Prepared for

Georgia Power Company
241 Ralph McGill Blvd NE
Atlanta, Georgia 30308

2025 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

PLANT HAMMOND ASH POND 3 (AP-3)

Prepared by

engineers | scientists | innovators

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144

Project Number GW6581D

February 2026

CERTIFICATION STATEMENT

This *2025 Semiannual Groundwater Monitoring and Corrective Action Report, Plant Hammond – Ash Pond 3 (AP-3)* has been prepared in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule (40 Code of Federal Regulations [CFR] 257 Subpart D), specifically 40 CFR § 257.90(e), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 by a qualified groundwater scientist or engineer with Geosyntec Consultants, Inc. I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management 391-3-4-.04.

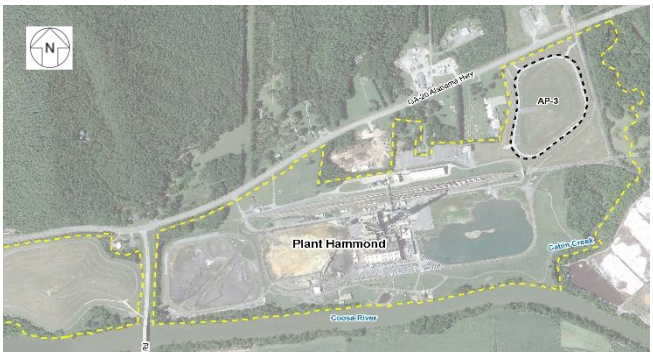
February 27, 2026

Whitney B. Law — Date

Georgia Professional Engineer No. 36641

SUMMARY

This summary of the *2025 Semiannual Groundwater Monitoring and Corrective Action Report* provides the status of groundwater monitoring and corrective action program for the reporting period of July through December 2025 (referred herein as the "semiannual reporting period") at the Georgia Power Company (Georgia Power) Plant Hammond Ash Pond 3 (AP-3) (the Site). This summary was prepared by Geosyntec Consultants, Inc. (Geosyntec) on behalf of Georgia Power to meet the requirements listed in Part A, Section 6[1] of the United States Environmental Protection Agency (USEPA) Coal Combustion Residual Rule (federal CCR Rule) (40 Code of Federal Regulations [CFR] 257 Subpart D).



Plant Hammond and the Site

Plant Hammond is located at 5963 Alabama Highway SW, approximately 10 miles west of Rome in Floyd County, Georgia. AP-3 is located on the northeastern corner of the Plant Hammond property. In the early 1980's, AP- 3 was converted into a dry ash disposal area and in the early 1990's the pond stopped receiving CCR materials. Final capping of the pond with a low-permeability cover system was completed in the second quarter of 2018. The Georgia Environmental Protection Division (GA EPD) approved closure permit no. 057-026D(CCR) for AP-3 on November 13, 2023.

Groundwater at the Site is monitored using a comprehensive monitoring network that meets federal and state monitoring requirements. Groundwater monitoring-related activities have been performed at AP-3 since August 2016.

During the semiannual reporting period, Geosyntec conducted one groundwater sampling event in August 2025. Groundwater samples were submitted to Pace Analytical Services, LLC, for analysis. Groundwater data for the event were evaluated in accordance with the certified statistical methods. Statistically significant increases of Appendix III[2]

[1] 80 FR 21468, Apr. 17, 2015, as amended at 81 FR 51807, Aug. 5, 2016; 83 FR 36452, July 30, 2018; 85 FR 53561, Aug. 28, 2020
[2] Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)

constituents above background were observed in select monitoring wells following the August 2025 event, as summarized in the table below.

Appendix III Constituent[2]	***August 2025***
Boron	HGWC-120, HGWC-121A, HGWC-125
Calcium	HGWC-120, HGWC-125
Sulfate	HGWC-120, HGWC-125
Total dissolved solids	HGWC-120, HGWC-125

No statistically significant levels (SSLs) were identified for Appendix IV groundwater data from the August 2025 event[3].

Groundwater at AP-3 will continue to be managed under the assessment monitoring program. Georgia Power will continue routine groundwater monitoring and reporting at the Site. Reports will be posted to Georgia Power's CCR Rule Compliance website and provided to the GA EPD semiannually.

[3] Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, and radium 226 + 228. A statistically significant level (SSL)-related constituent is determined by comparing the confidence intervals developed to either the constituent's maximum contaminant level (MCL), if available, the USEPA Rule Specified Level, if no MCL is available, or the calculated background interwell tolerance limit.

Geosyntec
consultants

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LIST OF ACRONYMS AND ABBREVIATIONS

AP-3	Ash Pond 3
CCR	coal combustion residuals
CFR	Code of Federal Regulations
cm/sec	centimeters per second
DO	dissolved oxygen
ft/day	feet per day
ft/ft	feet per foot
GA EPD	Georgia Environmental Protection Division
Georgia Power	Georgia Power Company
Geosyntec	Geosyntec Consultants, Inc.
GSC	Groundwater Stats Consulting
GWPS	Groundwater Protection Standard
HAR	Hydrogeologic Assessment Report
HDPE	high density polyethylene
i	horizontal hydraulic gradient
K_h	horizontal hydraulic conductivity
MCL	Maximum Contaminant Level
mg/L	milligram per liter
n_e	effective porosity
NELAP	National Environmental Laboratory Accreditation Program
NTU	Nephelometric turbidity units
ORP	oxidation-reduction potential
Pace Analytical	Pace Analytical Services, LLC.
PE	Professional Engineer
PL	prediction limit
QA/QC	Quality Assurance/Quality Control
SSI	statistically significant increase
SSL	statistically significant level
s.u.	standard unit
TDS	total dissolved solids
Unified Guidance	Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance
USEPA	United States Environmental Protection Agency

1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (USEPA) Coal Combustion Residual Rule (CCR Rule) [40 Code of Federal Regulations (CFR) Part 257, Subpart D] and the Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10, Geosyntec Consultants, Inc. (Geosyntec) has prepared this *2025 Semiannual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities conducted at Georgia Power Company (Georgia Power) Plant Hammond (Site) Ash Pond 3 (AP-3) for the reporting period of July 2025 through December 2025 (referred herein as the "semiannual reporting period").

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

A notification of intent to initiate closure of the inactive CCR surface impoundment was certified on December 7, 2015 and posted to Georgia Power's website. Groundwater monitoring and reporting for AP-3 are being completed in accordance with the alternate schedule in § 257.100(e)(5) of the revised federal CCR Rule (August 5, 2016). Pursuant to § 257.96(b), Georgia Power monitors groundwater associated with AP-3 in accordance with the assessment monitoring program established for the unit in 2019, including semiannual monitoring and reporting pursuant to § 257.90 through § 257.95 of the federal CCR Rule. Also, the closure permit issued by GA EPD (i.e., no. 057-026D(CCR)) stipulates that groundwater monitoring is required for the duration of the post closure care period (30-years).

1.1 Site Description and Background

Plant Hammond is located in Floyd County, Georgia, approximately 10 miles west of Rome and is bordered by Georgia Highway 20 (GA-20) on the north, the Coosa River on the south, Cabin Creek and industrial land on the east, and sparsely populated, forested, rural and industrial land on the west (**Figure 1**). The physical address of the plant is 5963 Alabama Highway, Rome, Georgia, 30165.

Plant Hammond was a four-unit, coal-fired electric generating facility. All four units at Plant Hammond were retired on July 29, 2019, and no longer produce electricity.

AP-3 is a 25-acre former ash pond that was constructed in 1973 and 1974. Ash sluicing and placement operations at AP-3 commenced in June 1977. In the early 1980's, AP-3 was converted into a dry ash disposal area, and in the early 1990's, the pond stopped receiving CCR materials.

Closure of AP-3 commenced in 2016. As part of closure, AP-3 was dewatered sufficiently to remove the free liquids. The CCR material remaining in AP-3 was graded, and a final cover system installed. The final cover system consists of a 60-millimeter-high density polyethylene (HDPE) liner, geocomposite drainage media, a minimum 18-inch-thick protective soil cover, and a 6-inch-thick vegetative layer. The final cover system was designed to limit infiltration of precipitation using low permeability materials and is graded to promote positive drainage and shed stormwater away from AP-3 via riprap drainage ditches toward three outfall locations around AP-3. Final capping of the unit was completed in the second quarter of 2018. Closure permit no. 057-026D(CCR) was approved by GA EPD on November 13, 2023. As part of the closure process and in compliance with the closure permit, a Treewell system was installed in November 2024.

1.2 Regional Geology and Hydrogeologic Setting

The following section summarizes the geologic and hydrogeologic conditions at AP-3 as described in the *Hydrogeologic Assessment Report* (*Revision 01) – Plant Hammond Ash Pond 3 (AP-3)* (HAR Rev 01) submitted to GA EPD in support of the AP-3 closure permit application (Geosyntec, 2020).

1.2.1 Regional and Site Geology

The Site is located within the Great Valley District of the Valley and Ridge Physiographic Province (Valley and Ridge) in northwest Georgia. The Valley and Ridge is characterized by Paleozoic sedimentary rocks that have been folded and faulted into the ridges and valleys that gave this region its name. Geologic mapping performed at the Site by Petrologic Solutions, Inc. under the direction of Golder (Golder, 2018), indicates that AP-3 is underlain by the middle units of the Cambrian age Conasauga Formation, consisting of mostly shaley limestone. Based on review of site-specific subsurface investigations, the bedrock at AP-3 was identified as limestone or shaley limestone. AP-3 is underlain primarily by five units: (i) fill material; (ii) terrace alluvium; (iii) residuum; (iv) highly weathered/fractured limestone bedrock; and (v) unweathered limestone bedrock.

Based on subsurface investigations, the fill is composed of lean clay or gravelly lean clay with sand, sometimes identified by the presence of wood or roots. The terrace alluvium

consists of unconsolidated sediments with high sand and gravel content associated with deposition from the Coosa River and Cabin Creek. Residual or native soils have been derived from the in-place weathering of the shaley limestone bedrock. The residuum is generally described as fat clay with typically only trace amounts of sand, and rarely gravel. Just below the residuum clay layer is a gradational zone of varying proportions of clayey residuum and sand, gravel, and cobble-sized angular pieces of partially weathered limestone, grading into a zone of fractured limestone, before grading into unweathered, fresh limestone. The upper highly weathered zone appears more as residuum with various sized rock fragments. The lower zone becomes less clayey with depth and is estimated to be approximately 5 feet thick. Most of the limestone is described as medium to dark gray with a slabby or flaggy habit when broken in pieces by the sonic drilling. The limestone is very finely laminated with lighter and darker gray layers, and contains interbeds of calcareous shale.

1.2.2 Hydrogeologic Setting

The uppermost aquifer at AP-3 is a regional groundwater aquifer that occurs within the residuum and the weathered and fractured bedrock. The uppermost aquifer is considered to be unconfined; however, localized, semi-confined conditions may be encountered due to the low-permeability clayey nature of the residual soils, or as a result of perched groundwater or poorly interconnected fracture networks in the bedrock. Based on observations of soil types and horizontal conductivity values, the movement of groundwater in the soil, and to some degree the highly weathered bedrock zone, can be characterized as low-to moderate permeability, porous media flow. Groundwater flow in the more competent underlying bedrock is characterized as fracture flow. Flow direction within the area of AP-3 is generally from west to east.

1.3 Groundwater Monitoring Well Network

In accordance with § 257.91, a groundwater monitoring system was installed at AP-3 that consists of a sufficient number of wells installed at appropriate locations and depths to yield groundwater samples from the uppermost aquifer to represent the groundwater quality both upgradient of the unit (i.e., background conditions) and passing the waste boundary of the unit. The number, spacing, and depths of the groundwater monitoring wells were selected based on the characterization of site-specific hydrogeologic conditions.

The current on-site network of piezometers is used to gauge water levels to define groundwater flow direction and gradients. The locations of the detection monitoring wells and piezometers associated with AP-3 are shown on **Figure 2**; well construction details are listed in **Table 1**.

2.0 GROUNDWATER AND SURFACE WATER MONITORING ACTIVITIES

The following describes groundwater and surface water monitoring related activities performed during the semiannual reporting period and discusses any change in status of the monitoring program. Groundwater and surface water sampling were performed in accordance with the most current AP-3 Groundwater Monitoring Plan (Geosyntec, 2021).

2.1 Monitoring Well Installation and Maintenance

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

The well and piezometer networks are inspected semiannually to evaluate if any repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In August 2025, the network was inspected and necessary corrective actions were identified and subsequently completed, as documented in **Appendix A**. This documentation was prepared under the direction of a professional geologist or engineer registered in the State of Georgia.

2.2 Assessment Monitoring

Georgia Power initiated an assessment monitoring program for groundwater at AP-3 in August 2019. No SSLs of Appendix IV constituents were identified during the semiannual reporting period. Groundwater at AP-3 will continue to be managed under the assessment monitoring program stipulated by § 257.95.

For the current semiannual reporting period, one semiannual assessment monitoring event was conducted in August 2025. The number of groundwater samples collected for analysis and the dates the samples were collected at AP-3 during the semiannual reporting period are summarized in **Table 2**. Details of the event and analytical results are discussed in Section 3, while the statistical results are discussed in Section 4.

2.3 Additional Groundwater and Surface Water Evaluation

Following the issuance of the closure permit no. 057-026D(CCR), three surface water sampling locations (SW-1, SW-2, and SW-3) on the stormwater outfalls were added to the semiannual sampling network and analyzed for the full Appendix IV constituent list,

as shown on **Figure 2**. In August 2025, the three surface water sampling locations were dry and therefore, no sample was collected.

3.0 SAMPLING METHODOLOGY AND ANALYSES

The following section presents a summary of the field sampling procedures that were implemented, and the groundwater sampling results that were obtained in connection with the assessment monitoring program conducted at AP-3 during the semiannual reporting period.

3.1 Groundwater and Surface Water Level Measurement

A synoptic round of depth-to-groundwater-level measurements was recorded from the AP-3 wells and piezometers during the August 2025 assessment monitoring event and used to calculate corresponding groundwater elevations, which are presented in **Table 3**. The August 2025 elevations reported are generally representative of the groundwater elevations reported for prior monitoring events.

Surface water elevations were recorded from two surveyed gauging points located along Cabin Creek east of AP-3, as shown on **Figure 2**. One gauging location, referenced in **Table 3** as "Cabin Creek (Hwy 20)", is located midway across the bridge along GA-20 Alabama Highway spanning Cabin Creek. The second Cabin Creek gauging location is along the railroad bridge southeast of AP-3; this location is referred to in **Table 3** as "Cabin Creek (Railroad Bridge)".

The groundwater and surface water elevation data presented in **Table 3** were used to prepare a potentiometric surface contour map for the August 2025 event, which is presented on **Figure 3**. Groundwater in the AP-3 area flows under the influence of topography from slightly higher ground surface elevations on the western side of the Site toward lower elevations to the east of AP-3. The flow direction is generally consistent with previous observations for AP-3.

3.2 Groundwater Gradient and Flow Velocity

The horizontal groundwater hydraulic gradients within the uppermost aquifer beneath AP-3 was calculated using the groundwater elevation data from the August 2025 semiannual sampling event. The hydraulic gradients are commonly calculated along the groundwater flow path perpendicular to groundwater elevation contours. Ideally, this flow path originates and concludes with groundwater elevations reported for two wells, but this may not be feasible and still remain perpendicular to the contours. The hydraulic gradients in this report have been calculated between an upgradient and downgradient well pair selected to provide the most accurate alignment possible relative to the

interpreted groundwater flow path (i.e., between HGWA-122 and HGWC-120). The hydraulic gradient calculation is presented in **Table 4**. The general trajectory of the flow path for the August 2025 event is shown on **Figure 3**. The estimated hydraulic gradient for this semiannual reporting period across AP-3 is 0.010 feet per foot (ft/ft).

The approximate horizontal flow velocity associated with AP-3 groundwater was calculated using the following derivative of Darcy's Law. The calculation is provided in **Table 4**.

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

where:

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

K_h = Horizontal Hydraulic Conductivity $\left(\frac{feet}{day}\right)$

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

h_1 and h_2 = Groundwater elevation at location 1 and 2

L = distance between location 1 and 2

n_e = Effective porosity

The groundwater flow velocity calculation was performed using the geometric mean value for K_h of the highly weathered/fractured rock of 9.8 x 10^{-4} centimeters per second (cm/sec) or 2.76 feet per day (ft/day). An estimated effective porosity (n_e) of 0.15 is used to represent average lithologic conditions at AP-3, derived based on review of literature, observed site lithology, and professional judgement. With these variables assigned, and accounting for the hydraulic gradient discussed above, the average horizontal groundwater flow velocity underneath AP-3 for this semiannual reporting period was calculated to be 0.18 ft/day.

3.3 Groundwater Sampling Procedures

Groundwater samples were collected using low-flow sampling procedures in accordance with § 257.93(a). Purging and sampling was performed using dedicated bladder pumps

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

An in-situ water quality field meter (Aqua TROLL 400) was used to monitor and record field water quality parameters [i.e., pH, conductivity, dissolved oxygen (DO), temperature, and oxidation reduction potential (ORP)] during well purging to verify stabilization prior to sampling. Turbidity was monitored using a portable turbidity meter (i.e., LaMotte 2020we or similar). Groundwater samples were collected once the following stabilization criteria were met:

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

Following purging, and once stabilization was achieved, unfiltered samples were collected into appropriately preserved laboratory-supplied sample containers. Sample bottles were placed in ice-packed coolers and submitted to Pace Analytical Services, LLC (Pace Analytical), following chain-of-custody protocol. The field sampling and equipment calibration forms generated during the August 2025 assessment monitoring event are provided in **Appendix B**.

3.4 Laboratory Analyses

Laboratory analyses were performed by Pace Analytical, which is accredited by the National Environmental Laboratory Accreditation Program (NELAP). Pace Analytical maintains a NELAP certification for the Appendix III and Appendix IV constituents analyzed for this project. Analytical methods used for groundwater sample analysis, and the associated results, are listed in the analytical laboratory reports included in

Appendix B. The groundwater analytical results from August 2025 sampling event are summarized in **Table 5**.

3.5 Quality Assurance and Quality Control Summary

Quality assurance/quality control (QA/QC) samples were collected during the groundwater monitoring event in accordance with the Site's *Groundwater Monitoring Plan* (Geosyntec, 2021), and included the following: field duplicates, equipment blanks, and field blank samples. QA/QC samples were collected in appropriately preserved laboratory-provided containers and submitted under the same chain of custody as the primary samples for analysis of the same constituents by Pace Analytical.

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

4.0 STATISTICAL ANALYSIS

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

4.1 Statistical Methods

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

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

4.1.1 Appendix III Statistical Methods

Based on guidance from GA EPD, statistical tests used to evaluate the groundwater monitoring data consist of interwell prediction limits (PLs) combined with a 1-of-2 verification resample plan for each of the Appendix III constituents. Interwell PLs pool upgradient well data to establish a background limit for an individual constituent. The most recent sample from each downgradient well is compared to the background limit to determine whether there are significant statistical increases (SSIs). An "initial exceedance" occurs when an Appendix III constituent reported in the groundwater of a downgradient detection monitoring well exceeds the constituent's associated PL. The 1-of-2 resample plan allows for collection of an independent resample. A confirmed

exceedance is noted only when the resample confirms the initial exceedance by also exceeding the statistical limit. If the resample falls within its respective prediction limit, no exceedance is declared.

4.1.2 Appendix IV Statistical Methods

To statistically compare groundwater data to GWPS, confidence intervals are constructed for each of the detected Appendix IV constituents in each downgradient detection monitoring well with a minimum of four samples. In accordance with Section 21.1.1 of the Unified Guidance (USEPA, 2009), four independent data are the minimum population size recommended to construct confidence intervals required to assess SSLs for Appendix IV constituents.

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

GWPS have been established for statistical comparison of Appendix IV constituents and are presented in **Table 6**.

4.2 Statistical Analyses Results

Based on review of the Appendix III statistical analysis discussion presented in **Appendix C**, groundwater conditions have not returned to background and assessment monitoring should continue. However, no SSLs of Appendix IV constituents were identified following statistical analyses of the August 2025 data set.

5.0 MONITORING PROGRAM STATUS

Based on the statistical evaluation results presented for the semiannual reporting period, SSIs of Appendix III constituents have not returned to background levels; and therefore, Georgia Power will continue to monitor groundwater at AP-3 in accordance with the assessment monitoring program regulations of § 257.95.

6.0 CONCLUSIONS AND FUTURE ACTIONS

This *2025 Semiannual Groundwater Monitoring and Corrective Action Report* for Plant Hammond AP-3 was prepared to fulfill the requirements of the federal CCR Rule and the GA EPD Rules for Solid Waste Management 391-3-4-.10.

Statistical analyses of the groundwater monitoring data for AP-3 for the semiannual reporting period did not identify any SSLs of Appendix IV constituents and the site will remain in assessment monitoring.

The next routine semiannual assessment monitoring event for AP-3 is scheduled to begin in February 2026.

7.0 REFERENCES

Geosyntec, 2020. Hydrogeologic Assessment Report (Revision 01) – Plant Hammond Ash Pond 3 (AP-3). November 2020.

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TABLES

Table 1
Monitoring Well Network Summary
Georgia Power Company
Plant Hammond - Ash Pond 3
Floyd County, GA

Well ID	Well Designation	Location	Northing[1]	Easting[1]	Ground Surface Elevation[1] (feet)	Top of Casing Elevation[1] (feet)	Top of Screen Elevation[2] (feet)	Bottom of Screen Elevation[2] (feet)	Total Well Depth from[3] (Feet Below Top of Casing)	Groundwater Zone Screened	Installation Date
HGWA-1	Detection	Upgradient	1550423.32	1940770.00	592.32	595.21	573.12	563.12	32.49	Bedrock	12/03/2014
HGWA-2	Detection	Upgradient	1549796.87	1939845.15	585.29	587.92	570.29	560.29	27.95	Overburden	12/02/2015
HGWA-3	Detection	Upgradient	1549794.41	1939833.39	585.23	587.74	553.23	543.23	44.51	PWR	12/02/2015
HGWA-43D	Detection	Upgradient	1550422.85	1940753.80	592.08	595.08	544.08	534.08	61.25	Bedrock	08/26/2020
HGWA-44D	Detection	Upgradient	1550409.13	1940756.18	592.01	594.79	491.76	481.76	113.28	Bedrock	08/25/2020
HGWA-45D	Detection	Upgradient	1551157.68	1941907.54	584.08	586.95	535.23	525.23	62.87	Bedrock	08/19/2020
HGWC-120	Detection	Downgradient	1551067.24	1942926.62	602.83	605.82	548.83	538.83	67.00	Bedrock	06/27/2016
HGWC-121A	Detection	Downgradient	1550607.97	1943030.44	582.31	584.69	556.71	546.71	37.98	Overburden	07/17/2017
HGWA-122	Detection	Upgradient	1551251.42	1941887.11	585.04	587.90	570.54	560.54	27.76	Overburden	11/20/2014
HGWC-124	Detection	Downgradient	1551624.93	1942781.05	579.80	582.52	557.80	547.80	35.12	Bedrock	11/13/2014
HGWC-125	Detection	Downgradient	1550821.41	1942962.87	605.70	608.89	556.03	546.03	63.19	Overburden/PWR	05/04/2020
HGWC-126	Detection	Downgradient	1550422.03	1942689.40	608.72	611.24	552.72	542.72	68.52	PWR/Bedrock	11/25/2019
MW-21	Piezometer	Upgradient	1550270.15	1941809.76	583.60	586.27	570.40	560.40	26.28	Overburden/PWR/Bedrock	12/03/2014
MW-23	Piezometer	Downgradient	1551641.44	1942496.83	582.13	584.91	563.03	553.03	32.28	Overburden/Bedrock	11/24/2014
MW-32	Piezometer	Downgradient	1551092.83	1943021.47	583.10	585.46	559.30	549.30	36.16	Overburden/PWR/Bedrock	11/22/2019
MW-39	Piezometer	Downgradient	1551111.45	1943089.26	577.60	580.42	564.93	554.93	25.82	Overburden/PWR/Bedrock	03/16/2020
MW-41	Piezometer	Downgradient	1551158.16	1943196.47	574.87	577.25	563.20	553.20	24.38	Overburden	05/18/2020
MW-46D	Piezometer	Downgradient	1551056.48	1942929.10	603.17	605.72	513.92	503.92	102.05	Bedrock	08/18/2020

Notes:
PWR = Partially weathered rock.
(1) Coordinates shown are in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Elevations shown are referenced to datum NAVD88, which indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988. Ground surface elevation measured at nail or known reference point on surface concrete pad. Survey data certified by GEL Solutions May 19, 2020. Survey data for HGWA-43D and HGWA-44D certified by GEL Solutions September 10, 2020.
(2) Well screen elevations are calculated by subtracting the depths to top and bottom of the well screen from the ground surface elevation.
(3) Total well depth accounts for sump if data provided on well construction logs.

Table 2
Groundwater Sampling Event Summary
Georgia Power Company
Plant Hammond - Ash Pond 3
Floyd County, GA

Well ID	Hydraulic Location	Well Designation	August 05 2025 - August 10 2025
			Assessment Event
Georgia Power Company - Plant Hammond Ash Pond 3			
HGWA-1	Upgradient	Detection	X
HGWA-2	Upgradient	Detection	X
HGWA-3	Upgradient	Detection	X
HGWA-43D	Upgradient	Detection	X
HGWA-44D	Upgradient	Detection	X
HGWA-45D	Upgradient	Detection	X
HGWC-120	Downgradient	Detection	X
HGWC-121A	Downgradient	Detection	X
HGWA-122	Upgradient	Detection	X
HGWC-124	Downgradient	Detection	X
HGWC-125	Downgradient	Detection	X
HGWC-126	Downgradient	Detection	X

Notes:
X - Indicates well sampled during event.
Assessment Event includes Appendix III and Appendix IV analytes.

Table 3
Summary of Groundwater and Surface Water Elevations
Georgia Power Company
Plant Hammond - Ash Pond 3
Floyd County, GA

		August 2025	
Well ID	Top of Casing Elevation (feet)[1]	Depth to Water (feet)	Groundwater Elevation (feet)[1]
HGWA-1	595.21	17.85	577.36
HGWA-2	587.92	13.47	574.45
HGWA-3	587.74	13.11	574.63
HGWA-43D	595.08	18.03	577.05
HGWA-44D	594.79	18.67	576.12
HGWA-45D	586.95	9.32	577.63
HGWC-120	605.82	39.88	565.94
HGWC-121A	584.69	17.10	567.59
HGWA-122	587.90	11.42	576.48
HGWC-124	582.52	13.85	568.67
HGWC-125	608.89	43.34	565.55
HGWC-126	611.24	40.91	570.33
MW-21	586.27	8.02	578.25
MW-23	584.91	12.29	572.62
MW-32	585.46	19.43	566.03
MW-39	580.42	14.40	566.02
MW-41	577.25	11.38	565.87
MW-46D	605.72	39.68	566.04
Cabin Creek (Hwy 20)	594.46	29.40	565.06
Cabin Creek (Railway Bridge)	586.60	21.74	564.86

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

Table 4
Horizontal Groundwater Gradient and Flow Velocity Calculations
Georgia Power Company
Plant Hammond Ash Pond 3
Floyd County, GA

Gauging Event	Well Pair	Groundwater Elevations in Well Pairs[(1)] (ft)		Change in Elevation (ft)	Distance Between Well 1 and Well 2 (L) (ft)	Hydraulic Gradient (i) (ft/ft)	Hydraulic Conductivity (K_h) (ft/day)	Estimated Effective Porosity (n_e)	Calculated Groundwater Flow Velocity (V) (ft/day)	Calculated Groundwater Flow Velocity (V) (ft/year)
August 2025	HGWA-122 to HGWC-120	576.48	565.94	10.54	1,056.8	0.010	2.76	0.15	0.18	67.2

Notes:
ft = feet
ft/day = feet per day
ft/ft = feet per foot
ft/year = feet per year
K_h = Average horizontal hydraulic conductivity
Average horizontal hydraulic conductivity (K_h) of 2.76 feet per day (ft/day) was computed from slug test data derived from AP-3.
n_e = effective porosity
V = groundwater flow velocity
Groundwater flow velocity equation: $V= (K_h * i)/n_e$
$i = h_1-h_2/L$ = horizontal hydraulic gradient (h_1 and h_2 = groundwater elevation at location 1 and 2)
L = distance between location 1 and 2 along the flow path. See Figure 3 for illustrated flow path.
(1) Elevations shown are referenced to datum NAVD88, which indicates feet in elevation referenced to the North American Vertical Datum 1988.

