Matrix: Water

Associated Lab Samples: 92843328001, 92843328002, 92843328003, 92843328004, 92843328005, 92843328006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	02/17/26 16:49	

LABORATORY CONTROL SAMPLE: R4337292-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0470	93.9	80.0-120	

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92843328

QC Batch: 991309 Analysis Method: SM 2320B-2021
QC Batch Method: SM 2320B-2021 Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92843328001, 92843328002, 92843328003, 92843328004, 92843328005, 92843328006

METHOD BLANK: 5095494 Matrix: Water
Associated Lab Samples: 92843328001, 92843328002, 92843328003, 92843328004, 92843328005, 92843328006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	ND	5.0	02/17/26 18:05	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	ND	5.0	02/17/26 18:05	

LABORATORY CONTROL SAMPLE: 5095495

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	50	58.1	116	80-120	

LABORATORY CONTROL SAMPLE: 5095496

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	50	50.7	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5095497 5095498

Parameter	Units	92843328001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO ₃	mg/L	44.1	50	50	93.2	93.3	98	98	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5095499 5095500

Parameter	Units	92843328002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO ₃	mg/L	44.6	50	50	93.3	93.2	97	97	80-120	0	25	

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843328

QC Batch: 990478

Analysis Method: SM 2540C-2020

QC Batch Method: SM 2540C-2020

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92843328001, 92843328002

METHOD BLANK: 5091345

Matrix: Water

Associated Lab Samples: 92843328001, 92843328002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	02/12/26 16:26	

LABORATORY CONTROL SAMPLE: 5091346

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	248	99	90-110	

SAMPLE DUPLICATE: 5091347

Parameter	Units	92842980018 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	37.0	40.0	8	25	

SAMPLE DUPLICATE: 5091348

Parameter	Units	92843331002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	92.0	97.0	5	25	

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843328

QC Batch: 990921

Analysis Method: SM 2540C-2020

QC Batch Method: SM 2540C-2020

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92843328003, 92843328004, 92843328005, 92843328006

METHOD BLANK: 5093556

Matrix: Water

Associated Lab Samples: 92843328003, 92843328004, 92843328005, 92843328006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	02/15/26 15:32	

LABORATORY CONTROL SAMPLE: 5093557

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	234	94	90-110	

SAMPLE DUPLICATE: 5093559

Parameter	Units	92843328005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	101	87.0	15	25	

SAMPLE DUPLICATE: 5093638

Parameter	Units	92843173001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	59.0	57.0	3	25	

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843328

QC Batch: 990216 Analysis Method: EPA 9056A
QC Batch Method: EPA 9056A Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92843328001, 92843328002, 92843328003, 92843328004, 92843328005, 92843328006

METHOD BLANK: 5090057 Matrix: Water
Associated Lab Samples: 92843328001, 92843328002, 92843328003, 92843328004, 92843328005, 92843328006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	02/12/26 00:36	
Fluoride	mg/L	ND	0.10	02/12/26 00:36	
Sulfate	mg/L	ND	1.0	02/12/26 00:36	

LABORATORY CONTROL SAMPLE: 5090058

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.9	104	90-110	
Fluoride	mg/L	2.5	2.6	104	90-110	
Sulfate	mg/L	50	51.8	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5090059 5090060

Parameter	Units	92843305006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	91.6	50	50	115	116	48	49	90-110	1	10	H3,M1
Fluoride	mg/L	0.59	2.5	2.5	3.0	2.9	95	94	90-110	1	10	H3
Sulfate	mg/L	123	50	50	166	167	84	87	90-110	1	10	H3,M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5090061 5090062

Parameter	Units	92843330001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.9	50	50	61.1	60.7	101	100	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.4	2.4	95	95	90-110	0	10	
Sulfate	mg/L	5.1	50	50	54.9	54.5	100	99	90-110	1	10	

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92843328

QC Batch:	990390	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3005A	Analysis Description:	WC 6020B MET
		Laboratory:	Pace Analytical Services - West Columbia

Associated Lab Samples: 92843328001, 92843328002, 92843328003, 92843328004, 92843328005, 92843328006