Table 5
Summary of Groundwater Analytical Data
Georgia Power Company
Plant Hammond - Ash Pond 3
Floyd County, GA

	Sample Location	HGWA-1	HGWA-2	HGWA-3	HGWA-43D	HGWA-44D	HGWA-45D	HGWC-120	HGWC-121A	HGWA-122	HGWC-124	HGWC-125	HGWC-126
	Sample Date	08/05/2025	08/05/2025	08/05/2025	08/05/2025	08/05/2025	08/05/2025	08/07/2025	08/07/2025	08/05/2025	08/10/2025	08/07/2025	08/07/2025
ANALYTE	UNITS												
APPENDIX III													
Boron	mg/L	0.019 J	0.044	0.0090 J	0.039 J	0.45	0.15	1.1	1.4	0.17	0.44	1.5	0.014 J
Calcium	mg/L	113	24.1	72.6	55.2	6.0	46.4	152	136	58.2	101	156	126
Chloride	mg/L	17.2	9.6	5.5	4.0	29.7	3.8	2.5	9.3	1.8	2.4	8.5	8.8
Fluoride	mg/L	0.055 J	< 0.050	< 0.050	0.16	0.87	0.19	0.44	0.23	0.092 J	0.066 J	0.19	0.62
pH, Field	SU	6.94	4.90	7.12	7.42	8.46	7.41	6.90	6.80	6.58	7.14	6.13	6.92
Sulfate	mg/L	57.6	74.0	24.9	22.4	0.85 J	2.0	149	91.3	35.5	61.6	227	68.9
TDS	mg/L	416	160	265	282	370	440	637	573	198	333	706	539
APPENDIX IV													
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Barium	mg/L	0.033	0.053	0.11	0.27	0.092	0.49	0.047	0.046	0.030	0.065	0.034	0.23
Beryllium	mg/L	< 0.00015	0.00026 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Cadmium	mg/L	< 0.00012	0.00022 J	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.0012	0.030	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0067	< 0.0012	< 0.0012	< 0.0012	0.011	< 0.0012
Lead	mg/L	< 0.00025	< 0.00025	0.00030 J	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025
Lithium	mg/L	0.00116 J	0.00260	0.00374	0.00308	0.104	0.00620	0.0195	0.00601	0.00124 J	0.00126 J	0.00366	0.00504
Mercury	mg/L	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091
Molybdenum	mg/L	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	0.032	< 0.0025	0.0026 J	< 0.0025	0.0036 J	< 0.0025
Combined Radium 226 + 228	pCi/L	0.226 U	0.278 U	0.125 U	0.994 U	0.255 U	1.15 U	0.838 U	0.918 U	0.507 U	0.683 U	1.31 U	1.74
Selenium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Thallium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Fluoride	mg/L	0.055 J	< 0.050	< 0.050	0.16	0.87	0.19	0.44	0.23	0.092 J	0.066 J	0.19	0.62

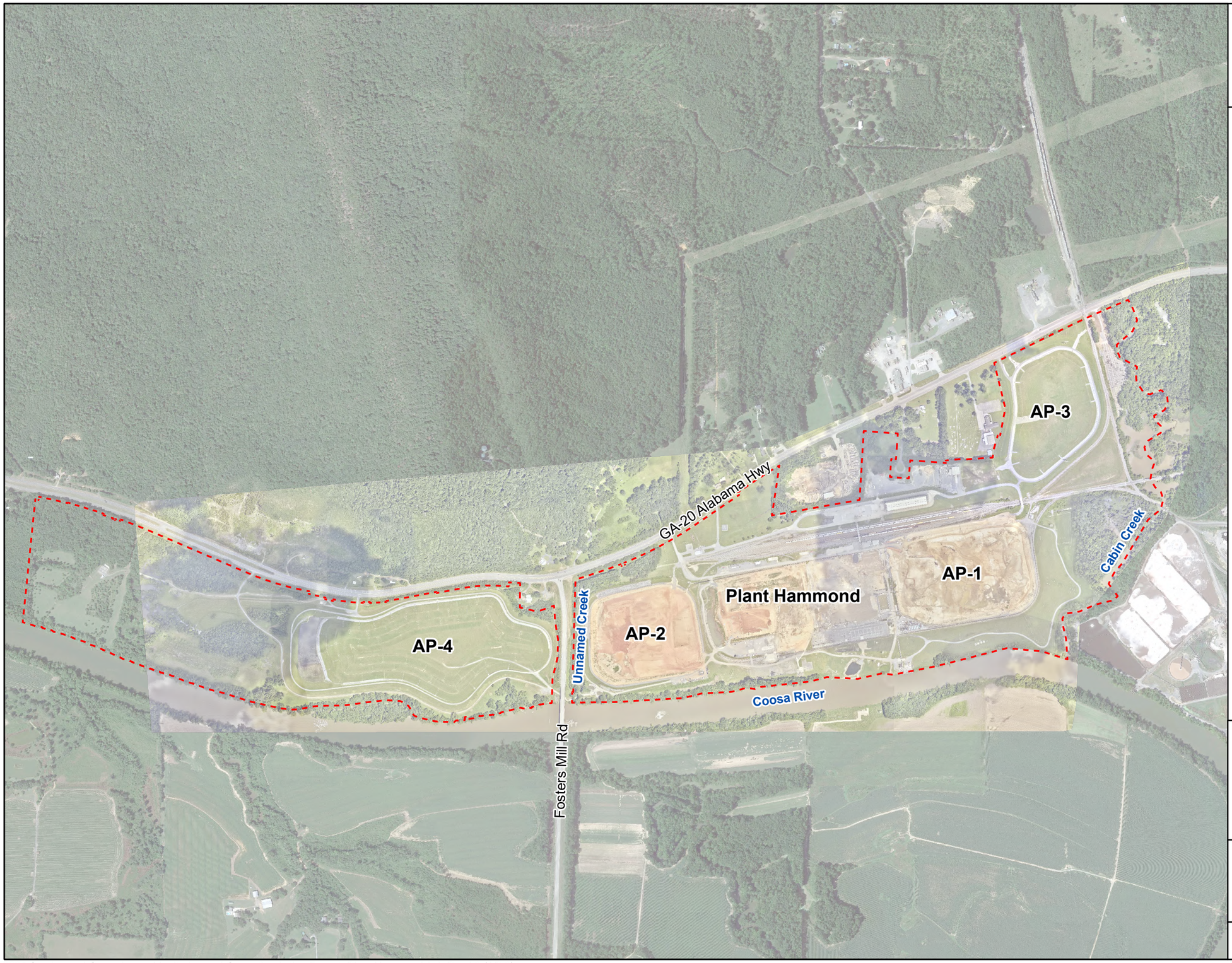
Notes:
mg/L - milligrams per liter
pCi/L - picocuries per liter
SU - Standard Units
NA - Indicates not analyzed
TDS - Total Dissolved Solids
< indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J - The result is an estimated concentration.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

Table 6
Summary of Background Concentrations and Groundwater Protection Standards
Georgia Power Company
Plant Hammond Ash Pond 3
Floyd County, GA

Analyte	Units	MCL	Federal CCR Rules Specified GWPS[1]	Background[2]	GWPS[3]
Antimony	mg/L	0.006		0.002	0.006
Arsenic	mg/L	0.01		0.0036	0.01
Barium	mg/L	2		0.64	2
Beryllium	mg/L	0.004		0.0004	0.004
Cadmium	mg/L	0.005		0.0005	0.005
Chromium	mg/L	0.1		0.0079	0.1
Cobalt	mg/L		0.006	0.038	0.038
Combined Radium 226 + 228	pCi/L	5		1.66	5
Fluoride	mg/L	4		1.5	4
Lead	mg/L		0.015	0.001	0.015
Lithium	mg/L		0.040	0.064	0.064
Mercury	mg/L	0.002		0.0002	0.002
Molybdenum	mg/L		0.1	0.01	0.1
Selenium	mg/L	0.05		0.005	0.05
Thallium	mg/L	0.002		0.0005	0.002

Notes:
CCR = Coal Cumbustion Residuals
EPA = Environmental Protection Agency
GWPS = Groundwater Protection Standard
MCL = Maximum Contaminant Level
mg/L = miligrams per liter
pCi/L = picocuries per liter
(1) On February 22, 2022, the Georgia Environmental Protection Division (GA EPD) adopted the federally promulgated GWPS for cobalt, lithium, lead, and molybdenum.
(2) The background limits were used when determining the GWPS under 40 CFR 257.95(h) and GA EPD Rule 391-3-4-.10(6)(a).
(3) Under 40 CFR 257.95(h)(1-3) the GWPS is: (i) the maximum contaminant level (MCL) established under §§141.62 and 141.66 of this title; (ii) where an MCL has not been established a rule-specific GWPS; or (iii) background levels for constituents where the background level is higher than the MCL or rule-specified GWPS.

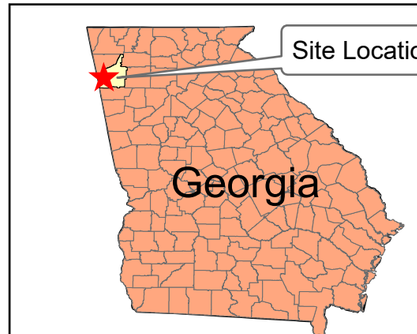
FIGURES



N

LEGEND

Plant Hammond Property Boundary



Note:
1. Aerial photograph source: Google Earth Pro August 2019 and Georgia Power Company, June 2025.

0 500 1,000 2,000

SCALE IN FEET

SITE LOCATION MAP

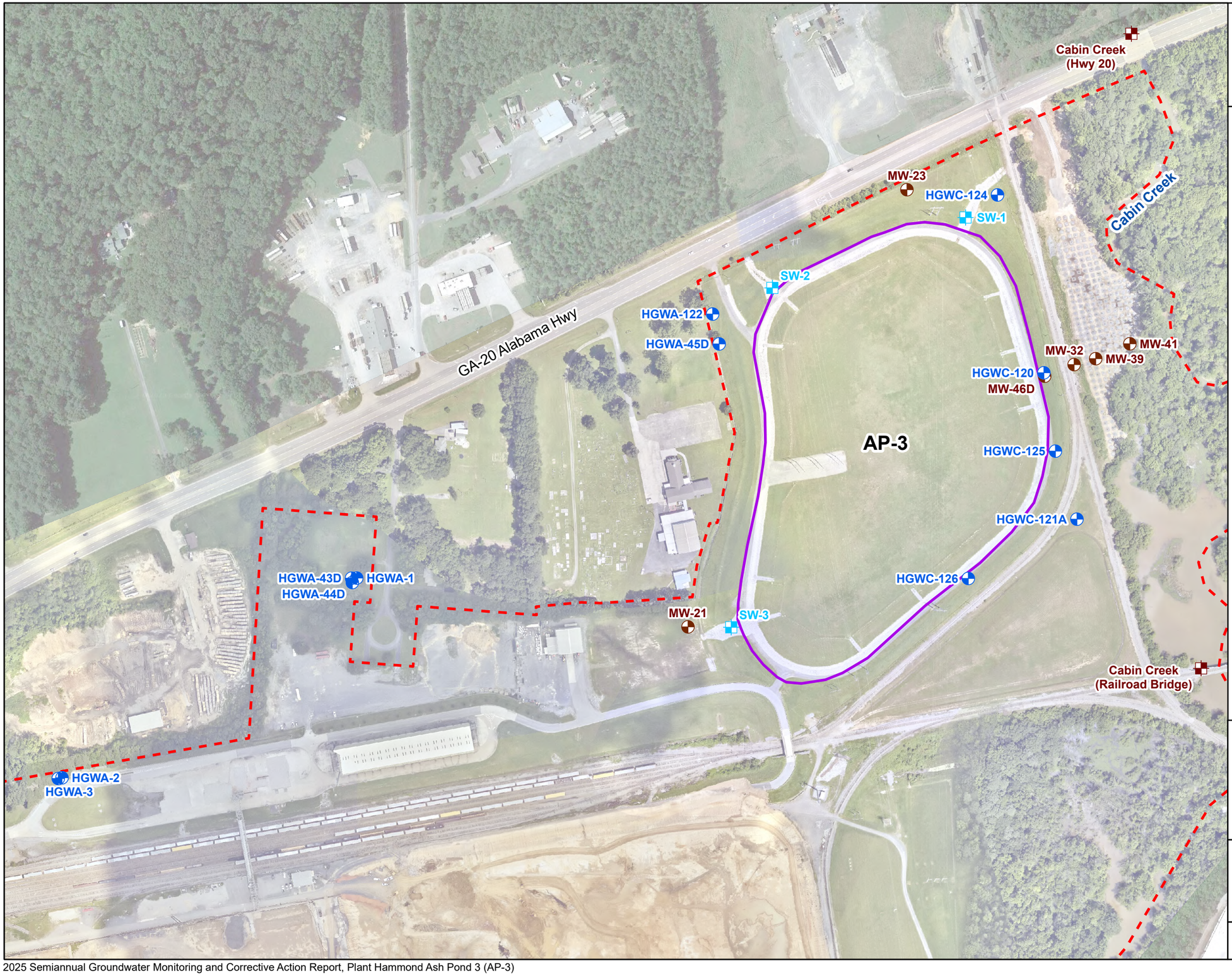
GEORGIA POWER COMPANY
PLANT HAMMOND AP-3
ROME, FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | FEBRUARY 2026

FIGURE 1



N

LEGEND

- Detection Monitoring Well
- Piezometer
- Surface Water Level Gauge Point
- Surface Water Sample Point
- Approximate AP-3 Boundary
- Plant Hammond Property Boundary

Note:
1. Aerial photograph source: Google Earth Pro August 2019 and Georgia Power Company, June 2025.

0 150 300 600

SCALE IN FEET

MONITORING WELL NETWORK AND SAMPLING LOCATION MAP

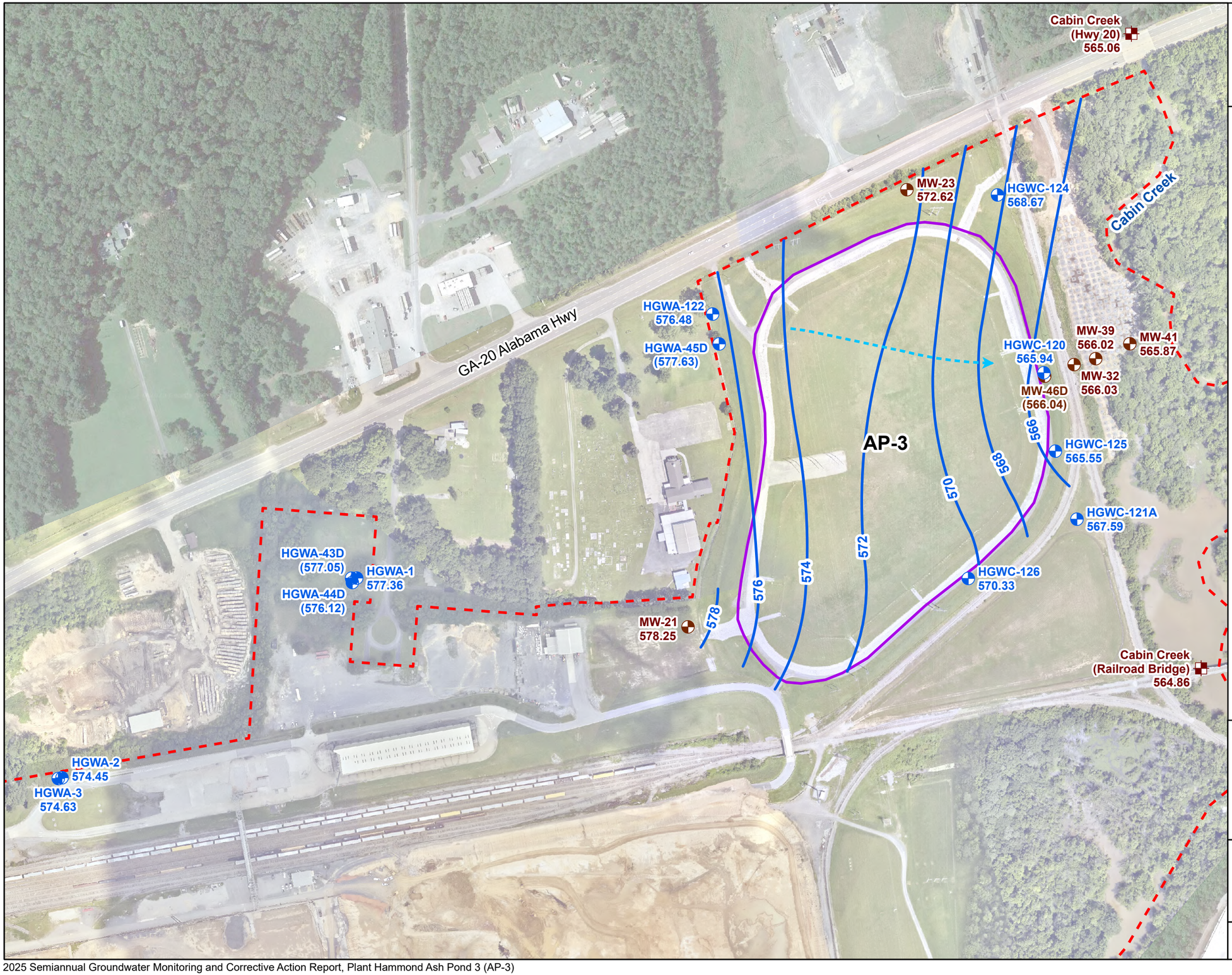
GEORGIA POWER COMPANY
PLANT HAMMOND AP-3
ROME, FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | FEBRUARY 2026

FIGURE 2



N

LEGEND

- Detection Monitoring Well
- Piezometer
- Surface Water Level Gauge Point
- Groundwater Elevation Contour
- Approximate Groundwater Flow Direction
- Approximate AP-3 Boundary
- Plant Hammond Property Boundary

GEORGIA REGISTERED No. PE036641 PROFESSIONAL ENGINEER WHITNEY B. LAW

Notes:
1. Water level elevation recorded on August 4, 2025. Elevation provided in feet (ft) referenced to the North American Vertical Datum of 1988 (NAVD 88).
2. Groundwater elevations in parentheses were not used to make the groundwater contours because these wells are screened at a different elevation in the formation/aquifer.
3. Aerial photograph source: Google Earth Pro, August 2019 and Georgia Power Company, June 2025.

0 150 300 600

SCALE IN FEET

POTENTIOMETRIC SURFACE CONTOUR MAP - AUGUST 2025

GEORGIA POWER COMPANY
PLANT HAMMOND AP-3
ROME, FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

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FIGURE 3

APPENDIX A

Well Maintenance and Repair Documentation Memorandum

Geosyntec consultants

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144
PH 678.202.9500
FAX 678.202.9501
www.geosyntec.com

MEMORANDUM

DATE: November 13, 2025

TO: Kristen Jurinko, P.G., Southern Company Services, Inc.

CC: Ben Hodges, P.G. Georgia Power Company

FROM: Geosyntec Consultants

SUBJECT: **Plant Hammond Ash Pond 3 (AP-3) – Well Maintenance and Repair Documentation, Georgia Power Company**

Geosyntec Consultants has prepared this memorandum to provide documentation of groundwater monitoring well maintenance and/or repair performed at Plant Hammond Ash Pond 3 (AP-3) during the August 2025 sampling event. All repairs and maintenance were completed in accordance with the Georgia Environmental Protection Division (GA EPD) guidance on routine visual inspections of groundwater monitoring wells. Documentation of the well inspections are provided as an attachment to this memorandum.

Georgia Power Site/Unit	Date Performed	Well ID	Maintenance/ Repair Performed
Hammond/AP-3	8/4/2025	All Wells	Checked and cleared weep holes of debris.

Attachment
Well Inspection Summary Table

Well Inspection

Site Name: Plant Hammond AP-3

Date: 08/04/2025

Permit Number: 057-026D (CCR)

Field Conditions: Partly Cloudy, 65° F

Well ID:	Location/Identification			
	Visible and accessible	Properly identified with correct well ID	Located in high traffic area; does the well require protection from traffic	Acceptable drainage around well (no standing water, not located in obvious drainage flow path)
HGWA-1	Yes	Yes	No	Yes
HGWA-2	Yes	Yes	No	Yes
HGWA-3	Yes	Yes	No	Yes
HGWA-43D	Yes	Yes	No	Yes
HGWA-44D	Yes	Yes	No	Yes
HGWA-45D	Yes	Yes	No	Yes
HGWA-122	Yes	Yes	No	Yes
HGWC-120	Yes	Yes	No	Yes
HGWC-121A	Yes	Yes	No	Yes
HGWC-124	Yes	Yes	No	Yes
HGWC-125	Yes	Yes	No	Yes
HGWC-126	Yes	Yes	No	Yes
MW-21	Yes	Yes	No	Yes
MW-23	Yes	Yes	No	Yes
MW-32	Yes	Yes	No	Yes
MW-39	Yes	Yes	No	Yes
MW-41	Yes	Yes	No	Yes
MW-46D	Yes	Yes	No	Yes

Well Inspection

Site Name: Plant Hammond AP-3

Date: 08/04/2025

Permit Number: 057-026D (CCR)

Field Conditions: Partly Cloudy, 65° F

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	No degradation or deterioration	Functioning weep hole	Annular space clear of debris and water, or filled with pea gravel/sand	Locked and is the lock in good condition
HGWA-1	Yes	Yes	Yes	Yes	Yes
HGWA-2	Yes	Yes	Yes	Yes	Yes
HGWA-3	Yes	Yes	Yes	Yes	Yes
HGWA-43D	Yes	Yes	Yes	Yes	Yes
HGWA-44D	Yes	Yes	Yes	Yes	Yes
HGWA-45D	Yes	Yes	Yes	Yes	Yes
HGWA-122	Yes	Yes	Yes	Yes	Yes
HGWC-120	Yes	Yes	Yes	Yes	Yes
HGWC-121A	Yes	Yes	Yes	Yes	Yes
HGWC-124	Yes	Yes	Yes	Yes	Yes
HGWC-125	Yes	Yes	Yes	Yes	Yes
HGWC-126	Yes	Yes	Yes	Yes	Yes
MW-21	Yes	Yes	Yes	Yes	Yes
MW-23	Yes	Yes	Yes	Yes	Yes
MW-32	Yes	Yes	Yes	Yes	Yes
MW-39	Yes	Yes	Yes	Yes	Yes
MW-41	Yes	Yes	Yes	Yes	Yes
MW-46D	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Hammond AP-3

Date: 08/04/2025

Permit Number: 057-026D (CCR)

Field Conditions: Partly Cloudy, 65° F

Well ID:	Surface Pad			Internal Casing		
	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
HGWA-1	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-2	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-3	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-43D	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-44D	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-45D	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-122	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-120	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-121A	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-124	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-125	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-126	Yes	Yes	Yes	Yes	Yes	Yes
MW-21	Yes	Yes	Yes	Yes	Yes	Yes
MW-23	Yes	Yes	Yes	Yes	Yes	Yes
MW-32	Yes	Yes	Yes	Yes	Yes	Yes
MW-39	Yes	Yes	Yes	Yes	Yes	Yes
MW-41	No	Yes	Yes	Yes	Yes	Yes
MW-46D	Yes	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Hammond AP-3

Date: 08/04/2025

Permit Number: 057-026D (CCR)

Field Conditions: Partly Cloudy, 65° F

Well ID:	Corrective actions as needed, by date:
HGWA-1	N/A
HGWA-2	N/A
HGWA-3	N/A
HGWA-43D	N/A
HGWA-44D	N/A
HGWA-45D	N/A
HGWA-122	N/A
HGWC-120	N/A
HGWC-121A	N/A
HGWC-124	N/A
HGWC-125	N/A
HGWC-126	N/A
MW-21	N/A
MW-23	N/A
MW-32	N/A
MW-39	N/A
MW-41	N/A
MW-46D	N/A

APPENDIX B

Laboratory Analytical and Field Sampling Reports

LABORATORY ANALYTICAL RESULTS

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

September 02, 2025

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between August 06, 2025 and August 11, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

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

Sincerely,

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Jamie Newsome, Geosyntec Consultants
Amanda Tomlinson, Geosyntec Consultants
Zain Webb, Geosyntec Consultants

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Pace Analytical Services National

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

Pace Analytical Services Asheville

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

Pace Analytical Services West Columbia

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

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92811498001	**HAM-HGWA-45D**	Water	08/05/25 14:28	08/06/25 15:50
92811498002	**HAM-HGWA-122**	Water	08/05/25 16:10	08/06/25 15:50
92811498003	**HAM-HGWC-120**	Water	08/07/25 12:42	08/08/25 15:50
92811498004	**HAM-HGWC-121A**	Water	08/07/25 11:02	08/08/25 15:50
92811498005	**HAM-HGWC-125**	Water	08/07/25 14:02	08/08/25 15:50
92811498006	**HAM-HGWC-126**	Water	08/07/25 15:38	08/08/25 15:50
92811498007	**HAM-HGWC-124**	Water	08/10/25 09:35	08/11/25 14:40
92811498008	**HAM-AP3-FD-01**	Water	08/10/25 00:00	08/11/25 14:40
92811498009	**HAM-AP3-EB-01**	Water	08/10/25 10:00	08/11/25 14:40
92811498010	**HAM-AP3-FB-01**	Water	08/10/25 10:05	08/11/25 14:40

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Huntersville, NC 28078
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SAMPLE ANALYTE COUNT

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92811498001	**HAM-HGWA-45D**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811498002	**HAM-HGWA-122**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811498003	**HAM-HGWC-120**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811498004	**HAM-HGWC-121A**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811498005	**HAM-HGWC-125**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811498006	**HAM-HGWC-126**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811498007	**HAM-HGWC-124**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811498008	**HAM-AP3-FD-01**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	CDM	1	PASI-A

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811498009	**HAM-AP3-EB-01**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811498010	**HAM-AP3-FB-01**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

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

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Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811498001	**HAM-HGWA-45D**					
EPA 6020B	Lithium	0.00620	mg/L	0.00200	08/27/25 18:53	
SM 2540C-2020	Total Dissolved Solids	440	mg/L	25.0	08/09/25 15:48	
EPA 300.0 Rev 2.1 1993	Chloride	3.8	mg/L	1.0	08/08/25 01:38	
EPA 300.0 Rev 2.1 1993	Fluoride	0.19	mg/L	0.10	08/08/25 01:38	
EPA 300.0 Rev 2.1 1993	Sulfate	2.0	mg/L	1.0	08/08/25 01:38	
EPA 6020B	Barium	0.49	mg/L	0.025	08/14/25 11:21	
EPA 6020B	Boron	0.15	mg/L	0.040	08/14/25 07:29	
EPA 6020B	Calcium	46.4	mg/L	2.0	08/14/25 11:21	
92811498002	**HAM-HGWA-122**					
EPA 6020B	Lithium	0.00124J	mg/L	0.00200	08/27/25 12:56	J
SM 2540C-2020	Total Dissolved Solids	198	mg/L	25.0	08/09/25 15:48	
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	08/08/25 01:53	
EPA 300.0 Rev 2.1 1993	Fluoride	0.092J	mg/L	0.10	08/08/25 01:53	
EPA 300.0 Rev 2.1 1993	Sulfate	35.5	mg/L	1.0	08/08/25 01:53	
EPA 6020B	Barium	0.030	mg/L	0.0050	08/14/25 07:38	
EPA 6020B	Boron	0.17	mg/L	0.040	08/14/25 07:38	
EPA 6020B	Calcium	58.2	mg/L	2.0	08/15/25 22:09	
EPA 6020B	Molybdenum	0.0026J	mg/L	0.010	08/14/25 07:38	
92811498003	**HAM-HGWC-120**					
EPA 6020B	Lithium	0.0195	mg/L	0.00200	08/28/25 01:20	
SM 2540C-2020	Total Dissolved Solids	637	mg/L	25.0	08/13/25 11:51	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	08/12/25 04:21	
EPA 300.0 Rev 2.1 1993	Fluoride	0.44	mg/L	0.10	08/12/25 04:21	
EPA 300.0 Rev 2.1 1993	Sulfate	149	mg/L	4.0	08/12/25 18:57	
EPA 6020B	Barium	0.047	mg/L	0.0050	08/20/25 14:21	
EPA 6020B	Boron	1.1	mg/L	0.40	08/21/25 19:57	
EPA 6020B	Calcium	152	mg/L	4.0	08/22/25 13:15	
EPA 6020B	Cobalt	0.0067	mg/L	0.0050	08/20/25 14:21	
EPA 6020B	Molybdenum	0.032	mg/L	0.010	08/20/25 14:21	
92811498004	**HAM-HGWC-121A**					
EPA 6020B	Lithium	0.00601	mg/L	0.00200	08/28/25 01:24	
SM 2540C-2020	Total Dissolved Solids	573	mg/L	25.0	08/13/25 11:51	
EPA 300.0 Rev 2.1 1993	Chloride	9.3	mg/L	1.0	08/12/25 04:36	
EPA 300.0 Rev 2.1 1993	Fluoride	0.23	mg/L	0.10	08/12/25 04:36	
EPA 300.0 Rev 2.1 1993	Sulfate	91.3	mg/L	3.0	08/12/25 19:14	
EPA 6020B	Barium	0.046	mg/L	0.0050	08/20/25 14:25	
EPA 6020B	Boron	1.4	mg/L	0.40	08/21/25 20:06	
EPA 6020B	Calcium	136	mg/L	4.0	08/22/25 13:24	
92811498005	**HAM-HGWC-125**					
EPA 6020B	Lithium	0.00366	mg/L	0.00200	08/28/25 01:27	
SM 2540C-2020	Total Dissolved Solids	706	mg/L	50.0	08/14/25 12:01	
EPA 300.0 Rev 2.1 1993	Chloride	8.5	mg/L	1.0	08/12/25 04:51	
EPA 300.0 Rev 2.1 1993	Fluoride	0.19	mg/L	0.10	08/12/25 04:51	
EPA 300.0 Rev 2.1 1993	Sulfate	227	mg/L	7.0	08/12/25 20:07	
EPA 6020B	Barium	0.034	mg/L	0.0050	08/20/25 14:29	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