METHOD BLANK: 5090650 Matrix: Water
Associated Lab Samples: 92843328001, 92843328002, 92843328003, 92843328004, 92843328005, 92843328006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	02/27/26 03:07	
Arsenic	mg/L	ND	0.0020	02/27/26 03:07	
Barium	mg/L	ND	0.0050	02/27/26 03:07	
Beryllium	mg/L	ND	0.00040	02/27/26 03:07	
Boron	mg/L	ND	0.040	02/27/26 03:07	
Cadmium	mg/L	ND	0.00050	02/27/26 03:07	
Calcium	mg/L	ND	0.40	02/27/26 03:07	
Chromium	mg/L	ND	0.0050	02/27/26 03:07	
Cobalt	mg/L	ND	0.0050	02/27/26 03:07	
Lead	mg/L	ND	0.0010	02/27/26 03:07	
Magnesium	mg/L	ND	0.050	02/27/26 03:07	
Molybdenum	mg/L	ND	0.010	02/27/26 03:07	
Potassium	mg/L	ND	0.40	02/27/26 03:07	
Selenium	mg/L	ND	0.0050	02/27/26 03:07	
Sodium	mg/L	ND	0.40	02/27/26 03:07	
Thallium	mg/L	ND	0.00050	02/27/26 03:07	

LABORATORY CONTROL SAMPLE: 5090651

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.092	92	80-120	
Arsenic	mg/L	0.1	0.087	87	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.091	91	80-120	
Boron	mg/L	0.1	0.094	94	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Calcium	mg/L	1	1.1	105	80-120	
Chromium	mg/L	0.1	0.10	101	80-120	
Cobalt	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.11	108	80-120	
Magnesium	mg/L	1	0.97	97	80-120	
Molybdenum	mg/L	0.1	0.097	97	80-120	
Potassium	mg/L	1	1.0	102	80-120	
Selenium	mg/L	0.1	0.089	89	80-120	
Sodium	mg/L	1	0.97	97	80-120	
Thallium	mg/L	0.1	0.10	104	80-120	

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843328

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5090652 5090653											
Parameter	Units	92843328001		MS		MSD		MS		MSD	
		Result	Conc.	Spike	Conc.	Result	Conc.	% Rec	% Rec	Limits	Max
Antimony	mg/L	ND	0.1	0.1	0.1	0.098	0.10	98	99	75-125	1 20
Arsenic	mg/L	ND	0.1	0.1	0.1	0.099	0.10	99	100	75-125	1 20
Barium	mg/L	0.031	0.1	0.1	0.1	0.14	0.14	105	106	75-125	1 20
Beryllium	mg/L	ND	0.1	0.1	0.1	0.10	0.10	104	104	75-125	1 20
Boron	mg/L	ND	0.1	0.1	0.1	0.13	0.13	104	107	75-125	2 20
Cadmium	mg/L	ND	0.1	0.1	0.1	0.11	0.11	106	107	75-125	1 20
Calcium	mg/L	10.5	1	1	1	11.1	11.2	59	69	75-125	1 20 M1
Chromium	mg/L	ND	0.1	0.1	0.1	0.10	0.10	101	105	75-125	3 20
Cobalt	mg/L	ND	0.1	0.1	0.1	0.10	0.11	104	108	75-125	3 20
Lead	mg/L	ND	0.1	0.1	0.1	0.11	0.11	108	109	75-125	1 20
Magnesium	mg/L	4.5	1	1	1	5.7	5.8	127	133	75-125	1 20 M1
Molybdenum	mg/L	ND	0.1	0.1	0.1	0.099	0.10	99	103	75-125	4 20
Potassium	mg/L	2.0	1	1	1	3.2	3.3	119	124	75-125	1 20
Selenium	mg/L	ND	0.1	0.1	0.1	0.11	0.11	107	108	75-125	1 20
Sodium	mg/L	9.1	1	1	1	10.6	11.1	146	193	75-125	4 20 M1
Thallium	mg/L	ND	0.1	0.1	0.1	0.11	0.11	107	109	75-125	1 20

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92843328

QC Batch:	990409	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	WCOL 7470 Mercury
		Laboratory:	Pace Analytical Services - West Columbia

Associated Lab Samples: 92843328001, 92843328002, 92843328003, 92843328004, 92843328005, 92843328006

METHOD BLANK: 5090881 Matrix: Water
Associated Lab Samples: 92843328001, 92843328002, 92843328003, 92843328004, 92843328005, 92843328006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	02/19/26 22:26	

LABORATORY CONTROL SAMPLE: 5090882

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5090885 5090886

Parameter	Units	92842453007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	0.00012J	0.002	0.002	0.0021	0.0021	100	99	80-120	1	20	

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QUALIFIERS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92843328

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.
A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92843328
[1] Pace National report regenerated to merge results.

ANALYTE QUALIFIERS

1g	The percent readback for the mid-level calibration standard was below laboratory acceptance limits. The result is reported since the continuing calibration verification (CCV) standard has the same true value concentration as the mid-level standard, and the bracketing CCVs were within acceptance limits.
H3	Sample was received or analysis requested beyond the recognized method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843328

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92843328001	ARK-BC-0.3	3015	2693474	EPA 6020B	2693474
92843328002	ARK-BC-0.1	3015	2693474	EPA 6020B	2693474
92843328003	ARK-OR-0.8	3015	2693474	EPA 6020B	2693474
92843328004	ARK-OR-0.1	3015	2693474	EPA 6020B	2693474
92843328005	ARK-OR-0.3	3015	2693474	EPA 6020B	2693474
92843328006	ARK-OR+0.25	3015	2693474	EPA 6020B	2693474
92843328001	ARK-BC-0.3	SM 2320B-2021	991309		
92843328002	ARK-BC-0.1	SM 2320B-2021	991309		
92843328003	ARK-OR-0.8	SM 2320B-2021	991309		
92843328004	ARK-OR-0.1	SM 2320B-2021	991309		
92843328005	ARK-OR-0.3	SM 2320B-2021	991309		
92843328006	ARK-OR+0.25	SM 2320B-2021	991309		
92843328001	ARK-BC-0.3	SM 2540C-2020	990478		
92843328002	ARK-BC-0.1	SM 2540C-2020	990478		
92843328003	ARK-OR-0.8	SM 2540C-2020	990921		
92843328004	ARK-OR-0.1	SM 2540C-2020	990921		
92843328005	ARK-OR-0.3	SM 2540C-2020	990921		
92843328006	ARK-OR+0.25	SM 2540C-2020	990921		
92843328001	ARK-BC-0.3	EPA 9056A	990216		
92843328002	ARK-BC-0.1	EPA 9056A	990216		
92843328003	ARK-OR-0.8	EPA 9056A	990216		
92843328004	ARK-OR-0.1	EPA 9056A	990216		
92843328005	ARK-OR-0.3	EPA 9056A	990216		
92843328006	ARK-OR+0.25	EPA 9056A	990216		
92843328001	ARK-BC-0.3	EPA 3005A	990390	EPA 6020B	993649
92843328002	ARK-BC-0.1	EPA 3005A	990390	EPA 6020B	993649
92843328003	ARK-OR-0.8	EPA 3005A	990390	EPA 6020B	993649
92843328004	ARK-OR-0.1	EPA 3005A	990390	EPA 6020B	993649
92843328005	ARK-OR-0.3	EPA 3005A	990390	EPA 6020B	993649
92843328006	ARK-OR+0.25	EPA 3005A	990390	EPA 6020B	993649
92843328001	ARK-BC-0.3	EPA 7470A	990409	EPA 7470A	992244
92843328002	ARK-BC-0.1	EPA 7470A	990409	EPA 7470A	992244
92843328003	ARK-OR-0.8	EPA 7470A	990409	EPA 7470A	992244
92843328004	ARK-OR-0.1	EPA 7470A	990409	EPA 7470A	992244
92843328005	ARK-OR-0.3	EPA 7470A	990409	EPA 7470A	992244
92843328006	ARK-OR+0.25	EPA 7470A	990409	EPA 7470A	992244

REPORT OF LABORATORY ANALYSIS

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W0#: 92843328



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:

Project #:

WO#: 92843328

PM: MP

Due Date: 02/18/26

CLIENT: GA-ArcadAt1

Courier:

☐ Commercial☐ Fed Ex☐ UPS☐ USPS☒ Client☐ Pace☐ Other: _____

Custody Seal Present?

☐ Yes☒ No

Seals Intact?