SUMMARY OF DETECTION

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811498005	**HAM-HGWC-125**					
EPA 6020B	Boron	1.5	mg/L	0.40	08/21/25 20:14	
EPA 6020B	Calcium	156	mg/L	4.0	08/22/25 13:32	
EPA 6020B	Cobalt	0.011	mg/L	0.0050	08/20/25 14:29	
EPA 6020B	Molybdenum	0.0036J	mg/L	0.010	08/20/25 14:29	
92811498006	**HAM-HGWC-126**					
EPA 6020B	Lithium	0.00504	mg/L	0.00200	08/28/25 01:30	
SM 2540C-2020	Total Dissolved Solids	539	mg/L	25.0	08/14/25 12:01	
EPA 300.0 Rev 2.1 1993	Chloride	8.8	mg/L	1.0	08/12/25 05:05	
EPA 300.0 Rev 2.1 1993	Fluoride	0.62	mg/L	0.10	08/12/25 05:05	
EPA 300.0 Rev 2.1 1993	Sulfate	68.9	mg/L	1.0	08/12/25 05:05	
EPA 6020B	Barium	0.23	mg/L	0.0050	08/20/25 14:33	
EPA 6020B	Boron	0.014J	mg/L	0.040	08/21/25 20:23	
EPA 6020B	Calcium	126	mg/L	4.0	08/22/25 13:41	
92811498007	**HAM-HGWC-124**					
EPA 6020B	Lithium	0.00126J	mg/L	0.00200	08/29/25 16:42	J
SM 2540C-2020	Total Dissolved Solids	333	mg/L	25.0	08/14/25 16:48	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	08/13/25 04:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.066J	mg/L	0.10	08/13/25 04:49	
EPA 300.0 Rev 2.1 1993	Sulfate	61.6	mg/L	1.0	08/13/25 04:49	
EPA 6020B	Barium	0.065	mg/L	0.0050	08/15/25 06:16	
EPA 6020B	Boron	0.44	mg/L	0.20	08/20/25 07:35	
EPA 6020B	Calcium	101	mg/L	4.0	08/15/25 08:44	
92811498008	**HAM-AP3-FD-01**					
EPA 6020B	Lithium	0.00101J	mg/L	0.00200	08/29/25 16:45	J
SM 2540C-2020	Total Dissolved Solids	336	mg/L	25.0	08/14/25 16:48	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	08/13/25 05:05	
EPA 300.0 Rev 2.1 1993	Fluoride	0.066J	mg/L	0.10	08/13/25 05:05	
EPA 300.0 Rev 2.1 1993	Sulfate	61.7	mg/L	1.0	08/13/25 05:05	
EPA 6020B	Barium	0.063	mg/L	0.0050	08/15/25 06:25	
EPA 6020B	Boron	0.42	mg/L	0.20	08/20/25 07:44	
EPA 6020B	Calcium	96.7	mg/L	4.0	08/15/25 08:54	

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Sample: HAM-HGWA-45D **Lab ID: 92811498001** Collected: 08/05/25 14:28 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00620**	mg/L	0.00200	0.000600	1	08/14/25 08:53	08/27/25 18:53	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**440**	mg/L	25.0	25.0	1		08/09/25 15:48		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.8**	mg/L	1.0	0.60	1		08/08/25 01:38	16887-00-6	
Fluoride	**0.19**	mg/L	0.10	0.050	1		08/08/25 01:38	16984-48-8	
Sulfate	**2.0**	mg/L	1.0	0.50	1		08/08/25 01:38	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 07:29	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 07:29	7440-38-2	
Barium	**0.49**	mg/L	0.025	0.0062	5	08/11/25 20:04	08/14/25 11:21	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 07:29	7440-41-7	
Boron	**0.15**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/14/25 07:29	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 07:29	7440-43-9	
Calcium	**46.4**	mg/L	2.0	0.50	5	08/11/25 20:04	08/14/25 11:21	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 07:29	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 07:29	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 07:29	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 07:29	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 07:29	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 07:29	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/09/25 13:41	08/09/25 17:54	7439-97-6	

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Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Sample: HAM-HGWA-122 **Lab ID: 92811498002** Collected: 08/05/25 16:10 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00124J**	mg/L	0.00200	0.000600	1	08/14/25 08:53	08/27/25 12:56	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**198**	mg/L	25.0	25.0	1		08/09/25 15:48		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**1.8**	mg/L	1.0	0.60	1		08/08/25 01:53	16887-00-6	
Fluoride	**0.092J**	mg/L	0.10	0.050	1		08/08/25 01:53	16984-48-8	
Sulfate	**35.5**	mg/L	1.0	0.50	1		08/08/25 01:53	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 07:38	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 07:38	7440-38-2	
Barium	**0.030**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 07:38	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 07:38	7440-41-7	
Boron	**0.17**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/14/25 07:38	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 07:38	7440-43-9	
Calcium	**58.2**	mg/L	2.0	0.50	5	08/11/25 20:04	08/15/25 22:09	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 07:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 07:38	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 07:38	7439-92-1	
Molybdenum	**0.0026J**	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 07:38	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 07:38	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 07:38	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/09/25 13:41	08/09/25 17:56	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

ANALYTICAL RESULTS

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Sample: HAM-HGWC-120 **Lab ID: 92811498003** Collected: 08/07/25 12:42 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0195**	mg/L	0.00200	0.000600	1	08/15/25 14:20	08/28/25 01:20	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**637**	mg/L	25.0	25.0	1		08/13/25 11:51		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**2.5**	mg/L	1.0	0.60	1		08/12/25 04:21	16887-00-6	
Fluoride	**0.44**	mg/L	0.10	0.050	1		08/12/25 04:21	16984-48-8	
Sulfate	**149**	mg/L	4.0	2.0	4		08/12/25 18:57	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/12/25 14:50	08/20/25 14:21	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/12/25 14:50	08/20/25 14:21	7440-38-2	
Barium	**0.047**	mg/L	0.0050	0.0012	1	08/12/25 14:50	08/20/25 14:21	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/12/25 14:50	08/20/25 14:21	7440-41-7	
Boron	**1.1**	mg/L	0.40	0.062	10	08/12/25 14:50	08/21/25 19:57	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/12/25 14:50	08/20/25 14:21	7440-43-9	
Calcium	**152**	mg/L	4.0	1.0	10	08/12/25 14:50	08/22/25 13:15	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/12/25 14:50	08/20/25 14:21	7440-47-3	
Cobalt	**0.0067**	mg/L	0.0050	0.0012	1	08/12/25 14:50	08/20/25 14:21	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/12/25 14:50	08/20/25 14:21	7439-92-1	
Molybdenum	**0.032**	mg/L	0.010	0.0025	1	08/12/25 14:50	08/20/25 14:21	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/12/25 14:50	08/20/25 14:21	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/12/25 14:50	08/20/25 14:21	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	0.000091	1	08/12/25 21:21	08/14/25 00:17	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Sample: HAM-HGWC-121A **Lab ID: 92811498004** Collected: 08/07/25 11:02 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00601**	mg/L	0.00200	0.000600	1	08/15/25 14:20	08/28/25 01:24	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**573**	mg/L	25.0	25.0	1		08/13/25 11:51		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**9.3**	mg/L	1.0	0.60	1		08/12/25 04:36	16887-00-6	
Fluoride	**0.23**	mg/L	0.10	0.050	1		08/12/25 04:36	16984-48-8	
Sulfate	**91.3**	mg/L	3.0	1.5	3		08/12/25 19:14	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/12/25 14:50	08/20/25 14:25	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/12/25 14:50	08/20/25 14:25	7440-38-2	
Barium	**0.046**	mg/L	0.0050	0.0012	1	08/12/25 14:50	08/20/25 14:25	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/12/25 14:50	08/20/25 14:25	7440-41-7	
Boron	**1.4**	mg/L	0.40	0.062	10	08/12/25 14:50	08/21/25 20:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/12/25 14:50	08/20/25 14:25	7440-43-9	
Calcium	**136**	mg/L	4.0	1.0	10	08/12/25 14:50	08/22/25 13:24	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/12/25 14:50	08/20/25 14:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/12/25 14:50	08/20/25 14:25	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/12/25 14:50	08/20/25 14:25	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/12/25 14:50	08/20/25 14:25	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/12/25 14:50	08/20/25 14:25	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/12/25 14:50	08/20/25 14:25	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/12/25 21:21	08/14/25 00:20	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Sample: HAM-HGWC-125 **Lab ID: 92811498005** Collected: 08/07/25 14:02 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00366**	mg/L	0.00200	0.000600	1	08/15/25 14:20	08/28/25 01:27	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**706**	mg/L	50.0	50.0	1		08/14/25 12:01		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**8.5**	mg/L	1.0	0.60	1		08/12/25 04:51	16887-00-6	
Fluoride	**0.19**	mg/L	0.10	0.050	1		08/12/25 04:51	16984-48-8	
Sulfate	**227**	mg/L	7.0	3.5	7		08/12/25 20:07	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/12/25 14:50	08/20/25 14:29	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/12/25 14:50	08/20/25 14:29	7440-38-2	
Barium	**0.034**	mg/L	0.0050	0.0012	1	08/12/25 14:50	08/20/25 14:29	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/12/25 14:50	08/20/25 14:29	7440-41-7	
Boron	**1.5**	mg/L	0.40	0.062	10	08/12/25 14:50	08/21/25 20:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/12/25 14:50	08/20/25 14:29	7440-43-9	
Calcium	**156**	mg/L	4.0	1.0	10	08/12/25 14:50	08/22/25 13:32	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/12/25 14:50	08/20/25 14:29	7440-47-3	
Cobalt	**0.011**	mg/L	0.0050	0.0012	1	08/12/25 14:50	08/20/25 14:29	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/12/25 14:50	08/20/25 14:29	7439-92-1	
Molybdenum	**0.0036J**	mg/L	0.010	0.0025	1	08/12/25 14:50	08/20/25 14:29	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/12/25 14:50	08/20/25 14:29	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/12/25 14:50	08/20/25 14:29	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/12/25 21:21	08/14/25 00:30	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Sample: HAM-HGWC-126 **Lab ID: 92811498006** Collected: 08/07/25 15:38 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00504**	mg/L	0.00200	0.000600	1	08/15/25 14:20	08/28/25 01:30	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**539**	mg/L	25.0	25.0	1		08/14/25 12:01		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**8.8**	mg/L	1.0	0.60	1		08/12/25 05:05	16887-00-6	
Fluoride	**0.62**	mg/L	0.10	0.050	1		08/12/25 05:05	16984-48-8	
Sulfate	**68.9**	mg/L	1.0	0.50	1		08/12/25 05:05	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/12/25 14:50	08/20/25 14:33	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/12/25 14:50	08/20/25 14:33	7440-38-2	
Barium	**0.23**	mg/L	0.0050	0.0012	1	08/12/25 14:50	08/20/25 14:33	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/12/25 14:50	08/20/25 14:33	7440-41-7	
Boron	**0.014J**	mg/L	0.040	0.0062	1	08/12/25 14:50	08/21/25 20:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/12/25 14:50	08/20/25 14:33	7440-43-9	
Calcium	**126**	mg/L	4.0	1.0	10	08/12/25 14:50	08/22/25 13:41	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/12/25 14:50	08/20/25 14:33	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/12/25 14:50	08/20/25 14:33	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/12/25 14:50	08/20/25 14:33	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/12/25 14:50	08/20/25 14:33	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/12/25 14:50	08/20/25 14:33	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/12/25 14:50	08/20/25 14:33	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/12/25 21:21	08/14/25 00:27	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Sample: HAM-HGWC-124 **Lab ID: 92811498007** Collected: 08/10/25 09:35 Received: 08/11/25 14:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00126J**	mg/L	0.00200	0.000600	1	08/19/25 10:27	08/29/25 16:42	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**333**	mg/L	25.0	25.0	1		08/14/25 16:48		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**2.4**	mg/L	1.0	0.60	1		08/13/25 04:49	16887-00-6	
Fluoride	**0.066J**	mg/L	0.10	0.050	1		08/13/25 04:49	16984-48-8	
Sulfate	**61.6**	mg/L	1.0	0.50	1		08/13/25 04:49	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/14/25 10:12	08/15/25 06:16	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/14/25 10:12	08/15/25 06:16	7440-38-2	
Barium	**0.065**	mg/L	0.0050	0.0012	1	08/14/25 10:12	08/15/25 06:16	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/14/25 10:12	08/15/25 06:16	7440-41-7	
Boron	**0.44**	mg/L	0.20	0.031	5	08/14/25 10:12	08/20/25 07:35	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/14/25 10:12	08/15/25 06:16	7440-43-9	
Calcium	**101**	mg/L	4.0	1.0	10	08/14/25 10:12	08/15/25 08:44	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/14/25 10:12	08/15/25 06:16	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/14/25 10:12	08/15/25 06:16	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/14/25 10:12	08/15/25 06:16	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/14/25 10:12	08/15/25 06:16	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/14/25 10:12	08/15/25 06:16	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/14/25 10:12	08/15/25 06:16	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/15/25 21:14	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Sample: HAM-AP3-FD-01 **Lab ID: 92811498008** Collected: 08/10/25 00:00 Received: 08/11/25 14:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00101J**	mg/L	0.00200	0.000600	1	08/19/25 10:27	08/29/25 16:45	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**336**	mg/L	25.0	25.0	1		08/14/25 16:48		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**2.5**	mg/L	1.0	0.60	1		08/13/25 05:05	16887-00-6	
Fluoride	**0.066J**	mg/L	0.10	0.050	1		08/13/25 05:05	16984-48-8	
Sulfate	**61.7**	mg/L	1.0	0.50	1		08/13/25 05:05	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/14/25 10:12	08/15/25 06:25	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/14/25 10:12	08/15/25 06:25	7440-38-2	
Barium	**0.063**	mg/L	0.0050	0.0012	1	08/14/25 10:12	08/15/25 06:25	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/14/25 10:12	08/15/25 06:25	7440-41-7	
Boron	**0.42**	mg/L	0.20	0.031	5	08/14/25 10:12	08/20/25 07:44	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/14/25 10:12	08/15/25 06:25	7440-43-9	
Calcium	**96.7**	mg/L	4.0	1.0	10	08/14/25 10:12	08/15/25 08:54	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/14/25 10:12	08/15/25 06:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/14/25 10:12	08/15/25 06:25	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/14/25 10:12	08/15/25 06:25	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/14/25 10:12	08/15/25 06:25	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/14/25 10:12	08/15/25 06:25	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/14/25 10:12	08/15/25 06:25	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/15/25 21:17	7439-97-6	

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

ANALYTICAL RESULTS

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Sample: HAM-AP3-EB-01 **Lab ID: 92811498009** Collected: 08/10/25 10:00 Received: 08/11/25 14:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/19/25 10:27	08/29/25 16:48	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/14/25 16:48		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/12/25 23:25	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/12/25 23:25	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/12/25 23:25	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	0.00050	1	08/14/25 10:12	08/15/25 06:34	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/14/25 10:12	08/15/25 06:34	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/14/25 10:12	08/15/25 06:34	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/14/25 10:12	08/15/25 06:34	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	08/14/25 10:12	08/15/25 06:34	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/14/25 10:12	08/15/25 06:34	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/14/25 10:12	08/15/25 06:34	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/14/25 10:12	08/15/25 06:34	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/14/25 10:12	08/15/25 06:34	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/14/25 10:12	08/15/25 06:34	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/14/25 10:12	08/15/25 06:34	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/14/25 10:12	08/15/25 06:34	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/14/25 10:12	08/15/25 06:34	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/15/25 21:24	7439-97-6	

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

ANALYTICAL RESULTS

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Sample: HAM-AP3-FB-01 **Lab ID: 92811498010** Collected: 08/10/25 10:05 Received: 08/11/25 14:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/19/25 10:27	08/29/25 16:29	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/14/25 16:48		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/13/25 00:58	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/13/25 00:58	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/13/25 00:58	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/14/25 10:12	08/15/25 06:44	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/14/25 10:12	08/15/25 06:44	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/14/25 10:12	08/15/25 06:44	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/14/25 10:12	08/15/25 06:44	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	08/14/25 10:12	08/15/25 06:44	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/14/25 10:12	08/15/25 06:44	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/14/25 10:12	08/15/25 06:44	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/14/25 10:12	08/15/25 06:44	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/14/25 10:12	08/15/25 06:44	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/14/25 10:12	08/15/25 06:44	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/14/25 10:12	08/15/25 06:44	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/14/25 10:12	08/15/25 06:44	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/14/25 10:12	08/15/25 06:44	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/15/25 21:27	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

QC Batch: 2577195
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92811498001, 92811498002

METHOD BLANK: R4264846-1 Matrix: Water
Associated Lab Samples: 92811498001, 92811498002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	08/27/25 11:30	

LABORATORY CONTROL SAMPLE: R4264846-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0502	100	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4264846-4 R4264846-5

Parameter	Units	L1886448-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.0270	0.0500	0.0500	0.0746	0.0730	95.2	92.2	75.0-125	2.04	20	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

QC Batch: 2578718
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92811498003, 92811498004, 92811498005, 92811498006

METHOD BLANK: R4265251-1 Matrix: Water
Associated Lab Samples: 92811498003, 92811498004, 92811498005, 92811498006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	08/28/25 00:03	

LABORATORY CONTROL SAMPLE: R4265251-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0481	96.3	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4265251-4 R4265251-5

Parameter	Units	L1884788-27 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	ND	0.0500	0.0500	0.0470	0.0462	94.0	92.5	75.0-125	1.61	20	

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

QC Batch: 2579872
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92811498007, 92811498008, 92811498009, 92811498010

METHOD BLANK: R4266262-1 Matrix: Water
Associated Lab Samples: 92811498007, 92811498008, 92811498009, 92811498010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	08/29/25 16:22	

LABORATORY CONTROL SAMPLE: R4266262-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0475	95.0	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4266262-4 R4266262-5

Parameter	Units	92811498010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	ND	0.0500	0.0500	0.0476	0.0467	95.2	93.4	75.0-125	1.97	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

QC Batch: 953028
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811498001, 92811498002

METHOD BLANK: 4897737 Matrix: Water
Associated Lab Samples: 92811498001, 92811498002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/09/25 15:45	

LABORATORY CONTROL SAMPLE: 4897738

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	238	95	90-110	

SAMPLE DUPLICATE: 4897739

Parameter	Units	92811484002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	143	151	5	25	

SAMPLE DUPLICATE: 4897740

Parameter	Units	92810483014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	865	882	2	25	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
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QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

QC Batch: 953690
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811498003, 92811498004

METHOD BLANK: 4901185 Matrix: Water
Associated Lab Samples: 92811498003, 92811498004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/13/25 11:49	

LABORATORY CONTROL SAMPLE: 4901186

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	260	104	90-110	

SAMPLE DUPLICATE: 4901187

Parameter	Units	92811951033 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	411	423	3	25	

SAMPLE DUPLICATE: 4901188

Parameter	Units	92810483023 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	683	767	12	25	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

QC Batch: 953697
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811498005, 92811498006

METHOD BLANK: 4901228 Matrix: Water
Associated Lab Samples: 92811498005, 92811498006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/14/25 12:01	

LABORATORY CONTROL SAMPLE: 4901229

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

SAMPLE DUPLICATE: 4901230

Parameter	Units	92811498005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	706	702	1	25	

SAMPLE DUPLICATE: 4901231

Parameter	Units	92811505014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	730	752	3	25	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

QC Batch: 954042 | 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: 92811498007, 92811498008, 92811498009, 92811498010

METHOD BLANK: 4903230 Matrix: Water
Associated Lab Samples: 92811498007, 92811498008, 92811498009, 92811498010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/14/25 16:46	

LABORATORY CONTROL SAMPLE: 4903231

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

SAMPLE DUPLICATE: 4903232

Parameter	Units	92812273013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

SAMPLE DUPLICATE: 4903233

Parameter	Units	92812273017 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	198	207	4	25	

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(704)875-9092

QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

QC Batch: 952684
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811498001, 92811498002

METHOD BLANK: 4895979 Matrix: Water
Associated Lab Samples: 92811498001, 92811498002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/07/25 21:24	
Fluoride	mg/L	ND	0.10	0.050	08/07/25 21:24	
Sulfate	mg/L	ND	1.0	0.50	08/07/25 21:24	

LABORATORY CONTROL SAMPLE: 4895980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.3	101	90-110	
Fluoride	mg/L	2.5	2.7	106	90-110	
Sulfate	mg/L	50	50.2	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4895981 4895982

Parameter	Units	92811484003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.3	50	50	51.6	53.1	101	104	90-110	3	10	
Fluoride	mg/L	0.064J	2.5	2.5	2.4	2.5	95	98	90-110	3	10	
Sulfate	mg/L	33.4	50	50	82.7	84.3	99	102	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4895983 4895984

Parameter	Units	92811605003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	50.5	51.4	100	102	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.7	2.6	108	103	90-110	4	10	
Sulfate	mg/L	ND	50	50	49.9	50.8	100	102	90-110	2	10	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

QC Batch: 953267
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811498003, 92811498004, 92811498005, 92811498006

METHOD BLANK: 4898922 Matrix: Water
Associated Lab Samples: 92811498003, 92811498004, 92811498005, 92811498006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/11/25 21:10	
Fluoride	mg/L	ND	0.10	0.050	08/11/25 21:10	
Sulfate	mg/L	ND	1.0	0.50	08/11/25 21:10	

LABORATORY CONTROL SAMPLE: 4898923

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	53.2	106	90-110	
Fluoride	mg/L	2.5	2.7	108	90-110	
Sulfate	mg/L	50	53.6	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4898924 4898925

Parameter	Units	92811471009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	27.7	50	50	78.8	77.9	102	100	90-110	1	10	
Fluoride	mg/L	0.11	2.5	2.5	2.9	2.9	113	112	90-110	1	10	M1
Sulfate	mg/L	97.2	50	50	104	102	13	9	90-110	2	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4898926 4898927

Parameter	Units	92811471019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	51.8	52.7	104	105	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.7	104	107	90-110	2	10	
Sulfate	mg/L	ND	50	50	51.7	52.6	103	105	90-110	2	10	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

QC Batch: 953530
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811498007, 92811498008, 92811498009, 92811498010

METHOD BLANK: 4900525 Matrix: Water
Associated Lab Samples: 92811498007, 92811498008, 92811498009, 92811498010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/12/25 21:03	
Fluoride	mg/L	ND	0.10	0.050	08/12/25 21:03	
Sulfate	mg/L	ND	1.0	0.50	08/12/25 21:03	

LABORATORY CONTROL SAMPLE: 4900526

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	2.6	105	90-110	
Sulfate	mg/L	50	51.7	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4900527 4900528

Parameter	Units	92812429001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	22.2	50	50	69.7	72.4	95	100	90-110	4	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	99	102	90-110	3	10	
Sulfate	mg/L	8.3	50	50	54.9	57.6	93	99	90-110	5	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4900529 4900530

Parameter	Units	92811498009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	49.0	50.5	98	101	90-110	3	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	102	103	90-110	1	10	
Sulfate	mg/L	ND	50	50	49.6	51.2	99	102	90-110	3	10	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

QC Batch: 952854
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92811498001, 92811498002

METHOD BLANK: 4896691 Matrix: Water
Associated Lab Samples: 92811498001, 92811498002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	08/13/25 19:42	
Arsenic	mg/L	ND	0.0020	0.0012	08/13/25 19:42	
Barium	mg/L	ND	0.0050	0.0012	08/13/25 19:42	
Beryllium	mg/L	ND	0.00040	0.00015	08/13/25 19:42	
Boron	mg/L	ND	0.040	0.0062	08/13/25 19:42	
Cadmium	mg/L	ND	0.00050	0.00012	08/13/25 19:42	
Calcium	mg/L	ND	0.40	0.10	08/13/25 19:42	
Chromium	mg/L	ND	0.0050	0.0012	08/13/25 19:42	
Cobalt	mg/L	ND	0.0050	0.0012	08/13/25 19:42	
Lead	mg/L	ND	0.0010	0.00025	08/13/25 19:42	
Molybdenum	mg/L	ND	0.010	0.0025	08/13/25 19:42	
Selenium	mg/L	ND	0.0050	0.0012	08/13/25 19:42	
Thallium	mg/L	ND	0.00050	0.00015	08/13/25 19:42	

LABORATORY CONTROL SAMPLE: 4896692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.095	95	80-120	
Arsenic	mg/L	0.1	0.091	91	80-120	
Barium	mg/L	0.1	0.097	97	80-120	
Beryllium	mg/L	0.1	0.094	94	80-120	
Boron	mg/L	0.1	0.10	100	80-120	
Cadmium	mg/L	0.1	0.095	95	80-120	
Calcium	mg/L	1	1.0	104	80-120	
Chromium	mg/L	0.1	0.10	102	80-120	
Cobalt	mg/L	0.1	0.11	106	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.093	93	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4896693 4896694

Parameter	Units	92811484002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.093	0.092	93	92	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4896693 4896694

Parameter	Units	92811484002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	0.044	0.1	0.1	0.14	0.14	93	91	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	1	20	
Boron	mg/L	0.014J	0.1	0.1	0.11	0.11	98	96	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.092	0.092	92	92	75-125	0	20	
Calcium	mg/L	27.6	1	1	27.2	27.4	-45	-18	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.098	99	98	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.094	0.093	94	93	75-125	1	20	
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20	
Selenium	mg/L	ND	0.1	0.1	0.11	0.10	106	105	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.094	0.093	94	93	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

QC Batch: 953375
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92811498003, 92811498004, 92811498005, 92811498006

METHOD BLANK: 4899479 Matrix: Water
Associated Lab Samples: 92811498003, 92811498004, 92811498005, 92811498006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	08/20/25 14:13	
Arsenic	mg/L	ND	0.0020	0.0012	08/20/25 14:13	
Barium	mg/L	ND	0.0050	0.0012	08/20/25 14:13	
Beryllium	mg/L	ND	0.00040	0.00015	08/20/25 14:13	
Boron	mg/L	ND	0.040	0.0062	08/21/25 19:40	
Cadmium	mg/L	ND	0.00050	0.00012	08/20/25 14:13	
Calcium	mg/L	ND	0.40	0.10	08/20/25 14:13	
Chromium	mg/L	ND	0.0050	0.0012	08/20/25 14:13	
Cobalt	mg/L	ND	0.0050	0.0012	08/20/25 14:13	
Lead	mg/L	ND	0.0010	0.00025	08/20/25 14:13	
Molybdenum	mg/L	ND	0.010	0.0025	08/20/25 14:13	
Selenium	mg/L	ND	0.0050	0.0012	08/20/25 14:13	
Thallium	mg/L	ND	0.00050	0.00015	08/20/25 14:13	

LABORATORY CONTROL SAMPLE: 4899480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.096	96	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.095	95	80-120	
Beryllium	mg/L	0.1	0.092	92	80-120	
Boron	mg/L	0.1	0.096	96	80-120	
Cadmium	mg/L	0.1	0.095	95	80-120	
Calcium	mg/L	1	0.93	93	80-120	
Chromium	mg/L	0.1	0.099	99	80-120	
Cobalt	mg/L	0.1	0.10	102	80-120	
Lead	mg/L	0.1	0.097	97	80-120	
Molybdenum	mg/L	0.1	0.096	96	80-120	
Selenium	mg/L	0.1	0.096	96	80-120	
Thallium	mg/L	0.1	0.096	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4899481 4899482

Parameter	Units	92812073001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.096	0.096	95	96	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.097	0.098	97	97	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4899481 4899482