☐ Yes☐ No☒ N/A

Date/Initials Person Examining Contents: 2/10/26

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:

2.3/3.1/2.1

Correction Factor:

Add/Subtract (°C)

0.0

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C):

2.3/3.1/2.1

USDA Regulated Soil (☐ N/A, water sample)Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ NoDid samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____

Date/Time: _____

Project Manager SCURF Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____



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

Effective Date: 05/24/2024

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92843328

PM: MP

Due Date: 02/18/26

CLIENT: GA-ArcadAt!

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

Client _____ Profile/EZ (Circle one) _____ Notes _____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	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	2	2	2	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	2	2	2	2	2	2	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	2	2	2	2	2	2	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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5	/	2	2	2	2	2	2	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	2	2	2	2	2	2	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	2	2	2	2	2	2	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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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.



March 17, 2026

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.: 92843329

Dear Priya Johnson:

Enclosed are the analytical results for sample(s) received by the laboratory on February 10, 2026. 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

(Greensburg, PA) - Revision 1 - This report replaces the March 06, 2026 report. This project was revised on March 17, 2026 to update the sample ids.

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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843329

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

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 3 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.: 92843329

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92843329001	ARK-BC-0.3	Water	02/09/26 10:30	02/10/26 14:36
92843329002	ARK-BC-0.1	Water	02/09/26 10:15	02/10/26 14:36
92843329003	ARK-OR-0.8	Water	02/10/26 10:10	02/10/26 14:36
92843329004	ARK-OR-0.1	Water	02/10/26 11:05	02/10/26 14:36
92843329005	ARK-OR-0.3	Water	02/10/26 10:40	02/10/26 14:36
92843329006	ARK-OR+0.25	Water	02/10/26 11:20	02/10/26 14:36

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SAMPLE ANALYTE COUNT

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843329

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92843329001	ARK-BC-0.3	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92843329002	ARK-BC-0.1	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92843329003	ARK-OR-0.8	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92843329004	ARK-OR-0.1	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92843329005	ARK-OR-0.3	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92843329006	ARK-OR+0.25	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843329

Sample: ARK-BC-0.3 Lab ID: 92843329001 Collected: 02/09/26 10:30 Received: 02/10/26 14:36 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	0.0682U ± 0.123 (0.279) C:79% T:NA	pCi/L	03/02/26 08:12	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	1.07 ± 0.438 (0.686) C:85% T:84%	pCi/L	02/26/26 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.14 ± 0.561 (0.965)	pCi/L	03/02/26 12:02	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843329

Sample: ARK-BC-0.1		Lab ID: 92843329002	Collected: 02/09/26 10:15	Received: 02/10/26 14:36	Matrix: Water		
PWS:		Site ID:	Sample Type:				
Parameters	Method	Act ± Unc (MDC) Carr Trac		Units	Analyzed	CAS No.	Qual
Radium-226	Pace Analytical Services - Greensburg						
	EPA 9315	0.0292U ± 0.123 (0.306) C:80% T:NA		pCi/L	03/02/26 08:12	13982-63-3	
Radium-228	Pace Analytical Services - Greensburg						
	EPA 9320	0.651U ± 0.378 (0.682) C:80% T:85%		pCi/L	02/26/26 14:36	15262-20-1	
Total Radium	Pace Analytical Services - Greensburg						
	Total Radium Calculation	0.680U ± 0.501 (0.988)		pCi/L	03/02/26 12:02	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843329

Sample: ARK-OR-0.8		Lab ID: 92843329003	Collected: 02/10/26 10:10	Received: 02/10/26 14:36	Matrix: Water		
PWS:		Site ID:	Sample Type:				
Parameters	Method	Act ± Unc (MDC) Carr Trac		Units	Analyzed	CAS No.	Qual
Radium-226	Pace Analytical Services - Greensburg						
	EPA 9315	0.0825U ± 0.137 (0.308) C:76% T:NA		pCi/L	03/02/26 08:12	13982-63-3	
Radium-228	Pace Analytical Services - Greensburg						
	EPA 9320	0.861 ± 0.428 (0.736) C:83% T:81%		pCi/L	02/26/26 14:36	15262-20-1	
Total Radium	Pace Analytical Services - Greensburg						
	Total Radium Calculation	0.944U ± 0.565 (1.04)		pCi/L	03/02/26 12:02	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843329

Sample: ARK-OR-0.1		Lab ID: 92843329004	Collected: 02/10/26 11:05	Received: 02/10/26 14:36	Matrix: Water		
PWS:		Site ID:	Sample Type:				
Parameters	Method	Act ± Unc (MDC) Carr Trac		Units	Analyzed	CAS No.	Qual
Radium-226	Pace Analytical Services - Greensburg						
	EPA 9315	-0.0435U ± 0.131 (0.368) C:80% T:NA		pCi/L	03/02/26 08:12	13982-63-3	
Radium-228	Pace Analytical Services - Greensburg						
	EPA 9320	0.308U ± 0.470 (1.02) C:71% T:85%		pCi/L	02/26/26 14:36	15262-20-1	
Total Radium	Pace Analytical Services - Greensburg						
	Total Radium Calculation	0.308U ± 0.601 (1.39)		pCi/L	03/02/26 12:02	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843329

Sample: ARK-OR-0.3		Lab ID: 92843329005	Collected: 02/10/26 10:40	Received: 02/10/26 14:36	Matrix: Water		
PWS:		Site ID:	Sample Type:				
Parameters	Method	Act ± Unc (MDC) Carr Trac		Units	Analyzed	CAS No.	Qual
Radium-226	Pace Analytical Services - Greensburg			pCi/L	03/02/26 08:12	13982-63-3	
	EPA 9315	-0.0167U ± 0.120 (0.322) C:91% T:NA					
Radium-228	Pace Analytical Services - Greensburg			pCi/L	02/26/26 14:36	15262-20-1	
	EPA 9320	0.677U ± 0.476 (0.924) C:69% T:84%					
Total Radium	Pace Analytical Services - Greensburg			pCi/L	03/02/26 12:02	7440-14-4	
	Total Radium Calculation	0.677U ± 0.596 (1.25)					

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843329

Sample: ARK-OR+0.25		Lab ID: 92843329006	Collected: 02/10/26 11:20	Received: 02/10/26 14:36	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	0.161U ± 0.179 (0.373) C:81% T:NA		pCi/L	03/02/26 08:12	13982-63-3	
Pace Analytical Services - Greensburg							
Radium-228	EPA 9320	1.27 ± 0.541 (0.881) C:74% T:84%		pCi/L	02/26/26 14:36	15262-20-1	
Pace Analytical Services - Greensburg							
Total Radium	Total Radium Calculation	1.43 ± 0.720 (1.25)		pCi/L	03/02/26 12:02	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843329

QC Batch: 800366

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92843329001, 92843329002, 92843329003, 92843329004, 92843329005, 92843329006

METHOD BLANK: 3905595

Matrix: Water

Associated Lab Samples: 92843329001, 92843329002, 92843329003, 92843329004, 92843329005, 92843329006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.645 ± 0.432 (0.829) C:79% T:81%	pCi/L	02/26/26 11:30	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843329

QC Batch: 800364

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92843329001, 92843329002, 92843329003, 92843329004, 92843329005, 92843329006

METHOD BLANK: 3905592

Matrix: Water

Associated Lab Samples: 92843329001, 92843329002, 92843329003, 92843329004, 92843329005, 92843329006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0423 ± 0.150 (0.367) C:80% T:NA	pCi/L	03/02/26 08:10	

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

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QUALIFIERS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92843329

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Arkwright-CCR Ash Pond

Pace Project No.: 92843329

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92843329001	ARK-BC-0.3	EPA 9315	800364		
92843329002	ARK-BC-0.1	EPA 9315	800364		
92843329003	ARK-OR-0.8	EPA 9315	800364		
92843329004	ARK-OR-0.1	EPA 9315	800364		
92843329005	ARK-OR-0.3	EPA 9315	800364		
92843329006	ARK-OR+0.25	EPA 9315	800364		
92843329001	ARK-BC-0.3	EPA 9320	800366		
92843329002	ARK-BC-0.1	EPA 9320	800366		
92843329003	ARK-OR-0.8	EPA 9320	800366		
92843329004	ARK-OR-0.1	EPA 9320	800366		
92843329005	ARK-OR-0.3	EPA 9320	800366		
92843329006	ARK-OR+0.25	EPA 9320	800366		
92843329001	ARK-BC-0.3	Total Radium Calculation	802756		
92843329002	ARK-BC-0.1	Total Radium Calculation	802756		
92843329003	ARK-OR-0.8	Total Radium Calculation	802756		
92843329004	ARK-OR-0.1	Total Radium Calculation	802756		
92843329005	ARK-OR-0.3	Total Radium Calculation	802756		
92843329006	ARK-OR+0.25	Total Radium Calculation	802756		