Parameter	Units	92812073001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	ND	0.1	0.1	0.098	0.099	94	95	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.094	0.090	94	90	75-125	4	20	
Boron	mg/L	ND	0.1	0.1	0.097	0.094	84	81	75-125	3	20	
Cadmium	mg/L	ND	0.1	0.1	0.094	0.095	94	95	75-125	0	20	
Calcium	mg/L	33400 ug/L	1	1	34.9	33.5	150	11	75-125	4	20	M1
Chromium	mg/L	ND	0.1	0.1	0.096	0.097	95	97	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.099	0.10	99	100	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	2	20	
Molybdenum	mg/L	ND	0.1	0.1	0.097	0.096	94	93	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.098	100	96	75-125	4	20	
Thallium	mg/L	ND	0.1	0.1	0.095	0.097	95	97	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

QC Batch: 953930
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92811498007, 92811498008, 92811498009, 92811498010

METHOD BLANK: 4902818 Matrix: Water
Associated Lab Samples: 92811498007, 92811498008, 92811498009, 92811498010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	08/15/25 02:31	
Arsenic	mg/L	ND	0.0020	0.0012	08/15/25 02:31	
Barium	mg/L	ND	0.0050	0.0012	08/15/25 02:31	
Beryllium	mg/L	ND	0.00040	0.00015	08/15/25 02:31	
Boron	mg/L	ND	0.040	0.0062	08/15/25 02:31	
Cadmium	mg/L	ND	0.00050	0.00012	08/15/25 02:31	
Calcium	mg/L	ND	0.40	0.10	08/15/25 02:31	
Chromium	mg/L	ND	0.0050	0.0012	08/15/25 02:31	
Cobalt	mg/L	ND	0.0050	0.0012	08/15/25 02:31	
Lead	mg/L	ND	0.0010	0.00025	08/15/25 02:31	
Molybdenum	mg/L	ND	0.010	0.0025	08/15/25 02:31	
Selenium	mg/L	ND	0.0050	0.0012	08/15/25 02:31	
Thallium	mg/L	ND	0.00050	0.00015	08/15/25 02:31	

LABORATORY CONTROL SAMPLE: 4902819

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	100	80-120	
Arsenic	mg/L	0.1	0.089	89	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.092	92	80-120	
Boron	mg/L	0.1	0.094	94	80-120	
Cadmium	mg/L	0.1	0.093	93	80-120	
Calcium	mg/L	1	1.0	102	80-120	
Chromium	mg/L	0.1	0.10	102	80-120	
Cobalt	mg/L	0.1	0.11	108	80-120	
Lead	mg/L	0.1	0.11	106	80-120	
Molybdenum	mg/L	0.1	0.099	99	80-120	
Selenium	mg/L	0.1	0.089	89	80-120	
Thallium	mg/L	0.1	0.096	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4902820 4902821

Parameter	Units	92812251001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.095	0.098	94	98	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4902820 4902821

Parameter	Units	92812251001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	0.061	0.1	0.1	0.16	0.16	99	102	75-125	2	20	
Beryllium	mg/L	ND	0.1	0.1	0.097	0.099	97	99	75-125	2	20	
Boron	mg/L	1.4	0.1	0.1	1.5	1.5	129	169	75-125	3	20	M1
Cadmium	mg/L	ND	0.1	0.1	0.097	0.099	97	99	75-125	2	20	
Calcium	mg/L	96.0	1	1	98.8	103	273	651	75-125	4	20	M1
Chromium	mg/L	ND	0.1	0.1	0.098	0.10	97	101	75-125	4	20	
Cobalt	mg/L	0.0018J	0.1	0.1	0.10	0.10	99	102	75-125	3	20	
Lead	mg/L	ND	0.1	0.1	0.099	0.10	99	101	75-125	2	20	
Molybdenum	mg/L	0.11	0.1	0.1	0.21	0.22	104	111	75-125	3	20	
Selenium	mg/L	0.0052	0.1	0.1	0.10	0.11	99	103	75-125	4	20	
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	100	104	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

QC Batch: 952850
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92811498001, 92811498002

METHOD BLANK: 4896665 Matrix: Water
Associated Lab Samples: 92811498001, 92811498002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	08/09/25 17:39	

LABORATORY CONTROL SAMPLE: 4896666

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0021	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4896667 4896668

Parameter	Units	92811607002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0021	0.0021	104	104	80-120	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

QC Batch: 953428
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92811498003, 92811498004, 92811498005, 92811498006

METHOD BLANK: 4899699 Matrix: Water
Associated Lab Samples: 92811498003, 92811498004, 92811498005, 92811498006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	08/13/25 23:26	

LABORATORY CONTROL SAMPLE: 4899700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0019	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4899701 4899702

Parameter	Units	92811471017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0020	0.0020	98	99	80-120	2	20	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

QC Batch: 953731
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92811498007, 92811498008, 92811498009, 92811498010

METHOD BLANK: 4901441 Matrix: Water
Associated Lab Samples: 92811498007, 92811498008, 92811498009, 92811498010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	08/15/25 20:54	

LABORATORY CONTROL SAMPLE: 4901442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0020	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4901443 4901444

Parameter	Units	92812477007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0020	0.0020	101	101	80-120	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

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: 92811498

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

ANALYTE QUALIFIERS

J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92811498001	**HAM-HGWA-45D**	3015	2577195	EPA 6020B	2577195
92811498002	**HAM-HGWA-122**	3015	2577195	EPA 6020B	2577195
92811498003	**HAM-HGWC-120**	3015	2578718	EPA 6020B	2578718
92811498004	**HAM-HGWC-121A**	3015	2578718	EPA 6020B	2578718
92811498005	**HAM-HGWC-125**	3015	2578718	EPA 6020B	2578718
92811498006	**HAM-HGWC-126**	3015	2578718	EPA 6020B	2578718
92811498007	**HAM-HGWC-124**	3015	2579872	EPA 6020B	2579872
92811498008	**HAM-AP3-FD-01**	3015	2579872	EPA 6020B	2579872
92811498009	**HAM-AP3-EB-01**	3015	2579872	EPA 6020B	2579872
92811498010	**HAM-AP3-FB-01**	3015	2579872	EPA 6020B	2579872
92811498001	**HAM-HGWA-45D**	SM 2540C-2020	953028		
92811498002	**HAM-HGWA-122**	SM 2540C-2020	953028		
92811498003	**HAM-HGWC-120**	SM 2540C-2020	953690		
92811498004	**HAM-HGWC-121A**	SM 2540C-2020	953690		
92811498005	**HAM-HGWC-125**	SM 2540C-2020	953697		
92811498006	**HAM-HGWC-126**	SM 2540C-2020	953697		
92811498007	**HAM-HGWC-124**	SM 2540C-2020	954042		
92811498008	**HAM-AP3-FD-01**	SM 2540C-2020	954042		
92811498009	**HAM-AP3-EB-01**	SM 2540C-2020	954042		
92811498010	**HAM-AP3-FB-01**	SM 2540C-2020	954042		
92811498001	**HAM-HGWA-45D**	EPA 300.0 Rev 2.1 1993	952684		
92811498002	**HAM-HGWA-122**	EPA 300.0 Rev 2.1 1993	952684		
92811498003	**HAM-HGWC-120**	EPA 300.0 Rev 2.1 1993	953267		
92811498004	**HAM-HGWC-121A**	EPA 300.0 Rev 2.1 1993	953267		
92811498005	**HAM-HGWC-125**	EPA 300.0 Rev 2.1 1993	953267		
92811498006	**HAM-HGWC-126**	EPA 300.0 Rev 2.1 1993	953267		
92811498007	**HAM-HGWC-124**	EPA 300.0 Rev 2.1 1993	953530		
92811498008	**HAM-AP3-FD-01**	EPA 300.0 Rev 2.1 1993	953530		
92811498009	**HAM-AP3-EB-01**	EPA 300.0 Rev 2.1 1993	953530		
92811498010	**HAM-AP3-FB-01**	EPA 300.0 Rev 2.1 1993	953530		
92811498001	**HAM-HGWA-45D**	EPA 3005A	952854	EPA 6020B	954116
92811498002	**HAM-HGWA-122**	EPA 3005A	952854	EPA 6020B	954116
92811498003	**HAM-HGWC-120**	EPA 3005A	953375	EPA 6020B	955301
92811498004	**HAM-HGWC-121A**	EPA 3005A	953375	EPA 6020B	955301
92811498005	**HAM-HGWC-125**	EPA 3005A	953375	EPA 6020B	955301
92811498006	**HAM-HGWC-126**	EPA 3005A	953375	EPA 6020B	955301
92811498007	**HAM-HGWC-124**	EPA 3005A	953930	EPA 6020B	954671
92811498008	**HAM-AP3-FD-01**	EPA 3005A	953930	EPA 6020B	954671
92811498009	**HAM-AP3-EB-01**	EPA 3005A	953930	EPA 6020B	954671
92811498010	**HAM-AP3-FB-01**	EPA 3005A	953930	EPA 6020B	954671
92811498001	**HAM-HGWA-45D**	EPA 7470A	952850	EPA 7470A	953201
92811498002	**HAM-HGWA-122**	EPA 7470A	952850	EPA 7470A	953201

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-AP-3
Pace Project No.: 92811498

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92811498003	**HAM-HGWC-120**	EPA 7470A	953428	EPA 7470A	954590
92811498004	**HAM-HGWC-121A**	EPA 7470A	953428	EPA 7470A	954590
92811498005	**HAM-HGWC-125**	EPA 7470A	953428	EPA 7470A	954590
92811498006	**HAM-HGWC-126**	EPA 7470A	953428	EPA 7470A	954590
92811498007	**HAM-HGWC-124**	EPA 7470A	953731	EPA 7470A	954601
92811498008	**HAM-AP3-FD-01**	EPA 7470A	953731	EPA 7470A	954601
92811498009	**HAM-AP3-EB-01**	EPA 7470A	953731	EPA 7470A	954601
92811498010	**HAM-AP3-FB-01**	EPA 7470A	953731	EPA 7470A	954601

	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
Pace	Effective Date: 05/24/2024

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

Sample Condition Upon Receipt

Client Name: GA Power

Project #

WO# : 92811498

92811498

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

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

Date/Initials Person Examining Contents: 8/6/25 CH

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: 2.2 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): 2.2

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

Qualtrax ID: 69614

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

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Items	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1				24																							
2		1	1				24																							
3					24																									
4					24																									
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

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

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

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

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Items	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-5G mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Septa Vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1				24																							
2		1	1				24																							
3					24																									
4					24																									
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12																														

pH Adjustment Log for Preserved Samples

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

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92811498

PM: BV Due Date: 08/21/25

CLIENT: 92- GP-HAM

Company Name:	Georgia Power- Hammond	Contact/Report To:	Kristen Jurinko
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308	Phone #:	470-217-0008
		E-Mail:	knjurink@southernco.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Plant Hammond-(AP-3)-2nd SA	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (If applicable):	GPC82474-0011
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other ____

GW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Biossay (BI), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	APP IV Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample.
HAM-HGWA-45D	WG	Grab			8/5/2025	1428	4			X	X	X			Temp= 20 deg C 001	
HAM-HGWA-122	WG	Grab			8/5/2025	1610	4			X	X	X			Temp= 21 deg C 002	
HAM-HGWA-45D	WG	Grab	ZW 8/5/2025		8/5/2025	1428	2	ZW 8/5/2025					X		Temp= 20 deg C	
HAM-HGWA-122	WG	Grab			8/5/2025	1610	2						X		Temp= 21 deg C	

ZW 8/5/2025

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16483

Prelog / Bottle Ord. ID: EZ 3283426

Additional Instructions from Pace®:
Task Code: HAM-CCR-ASSMT-202552

Collected By: (Printed Name) Zain Webb

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	
Ryan Williams / Pace	8/6/2025 1550	Ryan Williams / Pace	8/6/25 1010	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
		[signature] Hunter	8/6/25 1550	

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123

Laboratory receiving samples:

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

Sample Condition Upon Receipt

Client Name: GC Power

Project #:

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

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

Date/Initials Person Examining Contents: 6/18 SLC

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

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

Thermometer: ☐ IR Gun ID: T3U

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.1 **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): 3.1

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

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

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

Project #

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

Client_____ 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)	1320/N	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)	DG8U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1				2																							
2		1	1				2																							
3		1	1				2																							
4		1	1				2																							
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pH Adjustment Log for Preserved Samples

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

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

92811498

Scan QR Code for instructions

Company Name:	Georgia Power- Hammond	Contact/Report To:	Kristen Jurinko
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308	Phone #:	470-217-0008
		E-Mail:	knjurink@southernco.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Plant Hammond-(AP-3)-2nd SA	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0011
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	APP IV Metals	RAD 226/228	Sample Comment
Specify Container Size **										3	2	2x3	2x1		
Identify Container Preservative Type***										1	1	2	2		
HAM-HGWC-120	WG	Grab			8/7/2025	1242	6			X	X	X	X	X	Temp = 20 °C 003
HAM-HGWC-121A	WG	Grab			8/7/2025	1102	6			X	X	X	X	X	Temp = 20 °C 004
HAM-HGWC-125	WG	Grab	JN 8/7/2025		8/7/2025	1402	6			X	X	X	X	X	Temp = 20 °C 005
HAM-HGWC-126	WG	Grab			8/7/2025	1538	6	JN 8/7/2025		X	X	X	X	X	Temp = 20 °C 006
						JN 8/7/2025									

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16483
Prelog / Bottle Ord. ID: EZ 3283426

Preservation non-conformance identified for sample:

Additional Instructions from Pace®:
Task Code: HAM-CCR-ASSMT-2025S2

Collected By: (Printed Name) Thomas Kessler
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Evan Webb / Geosyntec	8/8/25 1320	Evan Williams / Pace	8/8/25 1320	
Evan Williams / Pace	8/8/25 1550		8/8 1550	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

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

Sample Condition Upon Receipt

Client Name: GA Power

Project #: WO#: 92811498

PM: BV Due Date: 08/21/25

CLIENT: 92- GP-HAM

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

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

Date/Initials Person Examining Contents: 5/11/25 COL

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: 1.8 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 1.8

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

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

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

Effective Date: 05/24/2024

WO#: 92811498

*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 # PM: BV Due Date: 08/21/25
CLIENT: 92- GP-HAM

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 ml VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
4		1	1		2		2																							
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

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

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO#: 92811498

PM: BV Due Date: 08/21/25
CLIENT: 92- GP-HAM

Company Name: Georgia Power- Hammond
Street Address: 241 Ralph McGill Blvd NE, Bin 10160, Atlanta, GA 30308
Customer Project #:
Project Name: Plant Hammond-(AP-3)-2nd SA
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko
Phone #: 470-217-0008
E Mail: knjurink@southernco.com
Cc E-Mail:
Invoice To: Account Payable
Invoice E-Mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0011
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET
County / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other
DW PWSID # or WW Permit # as applicable:
Date Results Requested:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 1 | 3 | 2x3 | 2x1
Identify Container Preservative Type***: 1 | 1 | 2 | 2
Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	RAD 226/228	Sample Comment
HAM-HGWC-124	WG	Grab	JN 8/10/2025		8/10/2025	0935	6			X	X	X	X	Temp = 18 °C
HAM-AP3-FD-01	WQ	Grab			8/10/2025	0000	6			X	X	X	X	Temp = 18 °C
HAM-AP3-EB-01	WQ	Grab			8/10/2025	1000	6			X	X	X	X	Temp = 18 °C
HAM-AP3-FB-01	WQ	Grab			8/10/2025	1005	6			X	X	X	X	Temp = 18 °C
								JN 8/10/2025						Last sample
						JN 8/10/2025								

Lab Use Only:
Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16483
Prelog / Bottle Ord. ID: EZ 3283426
Preservation non-conformance identified for sample.

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Additional Instructions from Pace®:
Task Code: HAM-CCR-ASSMT-2025S2

Collected By (Printed Name): Jamie Newsome
Signature:

Customer Remarks / Special Conditions / Possible Hazards:
Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp (°C) On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Amendjet / Geosyntec	8/11/2025 1230	Ryan William / Pace	8/11/2025 1230
Ryan William / Pace	8/11/2025 1440	[signature]	8/11/25 1440

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

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

September 10, 2025

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on August 06, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

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

Sincerely,

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Jamie Newsome, Geosyntec Consultants
Amanda Tomlinson, Geosyntec Consultants
Zain Webb, Geosyntec Consultants

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Pace Analytical Services National

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

Pace Analytical Services Asheville

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

Pace Analytical Services West Columbia

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

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92811471001	**HAM-HGWA-1**	Water	08/05/25 13:49	08/06/25 15:50
92811471002	**HAM-HGWA-2**	Water	08/05/25 12:50	08/06/25 15:50
92811471003	**HAM-HGWA-3**	Water	08/05/25 13:55	08/06/25 15:50
92811471004	**HAM-HGWA-43D**	Water	08/05/25 12:09	08/06/25 15:50
92811471005	**HAM-HGWA-44D**	Water	08/05/25 10:35	08/06/25 15:50
92811471006	**HAM-UGRD-FD-01**	Water	08/05/25 00:00	08/06/25 15:50
92811471007	**HAM-UGRD-EB-01**	Water	08/05/25 16:55	08/06/25 15:50
92811471008	**HAM-UGRD-FB-01**	Water	08/05/25 17:05	08/06/25 15:50

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

SAMPLE ANALYTE COUNT

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92811471001	**HAM-HGWA-1**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811471002	**HAM-HGWA-2**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811471003	**HAM-HGWA-3**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811471004	**HAM-HGWA-43D**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811471005	**HAM-HGWA-44D**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811471006	**HAM-UGRD-FD-01**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811471007	**HAM-UGRD-EB-01**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811471008	**HAM-UGRD-FB-01**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

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

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

SUMMARY OF DETECTION

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811471001	**HAM-HGWA-1**					
EPA 6020B	Lithium	0.00116J	mg/L	0.00200	08/27/25 17:25	J
SM 2540C-2020	Total Dissolved Solids	416	mg/L	25.0	08/09/25 15:39	
EPA 300.0 Rev 2.1 1993	Chloride	17.2	mg/L	1.0	08/08/25 00:27	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	08/08/25 00:27	M1,R1
EPA 300.0 Rev 2.1 1993	Sulfate	57.6	mg/L	1.0	08/08/25 00:27	M1
EPA 6020B	Barium	0.033	mg/L	0.0050	08/13/25 20:01	
EPA 6020B	Boron	0.019J	mg/L	0.040	08/13/25 20:01	
EPA 6020B	Calcium	113	mg/L	2.0	08/14/25 05:00	
92811471002	**HAM-HGWA-2**					
EPA 6020B	Lithium	0.00260	mg/L	0.00200	08/27/25 17:29	
SM 2540C-2020	Total Dissolved Solids	160	mg/L	25.0	08/09/25 15:39	
EPA 300.0 Rev 2.1 1993	Chloride	9.6	mg/L	1.0	08/08/25 01:41	
EPA 300.0 Rev 2.1 1993	Sulfate	74.0	mg/L	1.0	08/08/25 01:41	
EPA 6020B	Barium	0.053	mg/L	0.0050	08/13/25 20:10	
EPA 6020B	Beryllium	0.00026J	mg/L	0.00040	08/13/25 20:10	
EPA 6020B	Boron	0.044	mg/L	0.040	08/13/25 20:10	
EPA 6020B	Cadmium	0.00022J	mg/L	0.00050	08/13/25 20:10	
EPA 6020B	Calcium	24.1	mg/L	0.40	08/13/25 20:10	
EPA 6020B	Cobalt	0.030	mg/L	0.0050	08/13/25 20:10	
92811471003	**HAM-HGWA-3**					
EPA 6020B	Lithium	0.00374	mg/L	0.00200	08/27/25 17:32	
SM 2540C-2020	Total Dissolved Solids	265	mg/L	25.0	08/09/25 15:39	
EPA 300.0 Rev 2.1 1993	Chloride	5.5	mg/L	1.0	08/08/25 01:56	
EPA 300.0 Rev 2.1 1993	Sulfate	24.9	mg/L	1.0	08/08/25 01:56	
EPA 6020B	Barium	0.11	mg/L	0.0050	08/13/25 20:19	
EPA 6020B	Boron	0.0090J	mg/L	0.040	08/13/25 20:19	
EPA 6020B	Calcium	72.6	mg/L	2.0	08/14/25 05:09	
EPA 6020B	Lead	0.00030J	mg/L	0.0010	08/13/25 20:19	
92811471004	**HAM-HGWA-43D**					
EPA 6020B	Lithium	0.00308	mg/L	0.00200	08/27/25 17:35	
SM 2540C-2020	Total Dissolved Solids	282	mg/L	25.0	08/09/25 15:41	
EPA 300.0 Rev 2.1 1993	Chloride	4.0	mg/L	1.0	08/08/25 02:11	
EPA 300.0 Rev 2.1 1993	Fluoride	0.16	mg/L	0.10	08/08/25 02:11	
EPA 300.0 Rev 2.1 1993	Sulfate	22.4	mg/L	1.0	08/08/25 02:11	
EPA 6020B	Barium	0.27	mg/L	0.025	08/14/25 05:19	
EPA 6020B	Boron	0.039J	mg/L	0.040	08/13/25 20:29	
EPA 6020B	Calcium	55.2	mg/L	2.0	08/14/25 05:19	
92811471005	**HAM-HGWA-44D**					
EPA 6020B	Lithium	0.104	mg/L	0.00200	08/27/25 17:38	
SM 2540C-2020	Total Dissolved Solids	370	mg/L	25.0	08/09/25 15:41	
EPA 300.0 Rev 2.1 1993	Chloride	29.7	mg/L	1.0	08/08/25 02:26	
EPA 300.0 Rev 2.1 1993	Fluoride	0.87	mg/L	0.10	08/08/25 02:26	
EPA 300.0 Rev 2.1 1993	Sulfate	0.85J	mg/L	1.0	08/08/25 02:26	
EPA 6020B	Barium	0.092	mg/L	0.0050	08/13/25 20:38	
EPA 6020B	Boron	0.45	mg/L	0.20	08/14/25 05:28	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811471005	**HAM-HGWA-44D**					
EPA 6020B	Calcium	6.0	mg/L	0.40	08/13/25 20:38	
92811471006	**HAM-UGRD-FD-01**					
EPA 6020B	Lithium	0.103	mg/L	0.00200	08/27/25 17:41	
SM 2540C-2020	Total Dissolved Solids	369	mg/L	25.0	08/09/25 15:41	
EPA 300.0 Rev 2.1 1993	Chloride	29.7	mg/L	1.0	08/08/25 02:41	
EPA 300.0 Rev 2.1 1993	Fluoride	0.84	mg/L	0.10	08/08/25 02:41	
EPA 300.0 Rev 2.1 1993	Sulfate	0.84J	mg/L	1.0	08/08/25 02:41	
EPA 6020B	Barium	0.10	mg/L	0.0050	08/13/25 20:47	
EPA 6020B	Boron	0.44	mg/L	0.20	08/14/25 05:37	
EPA 6020B	Calcium	6.4	mg/L	0.40	08/13/25 20:47	

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

ANALYTICAL RESULTS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Sample: HAM-HGWA-1 **Lab ID: 92811471001** Collected: 08/05/25 13:49 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00116J**	mg/L	0.00200	0.000600	1	08/13/25 12:05	08/27/25 17:25	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**416**	mg/L	25.0	25.0	1		08/09/25 15:39		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**17.2**	mg/L	1.0	0.60	1		08/08/25 00:27	16887-00-6	
Fluoride	**0.055J**	mg/L	0.10	0.050	1		08/08/25 00:27	16984-48-8	M1,R1
Sulfate	**57.6**	mg/L	1.0	0.50	1		08/08/25 00:27	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 20:01	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 20:01	7440-38-2	
Barium	**0.033**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:01	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 20:01	7440-41-7	
Boron	**0.019J**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/13/25 20:01	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 20:01	7440-43-9	
Calcium	**113**	mg/L	2.0	0.50	5	08/11/25 20:04	08/14/25 05:00	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:01	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:01	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 20:01	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 20:01	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:01	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 20:01	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/08/25 19:02	08/12/25 12:24	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Sample: HAM-HGWA-2 **Lab ID: 92811471002** Collected: 08/05/25 12:50 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00260**	mg/L	0.00200	0.000600	1	08/13/25 12:05	08/27/25 17:29	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**160**	mg/L	25.0	25.0	1		08/09/25 15:39		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**9.6**	mg/L	1.0	0.60	1		08/08/25 01:41	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/08/25 01:41	16984-48-8	
Sulfate	**74.0**	mg/L	1.0	0.50	1		08/08/25 01:41	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 20:10	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 20:10	7440-38-2	
Barium	**0.053**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:10	7440-39-3	
Beryllium	**0.00026J**	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 20:10	7440-41-7	
Boron	**0.044**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/13/25 20:10	7440-42-8	
Cadmium	**0.00022J**	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 20:10	7440-43-9	
Calcium	**24.1**	mg/L	0.40	0.10	1	08/11/25 20:04	08/13/25 20:10	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:10	7440-47-3	
Cobalt	**0.030**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:10	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 20:10	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 20:10	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:10	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 20:10	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/08/25 19:02	08/12/25 12:27	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Sample: HAM-HGWA-3 **Lab ID: 92811471003** Collected: 08/05/25 13:55 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00374**	mg/L	0.00200	0.000600	1	08/13/25 12:05	08/27/25 17:32	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**265**	mg/L	25.0	25.0	1		08/09/25 15:39		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**5.5**	mg/L	1.0	0.60	1		08/08/25 01:56	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/08/25 01:56	16984-48-8	
Sulfate	**24.9**	mg/L	1.0	0.50	1		08/08/25 01:56	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 20:19	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 20:19	7440-38-2	
Barium	**0.11**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:19	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 20:19	7440-41-7	
Boron	**0.0090J**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/13/25 20:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 20:19	7440-43-9	
Calcium	**72.6**	mg/L	2.0	0.50	5	08/11/25 20:04	08/14/25 05:09	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:19	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:19	7440-48-4	
Lead	**0.00030J**	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 20:19	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 20:19	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:19	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 20:19	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/08/25 19:02	08/12/25 12:29	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Sample: HAM-HGWA-43D **Lab ID: 92811471004** Collected: 08/05/25 12:09 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00308**	mg/L	0.00200	0.000600	1	08/13/25 12:05	08/27/25 17:35	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**282**	mg/L	25.0	25.0	1		08/09/25 15:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**4.0**	mg/L	1.0	0.60	1		08/08/25 02:11	16887-00-6	
Fluoride	**0.16**	mg/L	0.10	0.050	1		08/08/25 02:11	16984-48-8	
Sulfate	**22.4**	mg/L	1.0	0.50	1		08/08/25 02:11	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 20:29	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 20:29	7440-38-2	
Barium	**0.27**	mg/L	0.025	0.0062	5	08/11/25 20:04	08/14/25 05:19	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 20:29	7440-41-7	
Boron	**0.039J**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/13/25 20:29	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 20:29	7440-43-9	
Calcium	**55.2**	mg/L	2.0	0.50	5	08/11/25 20:04	08/14/25 05:19	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:29	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:29	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 20:29	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 20:29	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:29	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 20:29	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/08/25 19:02	08/12/25 12:32	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Sample: HAM-HGWA-44D **Lab ID: 92811471005** Collected: 08/05/25 10:35 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.104**	mg/L	0.00200	0.000600	1	08/13/25 12:05	08/27/25 17:38	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**370**	mg/L	25.0	25.0	1		08/09/25 15:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**29.7**	mg/L	1.0	0.60	1		08/08/25 02:26	16887-00-6	
Fluoride	**0.87**	mg/L	0.10	0.050	1		08/08/25 02:26	16984-48-8	
Sulfate	**0.85J**	mg/L	1.0	0.50	1		08/08/25 02:26	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 20:38	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 20:38	7440-38-2	
Barium	**0.092**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:38	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 20:38	7440-41-7	
Boron	**0.45**	mg/L	0.20	0.031	5	08/11/25 20:04	08/14/25 05:28	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 20:38	7440-43-9	
Calcium	**6.0**	mg/L	0.40	0.10	1	08/11/25 20:04	08/13/25 20:38	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:38	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 20:38	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 20:38	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:38	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 20:38	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/08/25 19:02	08/12/25 12:34	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Sample: HAM-UGRD-FD-01 **Lab ID: 92811471006** Collected: 08/05/25 00:00 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.103**	mg/L	0.00200	0.000600	1	08/13/25 12:05	08/27/25 17:41	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**369**	mg/L	25.0	25.0	1		08/09/25 15:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**29.7**	mg/L	1.0	0.60	1		08/08/25 02:41	16887-00-6	
Fluoride	**0.84**	mg/L	0.10	0.050	1		08/08/25 02:41	16984-48-8	
Sulfate	**0.84J**	mg/L	1.0	0.50	1		08/08/25 02:41	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 20:47	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 20:47	7440-38-2	
Barium	**0.10**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:47	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 20:47	7440-41-7	
Boron	**0.44**	mg/L	0.20	0.031	5	08/11/25 20:04	08/14/25 05:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 20:47	7440-43-9	
Calcium	**6.4**	mg/L	0.40	0.10	1	08/11/25 20:04	08/13/25 20:47	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:47	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:47	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 20:47	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 20:47	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:47	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 20:47	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/08/25 19:02	08/12/25 12:37	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Sample: HAM-UGRD-EB-01 **Lab ID: 92811471007** Collected: 08/05/25 16:55 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/13/25 12:05	08/27/25 17:44	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/09/25 15:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/07/25 22:43	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/07/25 22:43	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/07/25 22:43	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 20:57	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 20:57	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:57	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 20:57	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	08/11/25 20:04	08/13/25 20:57	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 20:57	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/11/25 20:04	08/13/25 20:57	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:57	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:57	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 20:57	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 20:57	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:57	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 20:57	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/08/25 19:02	08/12/25 12:39	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Sample: HAM-UGRD-FB-01 **Lab ID: 92811471008** Collected: 08/05/25 17:05 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/13/25 12:05	08/27/25 17:48	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/09/25 15:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/07/25 22:58	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/07/25 22:58	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/07/25 22:58	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 21:06	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 21:06	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 21:06	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 21:06	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	08/11/25 20:04	08/13/25 21:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 21:06	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/11/25 20:04	08/13/25 21:06	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 21:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 21:06	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 21:06	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 21:06	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 21:06	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 21:06	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/08/25 19:02	08/12/25 12:47	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