REPORT OF LABORATORY ANALYSIS

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[illegible]



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:

Project #:

WO#: 92843329

PM: MP

Due Date: 02/18/26

CLIENT: GA-ArcadAtI

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: 2/10/26

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:

2.3/3.1/2.1

Correction Factor:

Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C):

2.3/3.1/2.1

USDA Regulated Soil (☐ N/A, water sample)Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ NoDid samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



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

Effective Date: 05/24/2024

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92843329

PM: MP

Due Date: 02/18/26

CLIENT: GA-ArcadAt1

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

Client _____ Profile/EZ (Circle one) _____ Notes _____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	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 Na2SO3 (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																							
7				2																							
8																											
9																											
10																											
11																											
12																											

pH Adjustment Log for Preserved Samples

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

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

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226
Analyst: SLC
Date: 2/24/2026
Worklist: 89460
Matrix: WT

Method Blank Assessment	
MB Sample ID	3905592
MB concentration:	0.042
MB 2 Sigma CSU:	0.150
MB MDC:	0.367
MB Numerical Performance Indicator:	0.55
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	
LCSID (Y or N)?	Y
LCS89460	LCS89460
Count Date:	3/2/2026
Spike I.D.:	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.004
Volume Used (mL):	0.10
Aliquot Volume (L, g, F):	0.509
Target Conc. (pCi/L, g, F):	4.908
Uncertainty (Calculated):	0.231
Result (pCi/L, g, F):	5.128
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.941
Numerical Performance Indicator:	0.19
Percent Recovery:	101.86%
Status vs Numerical Indicator:	Pass
Status vs Recovery:	N/A
Upper % Recovery Limits:	125%
Lower % Recovery Limits:	75%

Duplicate Sample Assessment	
Sample I.D.:	LCS89460
Duplicate Sample I.D.:	92842927006
Sample Result (pCi/L, g, F):	5.000
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.935
Sample Duplicate Result (pCi/L, g, F):	5.128
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.941
Are sample and/or duplicate results below RL?	NO
Duplicate Numerical Performance Indicator:	-0.190
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	1.57%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	N/A
% RPD Limit:	25%

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

Comments:

UAM 3/2/26



Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
Analyst: VAL
Date: 2/19/2026
Worklist: 89461
Matrix: WT

Method Blank Assessment	
MB Sample ID	3905595
MB concentration:	0.645
MB 2 Sigma CSU:	0.432
MB MDC:	0.829
MB Numerical Performance Indicator:	2.93
MB Status vs Numerical Indicator:	Warning
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	
LCS (Y or N)?	
LCS89461	
Count Date:	2/26/2026
Spike I.D.:	23-043
Decay Corrected Spike Concentration (pCi/mL):	29.630
Volume Used (mL):	0.10
Aliquot Volume (L, g, F):	0.825
Target Conc. (pCi/L, g, F):	3.591
Uncertainty (Calculated):	0.176
Result (pCi/L, g, F):	4.215
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.963
Numerical Performance Indicator:	1.25
Percent Recovery:	117.38%
Status vs Numerical Indicator:	N/A
Status vs Recovery:	Pass
Upper % Recovery Limits:	135%
Lower % Recovery Limits:	60%

Duplicate Sample Assessment	
Sample I.D.:	
Duplicate Sample I.D.:	
Sample Result 2 Sigma CSU (pCi/L, g, F):	
Sample Duplicate Result (pCi/L, g, F):	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Are sample and/or duplicate results below RL?	
Duplicate Numerical Performance Indicator:	
Duplicate Percent Recoveries) Duplicate RPD:	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	
Duplicate Status vs Numerical Indicator:	
Duplicate Status vs RPD:	
% RPD Limit:	

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

Comments:

mu2/z7/z6

VAL
3/2/26

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

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

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.