QC Batch: 2577199
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

METHOD BLANK: R4265034-1 Matrix: Water
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	08/27/25 16:50	

LABORATORY CONTROL SAMPLE: R4265034-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0505	101	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4265034-4 R4265034-5

Parameter	Units	L1886456-09 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.0454	0.0500	0.0500	0.0927	0.0940	94.6	97.2	75.0-125	1.40	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

QC Batch: 952983
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

METHOD BLANK: 4897634 Matrix: Water
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/09/25 15:36	

LABORATORY CONTROL SAMPLE: 4897635

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

SAMPLE DUPLICATE: 4897636

Parameter	Units	92811210013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	682	760	11	25	

SAMPLE DUPLICATE: 4897637

Parameter	Units	92811438001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	75.0	79.0	5	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

QC Batch: 952679
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

METHOD BLANK: 4895956 Matrix: Water
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/07/25 19:44	
Fluoride	mg/L	ND	0.10	0.050	08/07/25 19:44	
Sulfate	mg/L	ND	1.0	0.50	08/07/25 19:44	

LABORATORY CONTROL SAMPLE: 4895957

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.7	101	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	50.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4895958 4895959

Parameter	Units	92811534002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.1	50	50	57.7	62.2	95	104	90-110	7	10	
Fluoride	mg/L	ND	2.5	2.5	2.3	2.5	90	100	90-110	10	10	
Sulfate	mg/L	2.8	50	50	49.8	54.3	94	103	90-110	9	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4895960 4895961

Parameter	Units	92811471001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	17.2	50	50	66.9	71.3	99	108	90-110	6	10	
Fluoride	mg/L	0.055J	2.5	2.5	4.1	2.6	162	103	90-110	44	10	M1,R1
Sulfate	mg/L	57.6	50	50	96.7	100	78	86	90-110	4	10	M1

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

QC Batch: 952854
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

METHOD BLANK: 4896691 Matrix: Water
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	08/13/25 19:42	
Arsenic	mg/L	ND	0.0020	0.0012	08/13/25 19:42	
Barium	mg/L	ND	0.0050	0.0012	08/13/25 19:42	
Beryllium	mg/L	ND	0.00040	0.00015	08/13/25 19:42	
Boron	mg/L	ND	0.040	0.0062	08/13/25 19:42	
Cadmium	mg/L	ND	0.00050	0.00012	08/13/25 19:42	
Calcium	mg/L	ND	0.40	0.10	08/13/25 19:42	
Chromium	mg/L	ND	0.0050	0.0012	08/13/25 19:42	
Cobalt	mg/L	ND	0.0050	0.0012	08/13/25 19:42	
Lead	mg/L	ND	0.0010	0.00025	08/13/25 19:42	
Molybdenum	mg/L	ND	0.010	0.0025	08/13/25 19:42	
Selenium	mg/L	ND	0.0050	0.0012	08/13/25 19:42	
Thallium	mg/L	ND	0.00050	0.00015	08/13/25 19:42	

LABORATORY CONTROL SAMPLE: 4896692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.095	95	80-120	
Arsenic	mg/L	0.1	0.091	91	80-120	
Barium	mg/L	0.1	0.097	97	80-120	
Beryllium	mg/L	0.1	0.094	94	80-120	
Boron	mg/L	0.1	0.10	100	80-120	
Cadmium	mg/L	0.1	0.095	95	80-120	
Calcium	mg/L	1	1.0	104	80-120	
Chromium	mg/L	0.1	0.10	102	80-120	
Cobalt	mg/L	0.1	0.11	106	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.093	93	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4896693 4896694

Parameter	Units	92811484002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.093	0.092	93	92	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4896693 4896694

Parameter	Units	92811484002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20	
Barium	mg/L	0.044	0.1	0.1	0.14	0.14	93	91	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	1	20	
Boron	mg/L	0.014J	0.1	0.1	0.11	0.11	98	96	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.092	0.092	92	92	75-125	0	20	
Calcium	mg/L	27.6	1	1	27.2	27.4	-45	-18	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.098	99	98	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.094	0.093	94	93	75-125	1	20	
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20	
Selenium	mg/L	ND	0.1	0.1	0.11	0.10	106	105	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.094	0.093	94	93	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

QC Batch: 952849
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

METHOD BLANK: 4896661 Matrix: Water
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	08/12/25 11:42	

LABORATORY CONTROL SAMPLE: 4896662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0020	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4896663 4896664

Parameter	Units	92811149010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0021	0.0021	104	105	80-120	1	20	

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALIFIERS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

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: 92817686

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

ANALYTE QUALIFIERS

J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92811471001	**HAM-HGWA-1**	3015	2577199	EPA 6020B	2577199
92811471002	**HAM-HGWA-2**	3015	2577199	EPA 6020B	2577199
92811471003	**HAM-HGWA-3**	3015	2577199	EPA 6020B	2577199
92811471004	**HAM-HGWA-43D**	3015	2577199	EPA 6020B	2577199
92811471005	**HAM-HGWA-44D**	3015	2577199	EPA 6020B	2577199
92811471006	**HAM-UGRD-FD-01**	3015	2577199	EPA 6020B	2577199
92811471007	**HAM-UGRD-EB-01**	3015	2577199	EPA 6020B	2577199
92811471008	**HAM-UGRD-FB-01**	3015	2577199	EPA 6020B	2577199
92811471001	**HAM-HGWA-1**	SM 2540C-2020	952983		
92811471002	**HAM-HGWA-2**	SM 2540C-2020	952983		
92811471003	**HAM-HGWA-3**	SM 2540C-2020	952983		
92811471004	**HAM-HGWA-43D**	SM 2540C-2020	952983		
92811471005	**HAM-HGWA-44D**	SM 2540C-2020	952983		
92811471006	**HAM-UGRD-FD-01**	SM 2540C-2020	952983		
92811471007	**HAM-UGRD-EB-01**	SM 2540C-2020	952983		
92811471008	**HAM-UGRD-FB-01**	SM 2540C-2020	952983		
92811471001	**HAM-HGWA-1**	EPA 300.0 Rev 2.1 1993	952679		
92811471002	**HAM-HGWA-2**	EPA 300.0 Rev 2.1 1993	952679		
92811471003	**HAM-HGWA-3**	EPA 300.0 Rev 2.1 1993	952679		
92811471004	**HAM-HGWA-43D**	EPA 300.0 Rev 2.1 1993	952679		
92811471005	**HAM-HGWA-44D**	EPA 300.0 Rev 2.1 1993	952679		
92811471006	**HAM-UGRD-FD-01**	EPA 300.0 Rev 2.1 1993	952679		
92811471007	**HAM-UGRD-EB-01**	EPA 300.0 Rev 2.1 1993	952679		
92811471008	**HAM-UGRD-FB-01**	EPA 300.0 Rev 2.1 1993	952679		
92811471001	**HAM-HGWA-1**	EPA 3005A	952854	EPA 6020B	954116
92811471002	**HAM-HGWA-2**	EPA 3005A	952854	EPA 6020B	954116
92811471003	**HAM-HGWA-3**	EPA 3005A	952854	EPA 6020B	954116
92811471004	**HAM-HGWA-43D**	EPA 3005A	952854	EPA 6020B	954116
92811471005	**HAM-HGWA-44D**	EPA 3005A	952854	EPA 6020B	954116
92811471006	**HAM-UGRD-FD-01**	EPA 3005A	952854	EPA 6020B	954116
92811471007	**HAM-UGRD-EB-01**	EPA 3005A	952854	EPA 6020B	954116
92811471008	**HAM-UGRD-FB-01**	EPA 3005A	952854	EPA 6020B	954116
92811471001	**HAM-HGWA-1**	EPA 7470A	952849	EPA 7470A	953462
92811471002	**HAM-HGWA-2**	EPA 7470A	952849	EPA 7470A	953462
92811471003	**HAM-HGWA-3**	EPA 7470A	952849	EPA 7470A	953462
92811471004	**HAM-HGWA-43D**	EPA 7470A	952849	EPA 7470A	953462
92811471005	**HAM-HGWA-44D**	EPA 7470A	952849	EPA 7470A	953462
92811471006	**HAM-UGRD-FD-01**	EPA 7470A	952849	EPA 7470A	953462
92811471007	**HAM-UGRD-EB-01**	EPA 7470A	952849	EPA 7470A	953462
92811471008	**HAM-UGRD-FB-01**	EPA 7470A	952849	EPA 7470A	953462

	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
Pace	Effective Date: 05/24/2024

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

Sample Condition Upon Receipt

Client Name: GA Power

Project #: WO# : 92811471

92811471

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

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

Date/Initials Person Examining Contents: 8/6/25 CH

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: 2.2 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): 2.2

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

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

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	B9AU-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)	BPN	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)	DG9M-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGDU-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1				2																							
2		1	1				2																							
3		1	1				2																							
4		1	1				2																							
5		1	1				2																							
6		1	1				2																							
7		1	1				2																							
8		1	1				2																							
9					2																									
10					2																									
11					2																									
12					2																									

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.

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

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG8U-40 mL Amber Unpreserved vials (N/A)
CC																														
1					2																									
2					2																									
3					2																									
4					2																									
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12																														

pH Adjustment Log for Preserved Samples

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

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92811471

PM: BV Due Date: 08/21/25

CLIENT: 92- GP-HAM

Company Name:	Georgia Power- Hammond	Contact/Report To:	Kristen Jurinko
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308	Phone #:	470-217-0008
		E-Mail:	knjurink@southernco.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Plant Hammond-AP-1/2/3 -2nd SA	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0011
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	RAD 226/228	Sample Comment
HAM-HGWA-1	WG	Grab	TK 8/5/25		8/5/2025	1349	4	TK 8/5/25		X	X	X		Temp = 17 deg C 001
HAM-HGWA-2	WG	Grab			8/5/2025	1250	4			X	X	X		Temp = 19 deg C 002
HAM-HGWA-3	WG	Grab			8/5/2025	1355	4			X	X	X		Temp = 18 deg C 003
HAM-HGWA-43D	WG	Grab			8/5/2025	1209	4			X	X	X		Temp = 18 deg C 004
HAM-HGWA-44D	WG	Grab			8/5/2025	1035	4			X	X	X		Temp = 18 deg C 005
HAM-UGRD-FD-01	WQ	Grab			8/5/2025	0000	4			X	X	X		Temp = 18 deg C 006
HAM-UGRD-EB-01	WQ	Grab			8/5/2025	1655	4			X	X	X		Temp = 18 deg C 007
HAM-UGRD-FB-01	WQ	Grab			8/5/2025	1705	4			X	X	X		Temp = 18 deg C 008
HAM-HGWA-1	WG	Grab			8/5/2025	1349	2						X	Temp = 17 deg C
HAM-HGWA-2	WG	Grab			8/5/2025	1250	2						X	Temp = 19 deg C

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16483

Prelog / Bottle Ord. ID: EZ 3283380

Preservation non-conformance identified for sample:

Additional Instructions from Pace®:
Task Code: HAM-CCR-ASSMT-202552

Collected By:
(Printed Name) Jamie Newsome, Thomas Kessler
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	8/6/2025 1040	Terry Williams / Pace	8/6/2025 1040
Terry Williams / Pace	8/6/2025 1550		8/6/25 1550
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Georgia Power- Hammond	Contact/Report To:	Kristen Jurinko
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308	Phone #:	470-217-0008
		E-Mail:	knjurink@southernco.com
		Cc E-Mail:	
Customer Project #			
Project Name:	Plant Hammond-AP-1/2/3 -2nd SA	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0011
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0 Cl, SO4, F	APP III/IV Metals	RAD 226/228	Sample Comment
HAM-HGWA-3	WG	Grab	TK 8/5/25		8/5/2025	1355	2	TK 8/5/2025					X	Temp = 18 deg C
HAM-HGWA-43D	WG	Grab			8/5/2025	1209	2						X	Temp = 18 deg C
HAM-HGWA-44D	WG	Grab			8/5/2025	1035	2						X	Temp = 18 deg C
HAM-UGRD-FD-01	WQ	Grab			8/5/2025	0000	2						X	Temp = 18 deg C
HAM-UGRD-EB-01	WQ	Grab			8/5/2025	1655	2						X	Temp = 18 deg C
HAM-UGRD-FB-01	WQ	Grab			8/5/2025	1705	2						X	Temp = 18 deg C
														last sample

TK 8/5/2025

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16483
Prelog / Bottle Ord. ID: EZ 3283380

Preservation non-conformance identified for sample

Additional Instructions from Pace®:

Collected By:
(Printed Name) Jamie Newsome, Thomas Kessler
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	8/6/2025 1040	Ryan Williams / Pace	8/6/2025 1040	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Ryan Williams / Pace	8/6/2025 1550		8/6/25 1550	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORO-0019_v02_110123 ©

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

September 12, 2025

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between August 06, 2025 and August 11, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Jamie Newsome, Geosyntec Consultants
Amanda Tomlinson, Geosyntec Consultants
Zain Webb, Geosyntec Consultants

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

CERTIFICATIONS

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

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

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

SAMPLE SUMMARY

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92811501001	**HAM-HGWA-45D**	Water	08/05/25 14:28	08/06/25 15:50
92811501002	**HAM-HGWA-122**	Water	08/05/25 16:10	08/06/25 15:50
92811501003	**HAM-HGWC-120**	Water	08/07/25 12:42	08/08/25 15:50
92811501004	**HAM-HGWC-121A**	Water	08/07/25 11:02	08/08/25 15:50
92811501005	**HAM-HGWC-125**	Water	08/07/25 14:02	08/08/25 15:50
92811501006	**HAM-HGWC-126**	Water	08/07/25 15:38	08/08/25 15:50
92811501007	**HAM-HGWC-124**	Water	08/10/25 09:35	08/11/25 14:40
92811501008	**HAM-AP3-FD-01**	Water	08/10/25 00:00	08/11/25 14:40
92811501009	**HAM-AP3-EB-01**	Water	08/10/25 10:00	08/11/25 14:40
92811501010	**HAM-AP3-FB-01**	Water	08/10/25 10:05	08/11/25 14:40

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

SAMPLE ANALYTE COUNT

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92811501001	**HAM-HGWA-45D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811501002	**HAM-HGWA-122**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811501003	**HAM-HGWC-120**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811501004	**HAM-HGWC-121A**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811501005	**HAM-HGWC-125**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811501006	**HAM-HGWC-126**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811501007	**HAM-HGWC-124**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811501008	**HAM-AP3-FD-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811501009	**HAM-AP3-EB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811501010	**HAM-AP3-FB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811501001	**HAM-HGWA-45D**					
EPA 9315	Radium-226	0.606U ± 0.380 (0.643) C:82% T:NA	pCi/L		08/26/25 09:54	
EPA 9320	Radium-228	0.546U ± 0.381 (0.713) C:65% T:93%	pCi/L		08/22/25 14:36	
Total Radium Calculation	Total Radium	1.15U ± 0.761 (1.36)	pCi/L		08/27/25 15:40	
92811501002	**HAM-HGWA-122**					
EPA 9315	Radium-226	0.110U ± 0.264 (0.624) C:88% T:NA	pCi/L		08/26/25 09:54	
EPA 9320	Radium-228	0.397U ± 0.387 (0.789) C:71% T:87%	pCi/L		08/22/25 14:37	
Total Radium Calculation	Total Radium	0.507U ± 0.651 (1.41)	pCi/L		08/27/25 15:40	
92811501003	**HAM-HGWC-120**					
EPA 9315	Radium-226	0.185U ± 0.123 (0.206) C:92% T:NA	pCi/L		09/09/25 11:36	
EPA 9320	Radium-228	0.653U ± 0.394 (0.723) C:76% T:91%	pCi/L		08/28/25 14:59	
Total Radium Calculation	Total Radium	0.838U ± 0.517 (0.929)	pCi/L		09/10/25 12:01	
92811501004	**HAM-HGWC-121A**					
EPA 9315	Radium-226	0.132U ± 0.116 (0.217) C:88% T:NA	pCi/L		09/09/25 11:43	
EPA 9320	Radium-228	0.786 ± 0.437 (0.776) C:71% T:92%	pCi/L		08/28/25 14:59	
Total Radium Calculation	Total Radium	0.918U ± 0.553 (0.993)	pCi/L		09/10/25 12:01	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811501005	**HAM-HGWC-125**					
EPA 9315	Radium-226	0.204U ± 0.145 (0.256) C:80% T:NA	pCi/L		09/09/25 11:43	
EPA 9320	Radium-228	1.11U ± 0.666 (1.24) C:72% T:87%	pCi/L		08/28/25 14:59	
Total Radium Calculation	Total Radium	1.31U ± 0.811 (1.50)	pCi/L		09/10/25 12:01	
92811501006	**HAM-HGWC-126**					
EPA 9315	Radium-226	0.862 ± 0.337 (0.434) C:88% T:NA	pCi/L		09/11/25 08:30	
EPA 9320	Radium-228	0.881 ± 0.431 (0.712) C:73% T:88%	pCi/L		09/11/25 14:32	
Total Radium Calculation	Total Radium	1.74 ± 0.768 (1.15)	pCi/L		09/12/25 11:35	
92811501007	**HAM-HGWC-124**					
EPA 9315	Radium-226	0.0357U ± 0.113 (0.275) C:75% T:NA	pCi/L		09/09/25 11:43	
EPA 9320	Radium-228	0.647U ± 0.424 (0.798) C:65% T:90%	pCi/L		08/28/25 14:59	
Total Radium Calculation	Total Radium	0.683U ± 0.537 (1.07)	pCi/L		09/10/25 12:01	
92811501008	**HAM-AP3-FD-01**					
EPA 9315	Radium-226	0.0966U ± 0.111 (0.227) C:77% T:NA	pCi/L		09/09/25 11:43	
EPA 9320	Radium-228	0.694U ± 0.404 (0.734) C:75% T:91%	pCi/L		08/28/25 14:58	
Total Radium Calculation	Total Radium	0.791U ± 0.515 (0.961)	pCi/L		09/10/25 12:01	

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
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SUMMARY OF DETECTION

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811501009	**HAM-AP3-EB-01**					
EPA 9315	Radium-226	0.0364U ± 0.0939 (0.225) C:85% T:NA	pCi/L		09/09/25 11:39	
EPA 9320	Radium-228	0.162U ± 0.355 (0.787) C:66% T:91%	pCi/L		08/28/25 14:58	
Total Radium Calculation	Total Radium	0.198U ± 0.449 (1.01)	pCi/L		09/10/25 12:01	
92811501010	**HAM-AP3-FB-01**					
EPA 9315	Radium-226	0.0120U ± 0.0666 (0.175) C:94% T:NA	pCi/L		09/09/25 10:46	
EPA 9320	Radium-228	0.619U ± 0.481 (0.954) C:64% T:88%	pCi/L		08/28/25 14:58	
Total Radium Calculation	Total Radium	0.631U ± 0.548 (1.13)	pCi/L		09/10/25 12:01	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

Sample: HAM-HGWA-45D **Lab ID: 92811501001** Collected: 08/05/25 14:28 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.606U ± 0.380 (0.643) C:82% T:NA**	pCi/L	08/26/25 09:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.546U ± 0.381 (0.713) C:65% T:93%**	pCi/L	08/22/25 14:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.15U ± 0.761 (1.36)**	pCi/L	08/27/25 15:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

Sample: HAM-HGWA-122 **Lab ID: 92811501002** Collected: 08/05/25 16:10 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.110U ± 0.264 (0.624) C:88% T:NA**	pCi/L	08/26/25 09:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.397U ± 0.387 (0.789) C:71% T:87%**	pCi/L	08/22/25 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.507U ± 0.651 (1.41)**	pCi/L	08/27/25 15:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

Sample: HAM-HGWC-120 **Lab ID: 92811501003** Collected: 08/07/25 12:42 Received: 08/08/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.185U ± 0.123 (0.206) C:92% T:NA**	pCi/L	09/09/25 11:36	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.653U ± 0.394 (0.723) C:76% T:91%**	pCi/L	08/28/25 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.838U ± 0.517 (0.929)**	pCi/L	09/10/25 12:01	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

Sample: HAM-HGWC-121A **Lab ID: 92811501004** Collected: 08/07/25 11:02 Received: 08/08/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.132U ± 0.116 (0.217) C:88% T:NA**	pCi/L	09/09/25 11:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.786 ± 0.437 (0.776) C:71% T:92%**	pCi/L	08/28/25 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.918U ± 0.553 (0.993)**	pCi/L	09/10/25 12:01	7440-14-4	

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Huntersville, NC 28078
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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

Sample: HAM-HGWC-125 **Lab ID: 92811501005** Collected: 08/07/25 14:02 Received: 08/08/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.204U ± 0.145 (0.256) C:80% T:NA**	pCi/L	09/09/25 11:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.11U ± 0.666 (1.24) C:72% T:87%**	pCi/L	08/28/25 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.31U ± 0.811 (1.50)**	pCi/L	09/10/25 12:01	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

Sample: HAM-HGWC-126 **Lab ID: 92811501006** Collected: 08/07/25 15:38 Received: 08/08/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.862 ± 0.337 (0.434) C:88% T:NA**	pCi/L	09/11/25 08:30	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.881 ± 0.431 (0.712) C:73% T:88%**	pCi/L	09/11/25 14:32	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.74 ± 0.768 (1.15)**	pCi/L	09/12/25 11:35	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

Sample: HAM-HGWC-124 **Lab ID: 92811501007** Collected: 08/10/25 09:35 Received: 08/11/25 14:40 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	**0.0357U ± 0.113 (0.275) C:75% T:NA**	pCi/L	09/09/25 11:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.647U ± 0.424 (0.798) C:65% T:90%**	pCi/L	08/28/25 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.683U ± 0.537 (1.07)**	pCi/L	09/10/25 12:01	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

Sample: HAM-AP3-FD-01 **Lab ID: 92811501008** Collected: 08/10/25 00:00 Received: 08/11/25 14:40 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	**0.0966U ± 0.111 (0.227) C:77% T:NA**	pCi/L	09/09/25 11:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.694U ± 0.404 (0.734) C:75% T:91%**	pCi/L	08/28/25 14:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.791U ± 0.515 (0.961)**	pCi/L	09/10/25 12:01	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

Sample: HAM-AP3-EB-01 **Lab ID: 92811501009** Collected: 08/10/25 10:00 Received: 08/11/25 14:40 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	**0.0364U ± 0.0939 (0.225) C:85% T:NA**	pCi/L	09/09/25 11:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.162U ± 0.355 (0.787) C:66% T:91%**	pCi/L	08/28/25 14:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.198U ± 0.449 (1.01)**	pCi/L	09/10/25 12:01	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

Sample: HAM-AP3-FB-01 **Lab ID: 92811501010** Collected: 08/10/25 10:05 Received: 08/11/25 14:40 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	**0.0120U ± 0.0666 (0.175) C:94% T:NA**	pCi/L	09/09/25 10:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.619U ± 0.481 (0.954) C:64% T:88%**	pCi/L	08/28/25 14:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.631U ± 0.548 (1.13)**	pCi/L	09/10/25 12:01	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

QC Batch: 764913
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92811501003, 92811501004, 92811501005, 92811501007, 92811501008, 92811501009, 92811501010

METHOD BLANK: 3728187 Matrix: Water
Associated Lab Samples: 92811501003, 92811501004, 92811501005, 92811501007, 92811501008, 92811501009, 92811501010

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.913 ± 0.387 (0.578) C:74% T:93%	pCi/L	08/28/25 14:58	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

QC Batch: 767551
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92811501006

METHOD BLANK: 3741128 Matrix: Water
Associated Lab Samples: 92811501006

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	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

QC Batch: 763825
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92811501001, 92811501002

METHOD BLANK: 3722432 Matrix: Water
Associated Lab Samples: 92811501001, 92811501002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0834 ± 0.202 (0.480) C:94% T:NA	pCi/L	08/26/25 09:54	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

QC Batch: 763994
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92811501001, 92811501002

METHOD BLANK: 3723177 Matrix: Water
Associated Lab Samples: 92811501001, 92811501002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.169 ± 0.334 (0.737) C:74% T:89%	pCi/L	08/22/25 14:36	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

QC Batch: 767550
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92811501006

METHOD BLANK: 3741127 Matrix: Water
Associated Lab Samples: 92811501006

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	

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(704)875-9092

QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

QC Batch: 764912 Analysis Method: EPA 9315
QC Batch Method: EPA 9315 Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92811501003, 92811501004, 92811501005, 92811501007, 92811501008, 92811501009, 92811501010

METHOD BLANK: 3728186 Matrix: Water
Associated Lab Samples: 92811501003, 92811501004, 92811501005, 92811501007, 92811501008, 92811501009, 92811501010

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0156 ± 0.0764 (0.218) C:95% T:NA	pCi/L	09/09/25 11:36	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

Act - Activity

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

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92811501

[1] GEOSYNTEC

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-AP-3- RADs
Pace Project No.: 92811501

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92811501001	**HAM-HGWA-45D**	EPA 9315	763825		
92811501002	**HAM-HGWA-122**	EPA 9315	763825		
92811501003	**HAM-HGWC-120**	EPA 9315	764912		
92811501004	**HAM-HGWC-121A**	EPA 9315	764912		
92811501005	**HAM-HGWC-125**	EPA 9315	764912		
92811501006	**HAM-HGWC-126**	EPA 9315	767550		
92811501007	**HAM-HGWC-124**	EPA 9315	764912		
92811501008	**HAM-AP3-FD-01**	EPA 9315	764912		
92811501009	**HAM-AP3-EB-01**	EPA 9315	764912		
92811501010	**HAM-AP3-FB-01**	EPA 9315	764912		
92811501001	**HAM-HGWA-45D**	EPA 9320	763994		
92811501002	**HAM-HGWA-122**	EPA 9320	763994		
92811501003	**HAM-HGWC-120**	EPA 9320	764913		
92811501004	**HAM-HGWC-121A**	EPA 9320	764913		
92811501005	**HAM-HGWC-125**	EPA 9320	764913		
92811501006	**HAM-HGWC-126**	EPA 9320	767551		
92811501007	**HAM-HGWC-124**	EPA 9320	764913		
92811501008	**HAM-AP3-FD-01**	EPA 9320	764913		
92811501009	**HAM-AP3-EB-01**	EPA 9320	764913		
92811501010	**HAM-AP3-FB-01**	EPA 9320	764913		
92811501001	**HAM-HGWA-45D**	Total Radium Calculation	767371		
92811501002	**HAM-HGWA-122**	Total Radium Calculation	767371		
92811501003	**HAM-HGWC-120**	Total Radium Calculation	769902		
92811501004	**HAM-HGWC-121A**	Total Radium Calculation	769902		
92811501005	**HAM-HGWC-125**	Total Radium Calculation	769902		
92811501006	**HAM-HGWC-126**	Total Radium Calculation	770493		
92811501007	**HAM-HGWC-124**	Total Radium Calculation	769902		
92811501008	**HAM-AP3-FD-01**	Total Radium Calculation	769902		
92811501009	**HAM-AP3-EB-01**	Total Radium Calculation	769902		
92811501010	**HAM-AP3-FB-01**	Total Radium Calculation	769902		