Stantec
Georgia Power – Arkwright (AP-1)
Analytical Report Nos. 739488, 739492, 740066, 740068
August 2025

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

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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

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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

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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.

DATA USABILITY SUMMARY

Stantec reviewed four data packages from GEL Laboratories (GEL) for the analysis of water samples collected February 2 & 3, 2026, 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, 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

Fifteen (15) groundwater samples, two (2) field blanks, two (2) equipment blanks, and two (2) field duplicate samples 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 1.0°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.

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:

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- Sulfate was detected in the blank ARK-AP1-EB-01 at a concentration above the laboratory Reporting Limit (RL). All associated detected sample results were greater than 10 times the blank concentration and therefore no qualification was necessary.
- Molybdenum and boron were detected in the blanks ARK-AP1-FB-01 at concentrations below the laboratory Reporting Limit (RL). Molybdenum was detected in sample ARK-AP1PZ-10 at a concentration less than 10 times the blank and has been qualified as estimated with a high bias (J+). All other associated detected sample results were greater than 10 times the blank concentration and therefore no qualification was necessary.
- Boron was detected in the blank ARK-AP1-FB-02 at a concentration above the laboratory Reporting Limit (RL). All associated detected sample results were greater than 10 times the blank concentration and therefore no qualification was necessary.

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- Radium-228 was detected in the blanks ARK-AP1-EB-02, ARK-AP1-FB-01, and ARK-AP1-FB-02 at concentrations above the minimum detectable concentration (MDC). Radium-228 was detected in sample ARK-AP1-FD-02 at a concentration less than 10 times the blank and has been qualified as estimated with a high bias (J+). All other associated sample results were reported as not detected and therefore no qualification was necessary.

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 with the exception of barium. The reported MDL for barium is 0.00067 mg/L (5*MDL = 0.00335) while the RL is 0.00400 mg/L.

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. In addition, sample ARK-AP1PZ-10 required manual integration to correctly set the baseline as set in the calibration standards. No qualification was necessary.

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.

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Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Analyses	Sample Date
ARK-AP1GWA-1	762489001	762489	6020B, 7470A, 300, 2540C	02/02/26 14:00
ARK-AP1GWA-2	762489002	762489	6020B, 7470A, 300, 2540C	02/02/26 15:05
ARK-AP1GWC-6	762489003	762489	6020B, 7470A, 300, 2540C	02/02/26 15:15
ARK-AP1GWC-7	762489004	762489	6020B, 7470A, 300, 2540C	02/02/26 14:55
ARK-AP1GWC-8	762489005	762489	6020B, 7470A, 300, 2540C	02/02/26 16:10
ARK-AP1PZ-1	762489006	762489	6020B, 7470A, 300, 2540C	02/02/26 16:30
ARK-AP1PZ-2	762489007	762489	6020B, 7470A, 300, 2540C	02/02/26 18:10
ARK-AP1PZ-3	762489008	762489	6020B, 7470A, 300, 2540C	02/02/26 17:35
ARK-AP1PZ-4	762489009	762489	6020B, 7470A, 300, 2540C	02/02/26 17:05
ARK-AP1PZ-5	762489010	762489	6020B, 7470A, 300, 2540C	02/02/26 14:30
ARK-AP1PZ-7	762489011	762489	6020B, 7470A, 300, 2540C	02/02/26 18:18
ARK-AP1PZ-9	762489012	762489	6020B, 7470A, 300, 2540C	02/02/26 16:00
ARK-AP1-EB-01	762489013	762489	6020B, 7470A, 300, 2540C	02/02/26 16:45
ARK-AP1-EB-02	762489014	762489	6020B, 7470A, 300, 2540C	02/02/26 16:30
ARK-AP1-FD-02	762489015	762489	6020B, 7470A, 300, 2540C	02/02/26 17:35
ARK-AP1PZ-8	762751001	762751	6020B, 7470A, 300, 2540C	02/03/26 11:00
ARK-AP1PZ-10	762751002	762751	6020B, 7470A, 300, 2540C	02/03/26 11:10
ARK-AP1PZ-11	762751003	762751	6020B, 7470A, 300, 2540C	02/03/26 11:20
ARK-AP1-FD-01	762751004	762751	6020B, 7470A, 300, 2540C	02/03/26 12:00
ARK-AP1-FB-01	762751005	762751	6020B, 7470A, 300, 2540C	02/03/26 11:30
ARK-AP1-FB-02	762751006	762751	6020B, 7470A, 300, 2540C	02/03/26 11:30
ARK-AP1GWA-1	762492001	762492	903.1, 904	02/02/26 14:00
ARK-AP1GWA-2	762492002	762492	903.1, 904	02/02/26 15:05
ARK-AP1GWC-6	762492003	762492	903.1, 904	02/02/26 15:15
ARK-AP1GWC-7	762492004	762492	903.1, 904	02/02/26 14:55
ARK-AP1GWC-8	762492005	762492	903.1, 904	02/02/26 16:10
ARK-AP1PZ-1	762492006	762492	903.1, 904	02/02/26 16:30

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Field Identification	Laboratory Identification	SDG	Analyses	Sample Date
ARK-AP1PZ-2	762492007	762492	903.1, 904	02/02/26 18:10
ARK-AP1PZ-3	762492008	762492	903.1, 904	02/02/26 17:35
ARK-AP1PZ-4	762492009	762492	903.1, 904	02/02/26 17:05
ARK-AP1PZ-5	762492010	762492	903.1, 904	02/02/26 14:30
ARK-AP1PZ-7	762492011	762492	903.1, 904	02/02/26 18:18
ARK-AP1PZ-9	762492012	762492	903.1, 904	02/02/26 16:00
ARK-AP1-EB-01	762492013	762492	903.1, 904	02/02/26 16:45
ARK-AP1-EB-02	762492014	762492	903.1, 904	02/02/26 16:30
ARK-AP1-FD-02	762492015	762492	903.1, 904	02/02/26 17:35
ARK-AP1PZ-8	762753001	762753	903.1, 904	02/03/26 11:00
ARK-AP1PZ-10	762753002	762753	903.1, 904	02/03/26 11:10
ARK-AP1PZ-11	762753003	762753	903.1, 904	02/03/26 11:20
ARK-AP1-FD-01	762753004	762753	903.1, 904	02/03/26 12:00
ARK-AP1-FB-01	762753005	762753	903.1, 904	02/03/26 11:30
ARK-AP1-FB-02	762753006	762753	903.1, 904	02/03/26 11:30

Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification / Code	Reason for Qualification
ARK-AP1PZ-10	Molybdenum	J+ / BFL	Detected in FB
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
J – estimated result
J+ – estimated data with a high bias

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Table 3a – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
ARK-AP1PZ-8/ ARK-AP1-FD-01	Chloride	3.61	3.67	1.6%	A
	Fluoride	0.186 J	0.174	<5*RL, <2*RL	A*
	Sulfate	642	647	0.8%	A
	Boron	3.14	3.07	2.3%	A
	Barium	0.0341	0.0346	1.5%	A
	Cadmium	0.000354 J	0.000351 J	<5*RL, <2*RL	A*
	Calcium	306	319	4.2%	A
	Cobalt	0.000893 J	0.000832 J	<5*RL, <2*RL	A*
	Lithium	0.00347 J	0.00350 J	<5*RL, <2*RL	A*
	Molybdenum	0.869	0.891	2.5%	A
	TDS	1340	1360	1.5%	A
	Radium 226	0.223	0.360	<5*RL, <2*RL	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

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-3/ ARK-AP1-FD-02	Chloride	5.26	5.15	2.1%	A
	Fluoride	0.165 U	0.0900 J	<5*RL, <2*RL	A*
	Sulfate	1160	1320	12.9%	A
	Boron	1.74	1.69	2.9%	A
	Barium	0.0220	0.0225	<5*RL, <2*RL	A*
	Cadmium	0.00115	0.00122	<5*RL, <2*RL	A*
	Cobalt	0.0611	0.0610	0.2%	A
	Lithium	0.0683	0.0686	0.4%	A
	Calcium	411	421	2.4%	A
	Molybdenum	0.000265 J	0.000235 J	<5*RL, <2*RL	A*
	TDS	2010	2010	0.0%	A
	Radium 226	0.781	0.856	<5*RL, <2*RL	A*
	Radium 228	0.324 U	3.00	<5*RL, <2*RL	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

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.