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

Effective Date: 05/24/2024

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

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO#: 92811501

92811501

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

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

Date/Initials Person Examining Contents: 8/6/25 CAH

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: 2.2 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): 2.2

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

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

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

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

Qualtrax ID: 69614

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

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1				2																							
2		1	1				2																							
3					2																									
4					2																									
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pH Adjustment Log for Preserved Samples

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

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92811501

PM: BV **Due Date: 08/28/25**

CLIENT: 92- GP-HAM

Company Name:	Georgia Power- Hammond
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308
Customer Project #:	
Project Name:	Plant Hammond-(AP-3)-2nd SA
Site Collection Info/Facility ID (as applicable):	

Contact/Report To:	Kristen Jurinko
Phone #:	470-217-0008
E-Mail:	knjurink@southernco.com
Cc E-Mail:	
Invoice To:	Account Payable
Invoice E-Mail:	georgiapowerinvoices@southernco.com
Purchase Order # (If applicable):	GPC824/4-0011
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required)*:
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

GW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP) Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	APP IV Metals	RAD 226/228	Sample Comment
HAM-HGWA-45D	WG	Grab			8/5/2025	1428	4			X	X	X			Temp= 20 deg C
HAM-HGWA-122	WG	Grab			8/5/2025	1610	4			X	X	X			Temp= 21 deg C
HAM-HGWA-45D	WG	Grab	ZW 8/5/2025		8/5/2025	1428	2	ZW 8/5/2025					X		Temp= 20 deg C 001
HAM-HGWA-122	WG	Grab			8/5/2025	1610	2						X		Temp= 21 deg C 002
					ZW 8/5/2025										

Specify Container Size **
Identify Container Preservative Type***
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16483
Prelog / Bottle Ord. ID: EZ 3283426

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Task Code: HAM-CCR-ASSMT-2025S2

Collected By:
(Printed Name): Zain Webb
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
Ryan Williams / Pace	8/6/2025 1550	Ryan Williams / Pace	8/6/2025 1010
		[illegible] Hunter	8/6/25 1550

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123

Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:

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

Sample Condition Upon Receipt

Client Name: GC Power **Project #:**

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

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

Date/Initials Person Examining Contents: 6/18 SLL

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

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

Thermometer: ☑ IR Gun ID: 730

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.1 **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): 3.1

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

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

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

Project #

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

Client_____ 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)	1312/12	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1				2																							
2		1	1				2																							
3		1	1				2																							
4		1	1				2																							
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pH Adjustment Log for Preserved Samples

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

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

92811501

Scan QR Code for instructions

Company Name:	Georgia Power- Hammond	Contact/Report To:	Kristen Jurinko
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308	Phone #:	470-217-0008
		E-Mail:	knjurink@southernco.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Plant Hammond-(AP-3)-2nd SA	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (If applicable):	GPC82474-0011
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Blosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	APP IV Metals	RAD 226/228					Sample Comment
Specify Container Size **										3	2	2x3	2x1						
Identify Container Preservative Type***										1	1	2	2						
HAM-HGWC-120	WG	Grab			8/7/2025	1242	6			X	X	X	X	X					Temp = 20 °C 003
HAM-HGWC-121A	WG	Grab			8/7/2025	1102	6			X	X	X	X	X					Temp = 20 °C 004
HAM-HGWC-125	WG	Grab	JN 8/7/2025		8/7/2025	1402	6			X	X	X	X	X					Temp = 20 °C 005
HAM-HGWC-126	WG	Grab			8/7/2025	1538	6	JN 8/7/2025		X	X	X	X	X					Temp = 20 °C 006
						JN 8/7/2025													

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16483

Prelog / Bottle Ord. ID: EZ 3283426

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Task Code: HAM-CCR-ASSMT-2025S2

Collected By: (Printed Name) Thomas Kessler

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Sam Webb / Geosyntec	8/8/25 1320	Kiyan Williams / Pace	8/8/25 1320	
Kiyan Williams / Pace	8/8/25 1550		8/8 1550	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

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

Sample Condition Upon Receipt

Client Name: GA Power

Project #: **WO#: 92811501**

PM: BV Due Date: 08/28/25

CLIENT: 92- GP-HAM

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

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

Date/Initials Person Examining Contents: 8/11/25 CDL

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: 1.8 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 1.8

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

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

*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#: 92811501
PM: BV Due Date: 08/28/25
CLIENT: 92- GP-HAM

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
4		1	1		2		2																							
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

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

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY

WO#: 92811501

PM: BV **Due Date: 08/28/25**

CLIENT: 92- GP-HAM

Company Name:	Georgia Power- Hammond	Contact/Report To:	Kristen Jurinko
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308	Phone #:	470-217-0008
		E-Mail:	knjurink@southernco.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Plant Hammond-(AP-3)-2nd SA	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0011
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	RAD 226/228	Sample Comment
HAM-HGWC-124	WG	Grab	JN 8/10/2025		8/10/2025	0935	6			X	X	X	X	Temp = 18 °C
HAM-AP3-FD-01	WQ	Grab			8/10/2025	0000	6			X	X	X	X	Temp = 18 °C
HAM-AP3-EB-01	WQ	Grab			8/10/2025	1000	6			X	X	X	X	Temp = 18 °C
HAM-AP3-FB-01	WQ	Grab			8/10/2025	1005	6			X	X	X	X	Temp = 18 °C
								JN 8/10/2025						Last sample
						JN 8/10/2025								

Container Size **: 1 | 3 | 2x3 | 2x1

Identify Container Preservative Type***: 1 | 1 | 2 | 2

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
- Proj. Mgr: Bonnie Vang
- Acct Num / Client ID:
- Table #:
- Profile / Template: 16483
- Prelog / Bottle Ord. ID: EZ 3283426

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Task Code: HAM-CCR-ASSMT-202552

Collected By: Jamie Newsome
(Printed Name)
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Tracking Number:
Amendment / Georgia Pow	8/11/2025 1230	Ryan William / Pace	8/11/2025 1230	
Ryan William / Pace	8/11/2025 1440		8/11/2025 1440	Delivered by: [ ] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	
Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	8/25/2025
Worklist:	86546
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3722432
MB concentration:	0.083
M/B 2 Sigma CSU:	0.202
MB MDC:	0.480
MB Numerical Performance Indicator:	0.81
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86546	LCSD86546
Count Date:	8/27/2025	8/27/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.009	25.009
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.505	0.507
Target Conc. (pCi/L, g, F):	4.951	4.937
Uncertainty (Calculated):	0.233	0.232
Result (pCi/L, g, F):	3.820	5.418
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.824	1.065
Numerical Performance Indicator:	-2.59	0.86
Percent Recovery:	77.17%	109.73%
Status vs Numerical Indicator:	Warning	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86546	92810485029
Duplicate Sample I.D.	LCSD86546	92810485029DUP
Sample Result (pCi/L, g, F):	3.820	-0.063
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.824	0.212
Sample Duplicate Result (pCi/L, g, F):	5.418	0.084
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.065	0.202
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-2.325	-0.986
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	34.84%	1372.70%
Duplicate Status vs Numerical Indicator:	Warning	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

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

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

Comments:

VAM 8/27/25

CT 8-27-25

Quality Control Sample Performance Assessment

Pace Analytical
www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	8/27/2025
Worklist:	86630
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3728186
MB concentration:	-0.016
M/B 2 Sigma CSU:	0.076
MB MDC:	0.218
MB Numerical Performance Indicator:	-0.40
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86630	LCSD86630
Count Date:	9/9/2025	9/9/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.009	25.009
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.503	0.501
Target Conc. (pCi/L, g, F):	4.969	4.994
Uncertainty (Calculated):	0.234	0.235
Result (pCi/L, g, F):	4.355	5.240
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.784	0.910
Numerical Performance Indicator:	-1.47	0.51
Percent Recovery:	87.63%	104.93%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86630	92810485041
Duplicate Sample I.D.	LCSD86630	92810485041DUP
Sample Result (pCi/L, g, F):	4.355	0.035
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.784	0.084
Sample Duplicate Result (pCi/L, g, F):	5.240	-0.019
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.910	0.072
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-1.445	0.963
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	17.97%	676.94%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

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

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

Comments:

9-10-25

LAM 9/10/25

Quality Control Sample Performance Assessment

Pace Analytical™
www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	9/8/2025
Worklist:	86832
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3741127
MB concentration:	-0.048
M/B 2 Sigma CSU:	0.173
MB MDC:	0.469
MB Numerical Performance Indicator:	-0.55
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86832	LCSD86832
Count Date:	9/11/2025	9/11/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.009	25.009
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.504	0.505
Target Conc. (pCi/L, g, F):	4.958	4.950
Uncertainty (Calculated):	0.233	0.233
Result (pCi/L, g, F):	5.126	4.675
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.974	0.891
Numerical Performance Indicator:	0.33	-0.59
Percent Recovery:	103.40%	94.44%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86832	92811501006
Duplicate Sample I.D.	LCSD86832	92811501006DUP
Sample Result (pCi/L, g, F):	5.126	0.862
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.974	0.337
Sample Duplicate Result (pCi/L, g, F):	4.675	0.285
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.891	0.196
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	0.671	2.902
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	9.06%	100.60%
Duplicate Status vs Numerical Indicator:	Pass	Warning
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

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

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

Comments:

CT 9/11/25

Page 37 of 40
SC 9/11/25

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Ra-228
Analyst:	VAL
Date:	8/15/2025
Worklist:	86556
Matrix:	WT

Method Blank Assessment	
MB Sample ID	3723177
MB concentration:	0.169
M/B 2 Sigma CSU:	0.334
MB MDC:	0.737
MB Numerical Performance Indicator:	0.99
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86556	LCSD86556
Count Date:	8/22/2025	8/22/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.529	31.529
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.818	0.822
Target Conc. (pCi/L, g, F):	3.856	3.837
Uncertainty (Calculated):	0.189	0.188
Result (pCi/L, g, F):	3.265	2.614
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.792	0.665
Numerical Performance Indicator:	-1.42	-3.47
Percent Recovery:	84.69%	68.13%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86556	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD86556	
Sample Result (pCi/L, g, F):	3.265	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.792	
Sample Duplicate Result (pCi/L, g, F):	2.614	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.665	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	1.233	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	21.67%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

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

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

Comments:

8/25/25

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test: Ra-228
Analyst: JJS1
Date: 8/20/2025
Worklist: 86631
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3728187
MB concentration:	0.913
M/B 2 Sigma CSU:	0.387
MB MDC:	0.578
MB Numerical Performance Indicator:	4.62
MB Status vs Numerical Indicator:	Fail*
MB Status vs. MDC:	See Comment*

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86631	LCSD86631
Count Date:	8/28/2025	8/28/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.465	31.465
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.816	0.820
Target Conc. (pCi/L, g, F):	3.858	3.835
Uncertainty (Calculated):	0.189	0.188
Result (pCi/L, g, F):	2.386	3.053
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.702	0.780
Numerical Performance Indicator:	-3.97	-1.91
Percent Recovery:	61.85%	79.62%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86631	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD86631	
Sample Result (pCi/L, g, F):	2.386	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.702	
Sample Duplicate Result (pCi/L, g, F):	3.053	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.780	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-1.246	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	25.12%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

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

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

Comments:
*The method blank result is below the reporting limit for this analysis and is acceptable.

8/29/25

Quality Control Sample Performance Assessment

Pace Analytical™
www.pacelabs.com

Test:	Ra-228
Analyst:	ZPC
Date:	9/4/2025
Worklist:	86833
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3741128
MB concentration:	0.532
M/B 2 Sigma CSU:	0.377
MB MDC:	0.726
MB Numerical Performance Indicator:	2.76
MB Status vs Numerical Indicator:	Warning
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86833	LCSD86833
Count Date:	9/11/2025	9/11/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.320	31.320
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.816	0.816
Target Conc. (pCi/L, g, F):	3.839	3.836
Uncertainty (Calculated):	0.188	0.188
Result (pCi/L, g, F):	3.190	3.853
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.865	0.973
Numerical Performance Indicator:	-1.44	0.03
Percent Recovery:	83.10%	100.45%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86833	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD86833	
Sample Result (pCi/L, g, F):	3.190	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.865	
Sample Duplicate Result (pCi/L, g, F):	3.853	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.973	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-0.998	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	18.91%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

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

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

Comments:

SLC 9/12/25

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

September 11, 2025

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on August 06, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Jamie Newsome, Geosyntec Consultants
Amanda Tomlinson, Geosyntec Consultants
Zain Webb, Geosyntec Consultants

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

CERTIFICATIONS

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

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

SAMPLE SUMMARY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92811478001	**HAM-HGWA-1**	Water	08/05/25 13:49	08/06/25 15:50
92811478002	**HAM-HGWA-2**	Water	08/05/25 12:50	08/06/25 15:50
92811478003	**HAM-HGWA-3**	Water	08/05/25 13:55	08/06/25 15:50
92811478004	**HAM-HGWA-43D**	Water	08/05/25 12:09	08/06/25 15:50
92811478005	**HAM-HGWA-44D**	Water	08/05/25 10:35	08/06/25 15:50
92811478006	**HAM-UGRD-FD-01**	Water	08/05/25 00:00	08/06/25 15:50
92811478007	**HAM-UGRD-EB-01**	Water	08/05/25 16:55	08/06/25 15:50
92811478008	**HAM-UGRD-FB-01**	Water	08/05/25 17:05	08/06/25 15:50

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SAMPLE ANALYTE COUNT

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92811478001	**HAM-HGWA-1**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811478002	**HAM-HGWA-2**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811478003	**HAM-HGWA-3**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811478004	**HAM-HGWA-43D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811478005	**HAM-HGWA-44D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811478006	**HAM-UGRD-FD-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811478007	**HAM-UGRD-EB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811478008	**HAM-UGRD-FB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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

SUMMARY OF DETECTION

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811478001	**HAM-HGWA-1**					
EPA 9315	Radium-226	0.226U ± 0.287 (0.614) C:84% T:NA	pCi/L		08/26/25 09:52	
EPA 9320	Radium-228	-0.0865U ± 0.391 (0.939) C:59% T:90%	pCi/L		08/22/25 14:37	
Total Radium Calculation	Total Radium	0.226U ± 0.678 (1.55)	pCi/L		08/27/25 15:40	
92811478002	**HAM-HGWA-2**					
EPA 9315	Radium-226	0.0405U ± 0.221 (0.562) C:97% T:NA	pCi/L		08/26/25 09:48	
EPA 9320	Radium-228	0.237U ± 0.430 (0.941) C:61% T:91%	pCi/L		08/22/25 14:37	
Total Radium Calculation	Total Radium	0.278U ± 0.651 (1.50)	pCi/L		08/27/25 15:40	
92811478003	**HAM-HGWA-3**					
EPA 9315	Radium-226	0.101U ± 0.309 (0.737) C:94% T:NA	pCi/L		08/26/25 09:48	
EPA 9320	Radium-228	0.0240U ± 0.427 (0.989) C:65% T:86%	pCi/L		08/22/25 14:38	
Total Radium Calculation	Total Radium	0.125U ± 0.736 (1.73)	pCi/L		08/27/25 15:40	
92811478004	**HAM-HGWA-43D**					
EPA 9315	Radium-226	0.284U ± 0.348 (0.745) C:79% T:NA	pCi/L		08/26/25 09:48	
EPA 9320	Radium-228	0.710U ± 0.433 (0.787) C:70% T:88%	pCi/L		08/22/25 14:38	
Total Radium Calculation	Total Radium	0.994U ± 0.781 (1.53)	pCi/L		08/27/25 15:40	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811478005	**HAM-HGWA-44D**					
EPA 9315	Radium-226	0.255U ± 0.319 (0.682) C:81% T:NA	pCi/L		08/26/25 09:48	
EPA 9320	Radium-228	-0.0142U ± 0.364 (0.855) C:66% T:92%	pCi/L		08/22/25 14:38	
Total Radium Calculation	Total Radium	0.255U ± 0.683 (1.54)	pCi/L		08/27/25 15:40	
92811478006	**HAM-UGRD-FD-01**					
EPA 9315	Radium-226	0.349U ± 0.297 (0.560) C:85% T:NA	pCi/L		08/26/25 09:57	
EPA 9320	Radium-228	0.213U ± 0.409 (0.899) C:67% T:94%	pCi/L		08/22/25 14:38	
Total Radium Calculation	Total Radium	0.562U ± 0.706 (1.46)	pCi/L		08/27/25 15:40	
92811478007	**HAM-UGRD-EB-01**					
EPA 9315	Radium-226	0.148U ± 0.208 (0.449) C:90% T:NA	pCi/L		08/26/25 09:57	
EPA 9320	Radium-228	0.299U ± 0.428 (0.919) C:68% T:83%	pCi/L		08/22/25 14:38	
Total Radium Calculation	Total Radium	0.447U ± 0.636 (1.37)	pCi/L		08/27/25 15:40	
92811478008	**HAM-UGRD-FB-01**					
EPA 9315	Radium-226	-0.121U ± 0.220 (0.627) C:81% T:NA	pCi/L		08/27/25 08:13	
EPA 9320	Radium-228	-0.0925U ± 0.343 (0.824) C:75% T:88%	pCi/L		08/22/25 14:39	
Total Radium Calculation	Total Radium	0.000U ± 0.563 (1.45)	pCi/L		08/27/25 15:40	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Sample: HAM-HGWA-1 **Lab ID: 92811478001** Collected: 08/05/25 13:49 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.226U ± 0.287 (0.614) C:84% T:NA**	pCi/L	08/26/25 09:52	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.0865U ± 0.391 (0.939) C:59% T:90%**	pCi/L	08/22/25 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.226U ± 0.678 (1.55)**	pCi/L	08/27/25 15:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Sample: HAM-HGWA-2 **Lab ID: 92811478002** Collected: 08/05/25 12:50 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0405U ± 0.221 (0.562) C:97% T:NA**	pCi/L	08/26/25 09:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.237U ± 0.430 (0.941) C:61% T:91%**	pCi/L	08/22/25 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.278U ± 0.651 (1.50)**	pCi/L	08/27/25 15:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Sample: HAM-HGWA-3 **Lab ID: 92811478003** Collected: 08/05/25 13:55 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.101U ± 0.309 (0.737) C:94% T:NA**	pCi/L	08/26/25 09:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.0240U ± 0.427 (0.989) C:65% T:86%**	pCi/L	08/22/25 14:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.125U ± 0.736 (1.73)**	pCi/L	08/27/25 15:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Sample: HAM-HGWA-43D **Lab ID: 92811478004** Collected: 08/05/25 12:09 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.284U ± 0.348 (0.745) C:79% T:NA**	pCi/L	08/26/25 09:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.710U ± 0.433 (0.787) C:70% T:88%**	pCi/L	08/22/25 14:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.994U ± 0.781 (1.53)**	pCi/L	08/27/25 15:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Sample: HAM-HGWA-44D **Lab ID: 92811478005** Collected: 08/05/25 10:35 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.255U ± 0.319 (0.682) C:81% T:NA**	pCi/L	08/26/25 09:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.0142U ± 0.364 (0.855) C:66% T:92%**	pCi/L	08/22/25 14:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.255U ± 0.683 (1.54)**	pCi/L	08/27/25 15:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Sample: HAM-UGRD-FD-01 **Lab ID: 92811478006** Collected: 08/05/25 00:00 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.349U ± 0.297 (0.560) C:85% T:NA**	pCi/L	08/26/25 09:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.213U ± 0.409 (0.899) C:67% T:94%**	pCi/L	08/22/25 14:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.562U ± 0.706 (1.46)**	pCi/L	08/27/25 15:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Sample: HAM-UGRD-EB-01 **Lab ID: 92811478007** Collected: 08/05/25 16:55 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.148U ± 0.208 (0.449) C:90% T:NA**	pCi/L	08/26/25 09:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.299U ± 0.428 (0.919) C:68% T:83%**	pCi/L	08/22/25 14:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.447U ± 0.636 (1.37)**	pCi/L	08/27/25 15:40	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Sample: HAM-UGRD-FB-01 **Lab ID: 92811478008** Collected: 08/05/25 17:05 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.121U ± 0.220 (0.627) C:81% T:NA**	pCi/L	08/27/25 08:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.0925U ± 0.343 (0.824) C:75% T:88%**	pCi/L	08/22/25 14:39	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.000U ± 0.563 (1.45)**	pCi/L	08/27/25 15:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

QC Batch: 764910
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples:

METHOD BLANK: 3728178 Matrix: Water
Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.255 ± 0.335 (0.711) C:73% T:86%	pCi/L	08/28/25 14:47	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

QC Batch: 763825
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92811478001, 92811478002, 92811478003, 92811478004, 92811478005, 92811478006, 92811478007, 92811478008

METHOD BLANK: 3722432 Matrix: Water
Associated Lab Samples: 92811478001, 92811478002, 92811478003, 92811478004, 92811478005, 92811478006, 92811478007, 92811478008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0834 ± 0.202 (0.480) C:94% T:NA	pCi/L	08/26/25 09:54	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

QC Batch: 763994
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92811478001, 92811478002, 92811478003, 92811478004, 92811478005, 92811478006, 92811478007, 92811478008

METHOD BLANK: 3723177 Matrix: Water
Associated Lab Samples: 92811478001, 92811478002, 92811478003, 92811478004, 92811478005, 92811478006, 92811478007, 92811478008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.169 ± 0.334 (0.737) C:74% T:89%	pCi/L	08/22/25 14:36	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

QC Batch: 766763
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples:

METHOD BLANK: 3737578 Matrix: Water
Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.315 ± 0.480 (1.04) C:65% T:82%	pCi/L	09/09/25 16:15	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

QC Batch: 764909
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples:

METHOD BLANK: 3728174 Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.100 ± 0.242 (0.568) C:74% T:NA	pCi/L	08/28/25 08:22	

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

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

QC Batch: 766761
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples:

METHOD BLANK: 3737577 Matrix: Water
Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0285 ± 0.328 (0.821) C:83% T:NA	pCi/L	09/04/25 08:32	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

Act - Activity

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

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92817701

[1] GEOSYNTEC

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92811478001	**HAM-HGWA-1**	EPA 9315	763825		
92811478002	**HAM-HGWA-2**	EPA 9315	763825		
92811478003	**HAM-HGWA-3**	EPA 9315	763825		
92811478004	**HAM-HGWA-43D**	EPA 9315	763825		
92811478005	**HAM-HGWA-44D**	EPA 9315	763825		
92811478006	**HAM-UGRD-FD-01**	EPA 9315	763825		
92811478007	**HAM-UGRD-EB-01**	EPA 9315	763825		
92811478008	**HAM-UGRD-FB-01**	EPA 9315	763825		
92811478001	**HAM-HGWA-1**	EPA 9320	763994		
92811478002	**HAM-HGWA-2**	EPA 9320	763994		
92811478003	**HAM-HGWA-3**	EPA 9320	763994		
92811478004	**HAM-HGWA-43D**	EPA 9320	763994		
92811478005	**HAM-HGWA-44D**	EPA 9320	763994		
92811478006	**HAM-UGRD-FD-01**	EPA 9320	763994		
92811478007	**HAM-UGRD-EB-01**	EPA 9320	763994		
92811478008	**HAM-UGRD-FB-01**	EPA 9320	763994		
92811478001	**HAM-HGWA-1**	Total Radium Calculation	767371		
92811478002	**HAM-HGWA-2**	Total Radium Calculation	767371		
92811478003	**HAM-HGWA-3**	Total Radium Calculation	767371		
92811478004	**HAM-HGWA-43D**	Total Radium Calculation	767371		
92811478005	**HAM-HGWA-44D**	Total Radium Calculation	767371		
92811478006	**HAM-UGRD-FD-01**	Total Radium Calculation	767371		
92811478007	**HAM-UGRD-EB-01**	Total Radium Calculation	767371		
92811478008	**HAM-UGRD-FB-01**	Total Radium Calculation	767371		

Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:

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

Sample Condition Upon Receipt

Client Name: GA Power

Project #

WO# : 92811478

92811478

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

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

Date/Initials Person Examining Contents: 8/6/25 LAH

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: 2.2 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): 2.2

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

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: ____ Date/Time: ____

Project Manager SCURF Review: ____ Date: ____

Project Manager SRF Review: ____ Date: ____

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

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GX (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-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved Vials (N/A)
CC																														
1		1	1				2																							
2		1	1				2																							
3		1	1				2																							
4		1	1				2																							
5		1	1				2																							
6		1	1				2																							
7		1	1				2																							
8		1	1				2																							
9					2																									
10					2																									
11					2																									
12					2																									

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.

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

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Items	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BPIN	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NaHSO4 (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)	SPST-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG8U-40 mL Amber Unpreserved vials (N/A)
CC																														
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pH Adjustment Log for Preserved Samples

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

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain of Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92811478

PM: BV **Due Date: 08/28/25**

CLIENT: 92- GP-HAM

Company Name:	Georgia Power- Hammond
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308
Customer Project #:	
Project Name:	Plant Hammond-AP-1/2/3 -2nd SA
Site Collection Info/Facility ID (as applicable):	
Contact/Report To:	Kristen Jurinko
Phone #:	470-217-0008
E-Mail:	knjurink@southernco.com
Cc E-Mail:	
Invoice To:	Account Payable
Invoice E-Mail:	georgiapowerinvoices@southernco.com
Purchase Order # (if applicable):	GPC82474-0011
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	RAD 226/228	Sample Comment
HAM-HGWA-1	WG	Grab	TK 8/5/25		8/5/2025	1349	4	TK 8/5/25		X	X	X		Temp = 17 deg C
HAM-HGWA-2	WG	Grab			8/5/2025	1250	4			X	X	X		Temp = 19 deg C
HAM-HGWA-3	WG	Grab			8/5/2025	1355	4			X	X	X		Temp = 18 deg C
HAM-HGWA-43D	WG	Grab			8/5/2025	1209	4			X	X	X		Temp = 18 deg C
HAM-HGWA-44D	WG	Grab			8/5/2025	1035	4			X	X	X		Temp = 18 deg C
HAM-UGRD-FD-01	WQ	Grab			8/5/2025	0000	4			X	X	X		Temp = 18 deg C
HAM-UGRD-EB-01	WQ	Grab			8/5/2025	1655	4			X	X	X		Temp = 18 deg C
HAM-UGRD-FB-01	WQ	Grab			8/5/2025	1705	4			X	X	X		Temp = 18 deg C
HAM-HGWA-1	WG	Grab			8/5/2025	1349	2						X	Temp = 17 deg C 001
HAM-HGWA-2	WG	Grab			8/5/2025	1250	2						X	Temp = 19 deg C 002

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16483

Prelog / Bottle Ord. ID: EZ 3283380

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Task Code: HAM-CCR-ASSMT-2025S2

Collected By:
(Printed Name) Jamie Newsome, Thomas Kessler
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Relinquished by/Company: (Signature) Jamie Williams / Pace	Date/Time: 8/6/2025 1550	Received by/Company: (Signature)	Date/Time: 8/6/25 1550	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORO-0019_v02_110123 ©

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for Instructions

Company Name:	Georgia Power- Hammond	Contact/Report To:	Kristen Jurinko
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308	Phone #:	470-217-0008
		E-Mail:	knjurink@southernco.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Plant Hammond-AP-1/2/3 -2nd SA	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0011
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0 Cl, SO4, F	ASP III/IV Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample
HAM-HGWA-3	WG	Grab	TK 8/5/25		8/5/2025	1355	2	TK 8/5/2025					X	Temp = 18 deg C 003	
HAM-HGWA-43D	WG	Grab			8/5/2025	1209	2						X	Temp = 18 deg C 004	
HAM-HGWA-44D	WG	Grab			8/5/2025	1035	2						X	Temp = 18 deg C 005	
HAM-UGRD-FD-01	WQ	Grab			8/5/2025	0000	2						X	Temp = 18 deg C 006	
HAM-UGRD-EB-01	WQ	Grab			8/5/2025	1655	2						X	Temp = 18 deg C 007	
HAM-UGRD-FB-01	WQ	Grab			8/5/2025	1705	2						X	Temp = 18 deg C 008	
														last sample	
						TK 8/5/2025									

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16483

Prelog / Bottle Ord. ID: EZ 3283380

Additional Instructions from Pace®:

Collected By:
(Printed Name) Jamie Newsome, Thomas Kessler
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

	Date/Time:		Date/Time:	
Relinquished by/Company: (Signature)	8/6/2025 1040	Received by/Company: (Signature) Ryan Williams / Pace	8/6/2025 1040	Tracking Number:
Relinquished by/Company: (Signature) Ryan Williams / Pace	8/6/2025 1550	Received by/Company: (Signature)	8/6/25 1550	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORO-0019_v02_110123 ©

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-228
Analyst:	VAL
Date:	8/15/2025
Worklist:	86556
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3723177
MB concentration:	0.169
M/B 2 Sigma CSU:	0.334
MB MDC:	0.737
MB Numerical Performance Indicator:	0.99
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86556	LCSD86556
Count Date:	8/22/2025	8/22/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.529	31.529
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.818	0.822
Target Conc. (pCi/L, g, F):	3.856	3.837
Uncertainty (Calculated):	0.189	0.188
Result (pCi/L, g, F):	3.265	2.614
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.792	0.665
Numerical Performance Indicator:	-1.42	-3.47
Percent Recovery:	84.69%	68.13%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86556	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD86556	
Sample Result (pCi/L, g, F):	3.265	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.792	
Sample Duplicate Result (pCi/L, g, F):	2.614	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.665	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	1.233	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	21.67%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

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

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

Comments:

8/25/25

Quality Control Sample Performance Assessment

Pace Analytical
www.pacelabs.com

Test:	Ra-228
Analyst:	VAL
Date:	8/21/2025
Worklist:	86629
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted In Yellow.

Method Blank Assessment	
MB Sample ID	3728178
MB concentration:	0.255
M/B 2 Sigma CSU:	0.335
MB MDC:	0.711
MB Numerical Performance Indicator:	1.49
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86629	LCSD86629
Count Date:	8/28/2025	8/28/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.465	31.465
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.823	0.822
Target Conc. (pCi/L, g, F):	3.821	3.828
Uncertainty (Calculated):	0.187	0.188
Result (pCi/L, g, F):	3.002	4.005
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.761	0.937
Numerical Performance Indicator:	-2.05	0.36
Percent Recovery:	78.54%	104.63%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86629	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD86629	
Sample Result (pCi/L, g, F):	3.002	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.761	
Sample Duplicate Result (pCi/L, g, F):	4.005	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.937	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-1.629	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	28.49%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

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

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

Comments:

ET 8-29-25

8/29/25

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-228
Analyst:	ZPC
Date:	9/2/2025
Worklist:	86785
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3737578
MB concentration:	0.315
M/B 2 Sigma CSU:	0.480
MB MDC:	1.037
MB Numerical Performance Indicator:	1.29
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86785	LCSD86785
Count Date:	9/9/2025	9/9/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.340	31.340
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.817	0.821
Target Conc. (pCi/L, g, F):	3.836	3.815
Uncertainty (Calculated):	0.188	0.187
Result (pCi/L, g, F):	3.868	3.254
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.959	0.852
Numerical Performance Indicator:	0.06	-1.26
Percent Recovery:	100.84%	85.29%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86785	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD86785	
Sample Result (pCi/L, g, F):	3.868	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.959	
Sample Duplicate Result (pCi/L, g, F):	3.254	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.852	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.939	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	16.71%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

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

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

Comments:

9/10/25

Quality Control Sample Performance Assessment

Pace Analytical
www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	8/25/2025
Worklist:	86546
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3722432
MB concentration:	0.083
M/B 2 Sigma CSU:	0.202
MB MDC:	0.480
MB Numerical Performance Indicator:	0.81
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86546	LCSD86546
Count Date:	8/27/2025	8/27/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.009	25.009
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.505	0.507
Target Conc. (pCi/L, g, F):	4.951	4.937
Uncertainty (Calculated):	0.233	0.232
Result (pCi/L, g, F):	3.820	5.418
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.824	1.065
Numerical Performance Indicator:	-2.59	0.86
Percent Recovery:	77.17%	109.73%
Status vs Numerical Indicator:	Warning	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86546	92810485029
Duplicate Sample I.D.	LCSD86546	92810485029DUP
Sample Result (pCi/L, g, F):	3.820	-0.063
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.824	0.212
Sample Duplicate Result (pCi/L, g, F):	5.418	0.084
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.065	0.202
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-2.325	-0.986
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	34.84%	1372.70%
Duplicate Status vs Numerical Indicator:	Warning	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

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

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

Comments:

VAM 8/27/25

CT 8-27-25

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	8/25/2025
Worklist:	86628
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3728174
MB concentration:	0.100
M/B 2 Sigma CSU:	0.242
MB MDC:	0.568
MB Numerical Performance Indicator:	0.81
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86628	LCSD86628
Count Date:	8/29/2025	8/29/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.009	25.009
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.509	0.505
Target Conc. (pCi/L, g, F):	4.918	4.948
Uncertainty (Calculated):	0.231	0.233
Result (pCi/L, g, F):	4.845	4.924
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.945	0.946
Numerical Performance Indicator:	-0.15	-0.05
Percent Recovery:	98.52%	99.52%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86628	92811492017
Duplicate Sample I.D.	LCSD86628	92811492017DUP
Sample Result (pCi/L, g, F):	4.845	-0.060
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.945	0.142
Sample Duplicate Result (pCi/L, g, F):	4.924	0.125
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.946	0.175
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-0.116	-1.603
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	1.02%	566.10%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

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

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

Comments:

ET 8-29-25

UMM 8/29/25

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	9/3/2025
Worklist:	86784
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3737577
MB concentration:	0.028
M/B 2 Sigma CSU:	0.328
MB MDC:	0.821
MB Numerical Performance Indicator:	0.17
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86784	LCSD86784
Count Date:	9/4/2025	9/4/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.009	25.009
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.504	0.507
Target Conc. (pCi/L, g, F):	4.962	4.935
Uncertainty (Calculated):	0.233	0.232
Result (pCi/L, g, F):	4.835	4.973
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.059	1.094
Numerical Performance Indicator:	-0.23	0.07
Percent Recovery:	97.44%	100.77%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86784	92810485047
Duplicate Sample I.D.	LCSD86784	92810485047DUP
Sample Result (pCi/L, g, F):	4.835	0.248
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.059	0.341
Sample Duplicate Result (pCi/L, g, F):	4.973	0.095
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.094	0.286
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-0.178	0.675
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	3.35%	89.47%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

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

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

Comments:

VAM 9/4/25

ET 9-4-25

VALIDATION REPORTS

Geosyntec consultants

180A Market Place Boulevard
Knoxville, TN 37922
PH 865.330.0037
www.geosyntec.com

Memorandum – Revision 1

Date:	26 January 2026
To:	Caroline Nelson
From:	Derek Yeadon
CC:	Kristoffer Henderson
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Pace Project Number 92817686**

SITE: Plant Hammond-Upgradient

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of five water samples, one field duplicate, one field blank, and one equipment blank, collected on 5 August 2025, as part of the Plant Hammond AP-1 on-site sampling event.

The anions and total dissolved solids analyses were performed by Pace Analytical Services, Inc., Asheville, North Carolina (Pace Asheville). The metals and mercury analyses were performed by Pace Analytical Services, Inc., West Columbia, South Carolina (Pace West Columbia). The metals analyses were performed by Pace Analytical Services, Inc., Mount Juliet, Tennessee (Pace National). The samples were analyzed for one or more of the following tests:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3015/6020B and 3005A/6020B
- Mercury by US EPA Method 7470A
- Anions (Chloride, Fluoride and Sulfate) by US EPA Method 300.0 R2.1 1993
- Total Dissolved Solids (TDS) by SM 2540C-2020

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006).

The following samples were analyzed and reported in the laboratory reports:

Laboratory IDs	Client IDs
92811471001	HAM-HGWA-1
92811471002	HAM-HGWA-2
92811471003	HAM-HGWA-3
92811471004	HAM-HGWA-43D
92811471005	HAM-HGWA-44D

Laboratory IDs	Client IDs
92811471006	HAM-UGRD-FD-01
92811471007	HAM-UGRD-EB-01
92811471008	HAM-UGRD-FB-01

The laboratory reported results for the analytical method(s) requested for each sample on the chains of custody (COCs).

The samples were received within 0-6 degrees Celsius (°C). No sample preservation issues were noted by the laboratory.

This data validation report was revised on January 26, 2026 to correct the sample ID table and to change the site name.

1.0 METALS

The samples were analyzed for metals by US EPA methods 3015/6020B and 3005A/6020B. (Mercury was evaluated separately in Section 2.0, below)

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Time
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Field Blank
✓ Field Duplicate
✓ Equipment Blank
✓ Sensitivity
✓ Electronic Data Deliverables Review

1.1 Overall Assessment

The metals data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.2 Holding Time

The holding time for the metals analysis of a water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two method blanks were reported. Metals were not detected in the method blanks above the method detection limits (MDLs).

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two batch MS/MSD pairs were reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

1.6 Field Blank

One field blank, HAM-UGRD-FB-01, was collected with the sample set. Metals were not detected in the field blank above the MDLs.

1.7 Field Duplicate

One field duplicate, HAM-UGRD-FD-01, was collected with the sample set. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, HAM-HGWA-44D.

1.8 Equipment Blank

One equipment blank, HAM-UGRD-EB-01, was collected with the sample set. Metals were not detected in the equipment blank above the MDLs.

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 MERCURY

The samples were analyzed for mercury by US EPA Method 7470A.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Time
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Equipment Blank
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

2.1 Overall Assessment

The mercury data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

2.2 Holding Time

The holding time for the mercury analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported. Mercury was not detected in the method blank above the MDL.

2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One batch MS/MSD pair was reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The recovery result was within the laboratory specified acceptance criteria.

2.6 Field Blank

One field blank, HAM-UGRD-FB-01, was collected with the sample set. Mercury was not detected in the field blank above the MDL.

2.7 Field Duplicate

One field duplicate, HAM-UGRD-FD-01, was collected with the sample set. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, HAM-HGWA-44D.

2.8 Equipment Blank

One equipment blank, HAM-UGRD-EB-01, was collected with the sample set. Mercury was not detected in the equipment blank above the MDL.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable Review

Results and sample ID in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

3.0 WET CHEMISTRY

The samples were analyzed for anions by US EPA method 300.0 and TDS by SM 2540C.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Equipment Blank
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

3.1 Overall Assessment

The wet chemistry data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

3.2 Holding Times

The holding time for the anions (fluoride, chloride, sulfate) analysis of a water sample is 28 days from sample collection to analysis. The holding time for the TDS analysis of a water sample is 7 days from sample collection to analysis. The holding times were met for the sample analyses.

3.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported for anions. One method blank was reported for TDS. The wet chemistry parameters were not detected in the method blanks above the MDLs.

3.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two batch MS/MSD pairs were reported for anions. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). The recovery results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

Two batch laboratory duplicates were reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.7 Field Blank

One field blank, HAM-UGRD-FB-01, was collected with the sample set. The wet chemistry parameters were not detected in the field blanks above the MDLs.

3.8 Field Duplicate

One field duplicate, HAM-UGRD-FD-01, was collected with the sample set. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, HAM-HGWA-44D.

3.9 Equipment Blank

One equipment blank, HAM-UGRD-EB-01, was collected with the sample set. Metals were not detected in the equipment blanks above the MDLs.

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result."

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

DQM Reason Code	Description
AB1	> Samples in batch
AB2	QC sample missing
AB3	Batch analysis time exceeded
BAH	Contamination detected in the Ambient Blank greater than or equal to the Quantitation Limit.
BAL	Contamination detected in the Ambient Blank less than the Quantitation Limit.
BC	Calibration blank contamination
BC1	assoc. result < RL
BC2	assoc. result > RL < mult.
BC3	assoc. result > RL > mult.
BEH	Contamination detected in the Equipment Blank greater than or equal to the Quantitation Limit.
BEL	Contamination detected in the Equipment Blank less than the Quantitation Limit.
BF	Field blank contamination
BF1	assoc. result < RL
BF2	assoc. result > RL < mult.
BF3	assoc. result > RL > mult.
BFH	Contamination detected in the Field Blank greater than or equal to the Quantitation Limit.
BFL	Contamination detected in the Field Blank less than the Quantitation Limit.
BL	Laboratory blank contamination
BL1	assoc. result < RL

DQM Reason Code	Description
BL2	assoc. result > RL < mult.
BL3	assoc. result > RL > mult.
BLH	Contamination detected in the Lab Blank greater than or equal to the Quantitation Limit.
BLL	Contamination detected in the Lab Blank less than the Quantitation Limit.
BT	Trip blank contamination
BT1	assoc. result < RL
BT2	assoc. result > RL < mult.
BT3	assoc. result > RL > mult.
BTH	Contamination detected in the Trip Blank greater than or equal to the Quantitation Limit.
BTL	Contamination detected in the Trip Blank less than the Quantitation Limit.
CA1	Column difference
CC1	CCV %D
CC2	CCV %R
CC3	CCV RRF
CI1	IC RSD
CI2	IC RRF
CR1	Calibration range
CV1	ICV or CCV %D
CV2	ICV or CCV %R
CV3	ICV CCV RRF
DF1	Dilution Factor > 1

DQM Reason Code	Description
DL	Dilution Factor > 1
DVT1	The Dissolved Result > Total Result and the absolute difference > the AD_MULTIPLIER_CL * Detection Limit
DVT2	The Dissolved Result > Total Result and the absolute difference > AD_MULTIPLIER_UCO * Detection Limit
DVT3	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_CL
DVT4	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_UCO
ER1	MDL=<RESULT<RL (INORGANIC)
ER2	MDL=<RESULT<RL (ORGANIC)
FBC1	BLANK CONTAMINATION
FBC2	RESULT < BLANK * MULTIPLIER
FBC3	RESULT > BLANK * MULTIPLIER
FD1	Field duplicate RPD
FD2	Field duplicate abs. diff.
GHT1	GROSS_QUALIFIER_HIT
GHT2	GROSS_QUALIFIER_NON_DETECT
HP1	Hydrocarbon pattern
HT1	Holding time samp. to preservation
HT2	Holding time samp. to analysis
HT3	Holding time gros. samp. to pres.
HT4	Holding time gros. samp. to analysis
IS1	Internal standard
LBC1	BLANK CONTAMINATION

DQM Reason Code	Description
LBC2	RESULT < BLANK * MULTIPLIER
LBC3	RESULT > BLANK * MULTIPLIER
LD1	Lab duplicate RPD
LD2	Lab duplicate abs. diff.
LS1	LS %R
LS2	LS RPD
MS1	MS %R
MS2	MS RPD
MS3	Parent >4x spike
MS4	Spike diluted out
NP1	Non-Preferred Result
NR1	NUMERIC RESULTS
OT1	Other quality issue
PS1	BETWEEN CONTROL AND WARNING LIMITS
PS2	INVALID
PS3	LESS THAN LOWER CONTROL LIMIT
PS4	LESS THAN LOWER WARNING LIMIT
PT1	The preservative for this test id does not match the required preservative in RT_HOLDING_TIME.
RDL1	EXCEEDS REQUIRED DETECTION LIMIT
RL1	ND > project limit
RO1	Other rad. issue
RPD1	LCS/LCSD
RPD2	LCS/LCSD_NON_DETECT
RPD3	MS/MSD
RPD4	MS/MSD_NON_DETECT

DQM Reason Code	Description
RPD5	Orig/Dup
RPD6	Orig/Dup_NON_DETECT
RPDF1	FIELD DUPLICATE
RPDF2	FIELD DUPLICATE NON_DETECT
RQ1	Rad. quantitation issue
RR1	Repeated result same method
RR2	Repeated result diff. method
RSD1	RSD exceeds CL for LCS sample
RSD2	RSD exceeds CL for MS sample
RSD3	RSD exceeds CL for Lab sample
RSD4	RSD exceeds CL for Field sample
RY1	Tracer or carrier
SD1	Serial dilution
SO1	High moisture
SO2	Wet weight
SP1	Preservation, temp
SP2	Preservation, pH
SP3	Preservation, headspace
SPR1	BLANK SPIKE > UCL
SPR10	EarthSoft.DQM.SpikeRecovery2
SPR11	EarthSoft.DQM.SpikeRecovery2
SPR12	EarthSoft.DQM.SpikeRecovery2
SPR2	INORGANIC SPIKE > UCL
SPR3	ORGANIC SPIKE > UCL
SPR4	LCL > BLANK > LOW_CUTOFF
SPR5	LCL > INORG > LOW_CUTOFF
SPR6	LCL > ORG > LOW_CUTOFF
SPR7	BLANK SPIKE < LOW_CUTOFF

DQM Reason Code	Description
SPR8	INORGANIC SPIKE < LOW_CUTOFF
SPR9	ORGANIC SPIKE < LOW_CUTOFF
SU	Surrogate outlier
SU1	Surrogate
SU2	Surrogate diluted out
SURR1	ASSO. DETECTS OF LCL > REC > LOW_CUTOFF
SURR10	EarthSoft.DQM.SurrogateRecovery
SURR11	EarthSoft.DQM.SurrogateRecovery
SURR12	EarthSoft.DQM.SurrogateRecovery
SURR2	ASSO. DETECTS OF REC < LOW_CUTOFF
SURR3	ASSO. DETECTS OF REC > UCL
SURR4	ASSO. NDS OF LCL > REC > LOW_CUTOFF
SURR5	ASSO. NDS OF REC < LOW_CUTOFF
SURR6	ASSO. NDS OF REC > UCL
SURR7	LCL > REC > LOW_CUTOFF
SURR8	REC < LOW_CUTOFF
SURR9	REC > UCL
TBC1	BLANK CONTAMINATION
TBC2	RESULT < BLANK * MULTIPLIER
TBC3	RESULT > BLANK * MULTIPLIER
TR	Trace Detection
TR1	Trace detection
TRA1	Tracer is outside of UCL or LCL
TRA2	Associated result of a tracer less than the LCL
TRA3	Associated detect result of a tracer greater than the UCL
VC1	Canister vacuum
VC2	Canister contamination

DQM Reason Code	Description
VSU1	INVALID SAMPLE UNIT TYPE
VSU2	MISSING SAMPLE UNIT TYPE
VSU3	NON-DEFAULT RESULT UNIT

AD-Absolute Difference
CCV-Continuous Calibration Verification
CL-Control Limit
%D-Percent Difference
IC-Initial Calibration
ICV-Initial Calibration Verification
INORG-Inorganic
LCL-Lower Control Limit
LCS-Laboratory Control Spike
LCSD-Laboratory Control Spike Duplicate
LS-Laboratory Spike
MDL-Method Detection Limit
MS-Matrix Spike
MSD-Matrix Spike Duplicate
ND-Not Detected
ORG-Organic
QC-Quality Control
%R-Percent Recovery
REC-Recovery
RL-Reporting Limit
RPD-Relative Percent Difference
RRF-Relative Response Factor
RSD-Relative Standard Deviation
UCL-Upper Control Limit
UCO-Upper Cut Off

Geosyntec consultants

180A Market Place Boulevard
Knoxville, TN 37922
PH 865.330.0037
www.geosyntec.com

Memorandum- Revision 1

Date:	26 January 2026
To:	Kristen Jurinko
From:	Matthew Richardson
CC:	Kristoffer Henderson
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Pace Analytical Services, LLC Project Number 92817701**

SITE: Plant Hammond-Upgradient

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation five groundwater samples, one field duplicate, one field blank and one equipment blank, collected on 5 August 2025, as part of the Plant Hammond AP on-site sampling event.

The samples were analyzed at Pace Analytical Services, LLC, Greensburg, Pennsylvania, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Total Radium by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011);
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006);
- Field Sampling Plan – All Sites, Georgia Power Company, Southern Company, January 2024, Revised May 2024; and

- Idaho National Engineering and Environmental Laboratory, RADIOANALYTICAL DATA VALIDATION, May 11, 2004 (GDE-205).

The following samples were analyzed and reported in the laboratory reports:

Laboratory IDs	Client IDs
92811478001	HAM-HGWA-1
92811478002	HAM-HGWA-2
92811478003	HAM-HGWA-3
92811478004	HAM-HGWA-43D

Laboratory IDs	Client IDs
92811478005	HAM-HGWA-44D
92811478006	HAM-UGRD-FD-01
92811478007	HAM-UGRD-EB-01
92811478008	HAM-UGRD-FB-01

The samples were received within 0-6 degrees Celsius (ºC). No sample preservation issues were noted by the laboratory.

This data validation report was revised on January 26, 2026 to update the site name.

1.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA method 9315, radium-228 by US EPA method 9320 and total radium by calculation.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Laboratory Duplicate
✓ Tracers and Carriers
✓ Field Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity

1.1 Overall Assessment

The radium-226 and radium-228 data reported in this data set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio

of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.2 Holding Times

The holding times for the radium-226 and radium-228 analyses of a water sample are 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Method blanks were reported for the radium-226 and radium-228 data. Radium-226 and radium-228 were not detected in the method blanks at or above the measured 2σ uncertainty or the minimum detectable concentration (MDC).

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD pairs were not reported with the sample set.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCS/LCS duplicate (LCSD) pairs were reported for radium-226 and radium-228. The recovery and mean difference (MD) results were within the laboratory specified acceptance criteria.

However, the relative percent difference (RPD) for radium-226 in the LCS/LCSD pair in batch 763825 was high and outside of the laboratory specified acceptance criteria. Since the MD was acceptable and based on professional and technical judgment, no qualifications were applied to the data.

1.6 Laboratory Duplicate

Batch laboratory duplicates were reported with the sample set. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses, and a tracer was reported for the radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 Field Blank

One field blank, HAM-UGRD-FB-01, was collected with the sample set and analyzed for radium-226 and radium-228. Radium-226 and radium-228 were not detected in the field blank at or above the measured 2σ uncertainty or the MDC.

1.9 Equipment Blank

One equipment blank, HAM-UGRD-EB-01, was collected with the sample set and analyzed for radium-226 and radium-228. Radium-226 and radium-228 were not detected in the equipment blank at or above the measured 2σ uncertainty or the MDC.

1.10 Field Duplicate

One field duplicate sample, HAM-UGRD-FD-01, was collected with the sample set. Acceptable precision (MD ≤ 3, RPD < 20%) was demonstrated between the field duplicate and the original sample, HAM-HGWA-44D.

1.11 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result."

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

DQM Reason Code	Description
AB1	> Samples in batch
AB2	QC sample missing
AB3	Batch analysis time exceeded
BAH	Contamination detected in the Ambient Blank greater than or equal to the Quantitation Limit.
BAL	Contamination detected in the Ambient Blank less than the Quantitation Limit.
BC	Calibration blank contamination
BC1	assoc. result < RL
BC2	assoc. result > RL < mult.
BC3	assoc. result > RL > mult.
BEH	Contamination detected in the Equipment Blank greater than or equal to the Quantitation Limit.
BEL	Contamination detected in the Equipment Blank less than the Quantitation Limit.
BF	Field blank contamination
BF1	assoc. result < RL
BF2	assoc. result > RL < mult.
BF3	assoc. result > RL > mult.
BFH	Contamination detected in the Field Blank greater than or equal to the Quantitation Limit.
BFL	Contamination detected in the Field Blank less than the Quantitation Limit.
BL	Laboratory blank contamination
BL1	assoc. result < RL
BL2	assoc. result > RL < mult.
BL3	assoc. result > RL > mult.
BLH	Contamination detected in the Lab Blank greater than or equal to the Quantitation Limit.
BLL	Contamination detected in the Lab Blank less than the Quantitation Limit.
BT	Trip blank contamination
BT1	assoc. result < RL
BT2	assoc. result > RL < mult.
BT3	assoc. result > RL > mult.
BTH	Contamination detected in the Trip Blank greater than or equal to the Quantitation Limit.
BTL	Contamination detected in the Trip Blank less than the Quantitation Limit.
CA1	Column difference
CC1	CCV %D
CC2	CCV %R
CC3	CCV RRF
CI1	IC RSD
CI2	IC RRF
CR1	Calibration range
CV1	ICV or CCV %D
CV2	ICV or CCV %R
CV3	ICV CCV RRF
DF1	Dilution Factor > 1
DL	Dilution Factor > 1

DQM Reason Code	Description
DVT1	The Dissolved Result > Total Result and the absolute difference > the AD_MULTIPLIER_CL * Detection Limit
DVT2	The Dissolved Result > Total Result and the absolute difference > AD_MULTIPLIER_UCO * Detection Limit
DVT3	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_CL
DVT4	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_UCO
ER1	MDL=<RESULT<RL (INORGANIC)
ER2	MDL=<RESULT<RL (ORGANIC)
FBC1	BLANK CONTAMINATION
FBC2	RESULT < BLANK * MULTIPLIER
FBC3	RESULT > BLANK * MULTIPLIER
FD1	Field duplicate RPD
FD2	Field duplicate abs. diff.
GHT1	GROSS_QUALIFIER_HIT
GHT2	GROSS_QUALIFIER_NON_DETECT
HP1	Hydrocarbon pattern
HT1	Holding time samp. to preservation
HT2	Holding time samp. to analysis
HT3	Holding time gros. samp. to pres.
HT4	Holding time gros. samp. to analysis
IS1	Internal standard
LBC1	BLANK CONTAMINATION

DQM Reason Code	Description
LBC2	RESULT < BLANK * MULTIPLIER
LBC3	RESULT > BLANK * MULTIPLIER
LD1	Lab duplicate RPD
LD2	Lab duplicate abs. diff.
LS1	LS %R
LS2	LS RPD
MS1	MS %R
MS2	MS RPD
MS3	Parent >4x spike
MS4	Spike diluted out
NP1	Non-Preferred Result
NR1	NUMERIC RESULTS
OT1	Other quality issue
PS1	BETWEEN CONTROL AND WARNING LIMITS
PS2	INVALID
PS3	LESS THAN LOWER CONTROL LIMIT
PS4	LESS THAN LOWER WARNING LIMIT
PT1	The preservative for this test id does not match the required preservative in RT_HOLDING_TIME.
RDL1	EXCEEDS REQUIRED DETECTION LIMIT
RL1	ND > project limit
RO1	Other rad. issue
RPD1	LCS/LCSD
RPD2	LCS/LCSD_NON_DETECT
RPD3	MS/MSD
RPD4	MS/MSD_NON_DETECT

DQM Reason Code	Description
RPD5	Orig/Dup
RPD6	Orig/Dup_NON_DETECT
RPDF1	FIELD DUPLICATE
RPDF2	FIELD DUPLICATE NON_DETECT
RQ1	Rad. quantitation issue
RR1	Repeated result same method
RR2	Repeated result diff. method
RSD1	RSD exceeds CL for LCS sample
RSD2	RSD exceeds CL for MS sample
RSD3	RSD exceeds CL for Lab sample
RSD4	RSD exceeds CL for Field sample
RY1	Tracer or carrier
SD1	Serial dilution
SO1	High moisture
SO2	Wet weight
SP1	Preservation, temp
SP2	Preservation, pH
SP3	Preservation, headspace
SPR1	BLANK SPIKE > UCL
SPR10	EarthSoft.DQM.SpikeRecovery2
SPR11	EarthSoft.DQM.SpikeRecovery2
SPR12	EarthSoft.DQM.SpikeRecovery2
SPR2	INORGANIC SPIKE > UCL
SPR3	ORGANIC SPIKE > UCL
SPR4	LCL > BLANK > LOW_CUTOFF
SPR5	LCL > INORG > LOW_CUTOFF
SPR6	LCL > ORG > LOW_CUTOFF
SPR7	BLANK SPIKE < LOW_CUTOFF

DQM Reason Code	Description
SPR8	INORGANIC SPIKE < LOW_CUTOFF
SPR9	ORGANIC SPIKE < LOW_CUTOFF
SU	Surrogate outlier
SU1	Surrogate
SU2	Surrogate diluted out
SURR1	ASSO. DETECTS OF LCL > REC > LOW_CUTOFF
SURR10	EarthSoft.DQM.SurrogateRecovery
SURR11	EarthSoft.DQM.SurrogateRecovery
SURR12	EarthSoft.DQM.SurrogateRecovery
SURR2	ASSO. DETECTS OF REC < LOW_CUTOFF
SURR3	ASSO. DETECTS OF REC > UCL
SURR4	ASSO. NDS OF LCL > REC > LOW_CUTOFF
SURR5	ASSO. NDS OF REC < LOW_CUTOFF
SURR6	ASSO. NDS OF REC > UCL
SURR7	LCL > REC > LOW_CUTOFF
SURR8	REC < LOW_CUTOFF
SURR9	REC > UCL
TBC1	BLANK CONTAMINATION
TBC2	RESULT < BLANK * MULTIPLIER
TBC3	RESULT > BLANK * MULTIPLIER
TR	Trace Detection
TR1	Trace detection
TRA1	Tracer is outside of UCL or LCL
TRA2	Associated result of a tracer less than the LCL
TRA3	Associated detect result of a tracer greater than the UCL
VC1	Canister vacuum
VC2	Canister contamination

DQM Reason Code	Description
VSU1	INVALID SAMPLE UNIT TYPE
VSU2	MISSING SAMPLE UNIT TYPE

DQM Reason Code	Description
VSU3	NON-DEFAULT RESULT UNIT

AD-Absolute Difference
CCV-Continuous Calibration Verification
CL-Control Limit
%D-Percent Difference
IC-Initial Calibration
ICV-Initial Calibration Verification
INORG-Inorganic
LCL-Lower Control Limit
LCS-Laboratory Control Spike
LCSD-Laboratory Control Spike Duplicate
LS-Laboratory Spike
MDL-Method Detection Limit
MS-Matrix Spike
MSD-Matrix Spike Duplicate
ND-Not Detected
ORG-Organic
QC-Quality Control
%R-Percent Recovery
REC-Recovery
RL-Reporting Limit
RPD-Relative Percent Difference
RRF-Relative Response Factor
RSD-Relative Standard Deviation
UCL-Upper Control Limit
UCO-Upper Cut Off

Geosyntec consultants

180A Market Place Boulevard
Knoxville, TN 37922
PH 865.330.0037
www.geosyntec.com

Memorandum

Date:	21 January 2026
To:	Caroline Nelson
From:	Matthew Richardson
CC:	Kristoffer Henderson
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Pace Project Number 92811498**

SITE: Plant Hammond AP-3

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of seven water samples, one field duplicate, one field blank, and one equipment blank, collected 5,7 and 10 August 2025, as part of the Plant Hammond AP-1 on-site sampling event.

The anions and total dissolved solids analyses were performed by Pace Analytical Services, Inc., Asheville, North Carolina (Pace Asheville). The metals and mercury analyses were performed by Pace Analytical Services, Inc., West Columbia, South Carolina (Pace West Columbia). The metals analyses were performed by Pace Analytical Services, Inc., Mount Juliet, Tennessee (Pace National). The samples were analyzed for one or more of the following tests:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3015/6020B and 3005A/6020B
- Mercury by US EPA Method 7470A
- Anions (Chloride, Fluoride and Sulfate) by US EPA Method 300.0 R2.1 1993
- Total Dissolved Solids (TDS) by SM 2540C-2020

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data are usable for supporting project objectives.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006).

The following samples were analyzed and reported in the laboratory reports:

Laboratory IDs	Client IDs
92811498001	HAM-HGWA-45D
92811498002	HAM-HGWA-122
92811498003	HAM-HGWC-120
92811498004	HAM-HGWC-121A
92811498005	HAM-HGWC-125

Laboratory IDs	Client IDs
92811498006	HAM-HGWC-126
92811498007	HAM-HGWC-124
92811498008	HAM-AP3-FD-01
92811498009	HAM-AP3-EB-01
92811498010	HAM-AP3-FB-01

The laboratory reported results for the analytical method(s) requested for each sample on the chains of custody (COCs).

The samples were received within 0-6 degrees Celsius (°C). No sample preservation issues were noted by the laboratory.

1.0 METALS

The samples were analyzed for metals by US EPA methods 3015/6020B and 3005A/6020B. (Mercury was evaluated separately in Section 2.0, below)

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Time
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Field Blank
✓ Field Duplicate
✓ Equipment Blank
✓ Sensitivity

1.1 Overall Assessment

The metals data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.2 Holding Time

The holding time for the metals analysis of a water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Method blanks were reported for each batch. Metals were not detected in the method blanks at or above the method detection limits (MDLs).

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One sample set specific MS/MSD pair was reported, using sample HAM-AP3-FB-01. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria.

Batch MS/MSD pairs were reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCSs were reported for each batch. The recovery results were within the laboratory specified acceptance criteria.

1.6 Field Blank

One field blank, HAM-AP3-FB-01, was collected with the sample set. Metals were not detected in the field blank at or above the MDLs.

1.7 Field Duplicate

One field duplicate, HAM-AP3-FD-01, was collected with the sample set. Acceptable precision (RPD ≤ 30%) was demonstrated between the field duplicate and the original sample, HAM-HGWC-124.

1.8 Equipment Blank

One equipment blank, HAM-AP3-EB-01, was collected with the sample set. Metals were not detected in the equipment blank above the MDLs.

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

2.0 MERCURY

The samples were analyzed for mercury by US EPA Method 7470A.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Time
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Equipment Blank
- ✓ Sensitivity

2.1 Overall Assessment

The mercury data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

2.2 Holding Time

The holding time for the mercury analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Method blanks were reported for each batch. Mercury was not detected in the method blanks above the MDL.

2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples).

Batch MS/MSD pairs were reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCSs were reported for each batch. The recovery results were within the laboratory specified acceptance criteria.

2.6 Field Blank

One field blank, HAM-AP3-FB-01, was collected with the sample set. Mercury was not detected in the field blank above the MDL.

2.7 Field Duplicate

One field duplicate, HAM-AP3-FD-01, was collected with the sample set. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, HAM-HGWC-124.

2.8 Equipment Blank

One equipment blank, HAM-AP3-EB-01, was collected with the sample set. Mercury was not detected in the equipment blank above the MDL.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

3.0 WET CHEMISTRY

The samples were analyzed for anions by US EPA method 300.0 and TDS by SM 2540C.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Equipment Blank
- ✓ Sensitivity

3.1 Overall Assessment

The wet chemistry data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

3.2 Holding Times

The holding time for the anions (fluoride, chloride, sulfate) analysis of a water sample is 28 days from sample collection to analysis. The holding time for the TDS analysis of a water sample is 7 days from sample collection to analysis. The holding times were met for the sample analyses.

3.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Method blanks were reported for each batch. The wet chemistry parameters were not detected in the method blanks above the MDLs.

3.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One sample set specific MS/MSD pair was reported for anions, using sample HAM-AP3-EB-01. The recovery and RPD results were within the laboratory specified acceptance criteria.

Batch MS/MSD pairs were reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCSs were reported with each analytical method and batch. The recovery results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

One sample set specific laboratory duplicate was reported for TDS using sample HAM-HGWC-125. The RPD result was within the laboratory specified acceptance criteria.

Batch laboratory duplicates were reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.7 Field Blank

One field blank, HAM-AP3-FB-01, was collected with the sample set. The wet chemistry parameters were not detected in the field blanks above the MDLs.

3.8 Field Duplicate

One field duplicate, HAM-AP3-FD-01, was collected with the sample set. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, HAM-HGWC-124.

3.9 Equipment Blank

One equipment blank, HAM-AP3-EB-01, was collected with the sample set. Metals were not detected in the equipment blanks above the MDLs.

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

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DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result."

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

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DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

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BEL	Contamination detected in the Equipment Blank less than the Quantitation Limit.
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BF1	assoc. result < RL
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BF3	assoc. result > RL > mult.
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BFL	Contamination detected in the Field Blank less than the Quantitation Limit.
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BL1	assoc. result < RL
BL2	assoc. result > RL < mult.
BL3	assoc. result > RL > mult.
BLH	Contamination detected in the Lab Blank greater than or equal to the Quantitation Limit.
BLL	Contamination detected in the Lab Blank less than the Quantitation Limit.
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BT1	assoc. result < RL
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BT3	assoc. result > RL > mult.
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BTL	Contamination detected in the Trip Blank less than the Quantitation Limit.
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CC1	CCV %D
CC2	CCV %R
CC3	CCV RRF
CI1	IC RSD
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CR1	Calibration range
CV1	ICV or CCV %D
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DF1	Dilution Factor > 1
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DVT3	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_CL
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FBC2	RESULT < BLANK * MULTIPLIER
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HT1	Holding time samp. to preservation
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HT3	Holding time gros. samp. to pres.
HT4	Holding time gros. samp. to analysis
IS1	Internal standard
LBC1	BLANK CONTAMINATION

DQM Reason Code	Description
LBC2	RESULT < BLANK * MULTIPLIER
LBC3	RESULT > BLANK * MULTIPLIER
LD1	Lab duplicate RPD
LD2	Lab duplicate abs. diff.
LS1	LS %R
LS2	LS RPD
MS1	MS %R
MS2	MS RPD
MS3	Parent >4x spike
MS4	Spike diluted out
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NR1	NUMERIC RESULTS
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RL1	ND > project limit
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RPD2	LCS/LCSD_NON_DETECT
RPD3	MS/MSD
RPD4	MS/MSD_NON_DETECT

DQM Reason Code	Description
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RPD6	Orig/Dup_NON_DETECT
RPDF1	FIELD DUPLICATE
RPDF2	FIELD DUPLICATE NON_DETECT
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RR2	Repeated result diff. method
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RSD2	RSD exceeds CL for MS sample
RSD3	RSD exceeds CL for Lab sample
RSD4	RSD exceeds CL for Field sample
RY1	Tracer or carrier
SD1	Serial dilution
SO1	High moisture
SO2	Wet weight
SP1	Preservation, temp
SP2	Preservation, pH
SP3	Preservation, headspace
SPR1	BLANK SPIKE > UCL
SPR10	EarthSoft.DQM.SpikeRecovery2
SPR11	EarthSoft.DQM.SpikeRecovery2
SPR12	EarthSoft.DQM.SpikeRecovery2
SPR2	INORGANIC SPIKE > UCL
SPR3	ORGANIC SPIKE > UCL
SPR4	LCL > BLANK > LOW_CUTOFF
SPR5	LCL > INORG > LOW_CUTOFF
SPR6	LCL > ORG > LOW_CUTOFF
SPR7	BLANK SPIKE < LOW_CUTOFF

DQM Reason Code	Description
SPR8	INORGANIC SPIKE < LOW_CUTOFF
SPR9	ORGANIC SPIKE < LOW_CUTOFF
SU	Surrogate outlier
SU1	Surrogate
SU2	Surrogate diluted out
SURR1	ASSO. DETECTS OF LCL > REC > LOW_CUTOFF
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SURR11	EarthSoft.DQM.SurrogateRecovery
SURR12	EarthSoft.DQM.SurrogateRecovery
SURR2	ASSO. DETECTS OF REC < LOW_CUTOFF
SURR3	ASSO. DETECTS OF REC > UCL
SURR4	ASSO. NDS OF LCL > REC > LOW_CUTOFF
SURR5	ASSO. NDS OF REC < LOW_CUTOFF
SURR6	ASSO. NDS OF REC > UCL
SURR7	LCL > REC > LOW_CUTOFF
SURR8	REC < LOW_CUTOFF
SURR9	REC > UCL
TBC1	BLANK CONTAMINATION
TBC2	RESULT < BLANK * MULTIPLIER
TBC3	RESULT > BLANK * MULTIPLIER
TR	Trace Detection
TR1	Trace detection
TRA1	Tracer is outside of UCL or LCL
TRA2	Associated result of a tracer less than the LCL
TRA3	Associated detect result of a tracer greater than the UCL
VC1	Canister vacuum
VC2	Canister contamination

DQM Reason Code	Description
VSU1	INVALID SAMPLE UNIT TYPE
VSU2	MISSING SAMPLE UNIT TYPE
VSU3	NON-DEFAULT RESULT UNIT

AD-Absolute Difference
CCV-Continuous Calibration Verification
CL-Control Limit
%D-Percent Difference
IC-Initial Calibration
ICV-Initial Calibration Verification
INORG-Inorganic
LCL-Lower Control Limit
LCS-Laboratory Control Spike
LCSD-Laboratory Control Spike Duplicate
LS-Laboratory Spike
MDL-Method Detection Limit
MS-Matrix Spike
MSD-Matrix Spike Duplicate
ND-Not Detected
ORG-Organic
QC-Quality Control
%R-Percent Recovery
REC-Recovery
RL-Reporting Limit
RPD-Relative Percent Difference
RRF-Relative Response Factor
RSD-Relative Standard Deviation
UCL-Upper Control Limit
UCO-Upper Cut Off

Geosyntec consultants

180A Market Place Boulevard
Knoxville, TN 37922
PH 865.330.0037
www.geosyntec.com

Memorandum

Date:	21 January 2026
To:	Kristen Jurinko
From:	Matthew Richardson
CC:	Kristoffer Henderson
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Pace Analytical Services, LLC Project Number 92811501**

SITE: Plant Hammond AP-3

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation seven water samples, one field duplicate, one field blank, and one equipment blank, collected 5,7 and 10 August 2025, as part of the Plant Hammond AP on-site sampling event.

The samples were analyzed at Pace Analytical Services, LLC, Greensburg, Pennsylvania, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Total Radium by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011);
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006);
- Field Sampling Plan – All Sites, Georgia Power Company, Southern Company, January 2024, Revised May 2024; and

- Idaho National Engineering and Environmental Laboratory, RADIOANALYTICAL DATA VALIDATION, May 11, 2004 (GDE-205).

The following samples were analyzed and reported in the laboratory reports:

Laboratory IDs	Client IDs
92811501001	HAM-HGWA-45D
92811501002	HAM-HGWA-122
92811501003	HAM-HGWC-120
92811501004	HAM-HGWC-121A
92811501005	HAM-HGWC-125

Laboratory IDs	Client IDs
92811501006	HAM-HGWC-126
92811501007	HAM-HGWC-124
92811501008	HAM-AP3-FD-01
92811501009	HAM-AP3-EB-01
92811501010	HAM-AP3-FB-01

The samples were received within 0-6 degrees Celsius (ºC). No sample preservation issues were noted by the laboratory.

1.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA method 9315, radium-228 by US EPA method 9320 and total radium by calculation.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Times
⊗ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Laboratory Duplicate
✓ Tracers and Carriers
✓ Field Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity

1.1 Overall Assessment

1.1.1 Completeness

The radium-226 and radium-228 data reported in this data set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.1.2 Analysis Anomaly

Radium-228 was detected in sample HAM-HGWC-121A at a concentration greater than the minimum detectable concentration (MDC) and total radium was U flag as less than the MDC. Since total radium is calculated from the combined radium 226 and 228 concentrations, and radium-228 was detected, the total radium result should be considered a detection greater than the MDC. Therefore, the U flag was removed for the total radium result for sample HAM-HGWC-121A.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier*	DQM Reason Code**
HAM-HGWC-121A	Combined Radium 226 + 228	0.918	U	0.918	NA	R01

pCi/L-picocuries per liter
U-not detected at or above the MDC
NA-not applicable
* Validation qualifiers are defined in Attachment 1 at the end of this report
**Data Quality Module (DQM) reason codes are defined in Attachment 2 at the end of this report

1.2 Holding Times

The holding times for the radium-226 and radium-228 analyses of a water sample are 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Method blanks were reported for the radium-226 and radium-228 data. Radium-226 and radium-228 were not detected in the method blanks at or above the measured 2σ uncertainty or the MDC, with the following exceptions.

Radium-228 (0.913 pCi/L) was detected in the method blank in batch 764913 at a concentration greater than the MDC. No qualifications were applied to the radium-228 results less than the MDC.

However, the radium-228 and combined radium 226 + 228 result in sample HAM-HGWC-121A were J qualified as estimated.

Radium-228 (0.532 pCi/L) was detected in the method blank in batch 767551 at a concentration greater than the measured 2σ uncertainty. Therefore, the radium-228 and combined radium 226 + 228 result in sample HAM-HGWC-126 were J qualified as estimated.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	DQM Reason Code
HAM-HGWC-121A	Radium-228	0.786	NA	0.786	UJ	BL
HAM-HGWC-121A	Combined Radium 226 + 228	0.918	U	0.918	UJ	BL
HAM-HGWC-126	Radium-228	0.881	NA	0.881	UJ	BL
HAM-HGWC-126	Combined Radium 226 + 228	1.74	NA	1.74	UJ	BL

pCi/L-picocuries per liter
U-not detected at or above the MDC
NA-not applicable

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD pairs were not reported with the sample set.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCS/LCS duplicate (LCSD) pairs were reported for radium-226 and radium-228. The recovery and mean difference (MD) results were within the laboratory specified acceptance criteria.

However, the RPD for radium-226 in the LCS/LCSD pair in batch 763825 was high and outside of the laboratory specified acceptance criteria. Since the MD was acceptable and based on professional and technical judgment, no qualifications were applied to the data.

1.6 Laboratory Duplicate

One sample set specific laboratory duplicate was reported for radium-226, using sample HAM-HGWC-126. The MD result was within the laboratory specified acceptance criteria. However, the RPD for radium-226 in the laboratory duplicate was high and outside of the laboratory specified acceptance criteria. Since the MD was less than 3 and based on professional and technical judgment, no qualifications were applied to the data.

Batch laboratory duplicates were also reported with the sample set. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses, and a tracer was reported for the radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 Field Blank

One field blank, HAM-AP3-FB-01, was collected with the sample set and analyzed for radium-226 and radium-228. Radium-226 and radium-228 were not detected in the field blanks at or above the measured 2σ uncertainty or the MDC, with the following exception.

Radium-228 (0.619 pCi/L) was detected in HAM-AP3-FB-01 at a concentration greater than the measured 2σ uncertainty. Since the associated radium-228 results were either less than the MDC or UJ qualified due to method blank contamination, no additional qualifications were applied to the data.

1.9 Equipment Blank

One equipment blank, HAM-AP3-EB-01, was collected with the sample set and analyzed for radium-226 and radium-228. Radium-226 and radium-228 were not detected in the field blanks at or above the measured 2σ uncertainty or the MDC.

1.10 Field Duplicate

One field duplicate sample, HAM-AP3-FD-01, was collected with the sample set. Acceptable precision [MD ≤ 3, relative percent difference (RPD) ≤ 30%] was demonstrated between the field duplicate and the original sample, HAM-HGWC-124.

1.11 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result."

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

DQM Reason Code	Description
AB1	> Samples in batch
AB2	QC sample missing
AB3	Batch analysis time exceeded
BAH	Contamination detected in the Ambient Blank greater than or equal to the Quantitation Limit.
BAL	Contamination detected in the Ambient Blank less than the Quantitation Limit.
BC	Calibration blank contamination
BC1	assoc. result < RL
BC2	assoc. result > RL < mult.
BC3	assoc. result > RL > mult.
BEH	Contamination detected in the Equipment Blank greater than or equal to the Quantitation Limit.
BEL	Contamination detected in the Equipment Blank less than the Quantitation Limit.
BF	Field blank contamination
BF1	assoc. result < RL
BF2	assoc. result > RL < mult.
BF3	assoc. result > RL > mult.
BFH	Contamination detected in the Field Blank greater than or equal to the Quantitation Limit.
BFL	Contamination detected in the Field Blank less than the Quantitation Limit.
BL	Laboratory blank contamination
BL1	assoc. result < RL
BL2	assoc. result > RL < mult.

DQM Reason Code	Description
BL3	assoc. result > RL > mult.
BLH	Contamination detected in the Lab Blank greater than or equal to the Quantitation Limit.
BLL	Contamination detected in the Lab Blank less than the Quantitation Limit.
BT	Trip blank contamination
BT1	assoc. result < RL
BT2	assoc. result > RL < mult.
BT3	assoc. result > RL > mult.
BTH	Contamination detected in the Trip Blank greater than or equal to the Quantitation Limit.
BTL	Contamination detected in the Trip Blank less than the Quantitation Limit.
CA1	Column difference
CC1	CCV %D
CC2	CCV %R
CC3	CCV RRF
CI1	IC RSD
CI2	IC RRF
CR1	Calibration range
CV1	ICV or CCV %D
CV2	ICV or CCV %R
CV3	ICV CCV RRF
DF1	Dilution Factor > 1
DL	Dilution Factor > 1

DQM Reason Code	Description
DVT1	The Dissolved Result > Total Result and the absolute difference > the AD_MULTIPLIER_CL * Detection Limit
DVT2	The Dissolved Result > Total Result and the absolute difference > AD_MULTIPLIER_UCO * Detection Limit
DVT3	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_CL
DVT4	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_UCO
ER1	MDL=<RESULT<RL (INORGANIC)
ER2	MDL=<RESULT<RL (ORGANIC)
FBC1	BLANK CONTAMINATION
FBC2	RESULT < BLANK * MULTIPLIER
FBC3	RESULT > BLANK * MULTIPLIER
FD1	Field duplicate RPD
FD2	Field duplicate abs. diff.
GHT1	GROSS_QUALIFIER_HIT
GHT2	GROSS_QUALIFIER_NON_DETECT
HP1	Hydrocarbon pattern
HT1	Holding time samp. to preservation
HT2	Holding time samp. to analysis
HT3	Holding time gros. samp. to pres.
HT4	Holding time gros. samp. to analysis
IS1	Internal standard
LBC1	BLANK CONTAMINATION

DQM Reason Code	Description
LBC2	RESULT < BLANK * MULTIPLIER
LBC3	RESULT > BLANK * MULTIPLIER
LD1	Lab duplicate RPD
LD2	Lab duplicate abs. diff.
LS1	LS %R
LS2	LS RPD
MS1	MS %R
MS2	MS RPD
MS3	Parent >4x spike
MS4	Spike diluted out
NP1	Non-Preferred Result
NR1	NUMERIC RESULTS
OT1	Other quality issue
PS1	BETWEEN CONTROL AND WARNING LIMITS
PS2	INVALID
PS3	LESS THAN LOWER CONTROL LIMIT
PS4	LESS THAN LOWER WARNING LIMIT
PT1	The preservative for this test id does not match the required preservative in RT_HOLDING_TIME.
RDL1	EXCEEDS REQUIRED DETECTION LIMIT
RL1	ND > project limit
RO1	Other rad. issue
RPD1	LCS/LCSD
RPD2	LCS/LCSD_NON_DETECT
RPD3	MS/MSD
RPD4	MS/MSD_NON_DETECT

DQM Reason Code	Description
RPD5	Orig/Dup
RPD6	Orig/Dup_NON_DETECT
RPDF1	FIELD DUPLICATE
RPDF2	FIELD DUPLICATE NON_DETECT
RQ1	Rad. quantitation issue
RR1	Repeated result same method
RR2	Repeated result diff. method
RSD1	RSD exceeds CL for LCS sample
RSD2	RSD exceeds CL for MS sample
RSD3	RSD exceeds CL for Lab sample
RSD4	RSD exceeds CL for Field sample
RY1	Tracer or carrier
SD1	Serial dilution
SO1	High moisture
SO2	Wet weight
SP1	Preservation, temp
SP2	Preservation, pH
SP3	Preservation, headspace
SPR1	BLANK SPIKE > UCL
SPR10	EarthSoft.DQM.SpikeRecovery2
SPR11	EarthSoft.DQM.SpikeRecovery2
SPR12	EarthSoft.DQM.SpikeRecovery2
SPR2	INORGANIC SPIKE > UCL
SPR3	ORGANIC SPIKE > UCL
SPR4	LCL > BLANK > LOW_CUTOFF
SPR5	LCL > INORG > LOW_CUTOFF
SPR6	LCL > ORG > LOW_CUTOFF
SPR7	BLANK SPIKE < LOW_CUTOFF

DQM Reason Code	Description
SPR8	INORGANIC SPIKE < LOW_CUTOFF
SPR9	ORGANIC SPIKE < LOW_CUTOFF
SU	Surrogate outlier
SU1	Surrogate
SU2	Surrogate diluted out
SURR1	ASSO. DETECTS OF LCL > REC > LOW_CUTOFF
SURR10	EarthSoft.DQM.SurrogateRecovery
SURR11	EarthSoft.DQM.SurrogateRecovery
SURR12	EarthSoft.DQM.SurrogateRecovery
SURR2	ASSO. DETECTS OF REC < LOW_CUTOFF
SURR3	ASSO. DETECTS OF REC > UCL
SURR4	ASSO. NDS OF LCL > REC > LOW_CUTOFF
SURR5	ASSO. NDS OF REC < LOW_CUTOFF
SURR6	ASSO. NDS OF REC > UCL
SURR7	LCL > REC > LOW_CUTOFF
SURR8	REC < LOW_CUTOFF
SURR9	REC > UCL
TBC1	BLANK CONTAMINATION
TBC2	RESULT < BLANK * MULTIPLIER
TBC3	RESULT > BLANK * MULTIPLIER
TR	Trace Detection
TR1	Trace detection
TRA1	Tracer is outside of UCL or LCL
TRA2	Associated result of a tracer less than the LCL
TRA3	Associated detect result of a tracer greater than the UCL
VC1	Canister vacuum
VC2	Canister contamination

DQM Reason Code	Description
VSU1	INVALID SAMPLE UNIT TYPE
VSU2	MISSING SAMPLE UNIT TYPE

DQM Reason Code	Description
VSU3	NON-DEFAULT RESULT UNIT

AD-Absolute Difference
CCV-Continuous Calibration Verification
CL-Control Limit
%D-Percent Difference
IC-Initial Calibration
ICV-Initial Calibration Verification
INORG-Inorganic
LCL-Lower Control Limit
LCS-Laboratory Control Spike
LCSD-Laboratory Control Spike Duplicate
LS-Laboratory Spike
MDL-Method Detection Limit
MS-Matrix Spike
MSD-Matrix Spike Duplicate
ND-Not Detected
ORG-Organic
QC-Quality Control
%R-Percent Recovery
REC-Recovery
RL-Reporting Limit
RPD-Relative Percent Difference
RRF-Relative Response Factor
RSD-Relative Standard Deviation
UCL-Upper Control Limit
UCO-Upper Cut Off

FIELD SAMPLING REPORTS

Low-Flow Test Report:

Test Date / Time: 8/5/2025 1:04:14 PM
Project: GP- Plant Hammond
Operator Name: T. Kessler

Location Name: HGWA-1 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 22.49 ft** **Total Depth: 32.49 ft** **Initial Depth to Water: 18.33 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 27.49 ft** **Estimated Total Volume Pumped: 9 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.57 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Cloudy, 75 degrees 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 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/5/2025 1:04 PM	00:00	6.889 pH	18.43 °C	585.7 µS/cm	1.791 mg/L	2.180 NTU	82.4 mV	18.90 ft	200.0 ml/min
8/5/2025 1:09 PM	05:00	6.898 pH	18.26 °C	593.2 µS/cm	1.037 mg/L	1.310 NTU	80.2 mV	18.90 ft	200.0 ml/min
8/5/2025 1:14 PM	10:00	6.914 pH	18.10 °C	594.3 µS/cm	0.748 mg/L	1.110 NTU	95.5 mV	18.90 ft	200.0 ml/min
8/5/2025 1:19 PM	15:00	6.921 pH	18.07 °C	598.6 µS/cm	0.503 mg/L	0.460 NTU	97.3 mV	18.90 ft	200.0 ml/min
8/5/2025 1:24 PM	20:00	6.923 pH	18.15 °C	601.7 µS/cm	0.533 mg/L	0.470 NTU	79.1 mV	18.90 ft	200.0 ml/min
8/5/2025 1:29 PM	25:00	6.942 pH	17.16 °C	586.2 µS/cm	0.293 mg/L	0.020 NTU	96.5 mV	18.90 ft	200.0 ml/min
8/5/2025 1:34 PM	30:00	6.934 pH	17.08 °C	608.7 µS/cm	0.157 mg/L	0.050 NTU	74.0 mV	18.90 ft	200.0 ml/min
8/5/2025 1:39 PM	35:00	6.937 pH	17.01 °C	620.8 µS/cm	0.101 mg/L	0.070 NTU	56.7 mV	18.90 ft	200.0 ml/min
8/5/2025 1:44 PM	40:00	6.942 pH	17.07 °C	624.0 µS/cm	0.070 mg/L	0.100 NTU	48.8 mV	18.90 ft	200.0 ml/min

Samples

Sample ID:	Description:

HAM-HGWA-1	Grab.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 12:18:04 PM
Project: GP-Plant Hammond
Operator Name: J. Newsome

Location Name: HGWA-2 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.95 ft** **Total Depth: 27.95 ft** **Initial Depth to Water: 13.55 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 22.95 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 0.2 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Overcast, 70 degrees 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 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/5/2025 12:18 PM	00:00	5.25 pH	18.81 °C	220.77 µS/cm	0.53 mg/L	12.51 NTU	113.1 mV	13.55 ft	200.00 ml/min
8/5/2025 12:23 PM	05:00	4.98 pH	18.70 °C	245.38 µS/cm	0.41 mg/L	12.30 NTU	107.6 mV	13.75 ft	200.00 ml/min
8/5/2025 12:28 PM	10:00	4.93 pH	18.88 °C	246.51 µS/cm	0.49 mg/L	7.98 NTU	97.3 mV	13.75 ft	200.00 ml/min
8/5/2025 12:33 PM	15:00	4.90 pH	18.91 °C	246.79 µS/cm	0.48 mg/L	4.00 NTU	93.1 mV	13.75 ft	200.00 ml/min
8/5/2025 12:38 PM	20:00	4.91 pH	18.83 °C	246.74 µS/cm	0.48 mg/L	3.97 NTU	89.2 mV	13.75 ft	200.00 ml/min
8/5/2025 12:43 PM	25:00	4.93 pH	18.83 °C	247.43 µS/cm	0.50 mg/L	1.90 NTU	86.4 mV	13.75 ft	200.00 ml/min
8/5/2025 12:48 PM	30:00	4.90 pH	18.92 °C	246.88 µS/cm	0.52 mg/L	1.01 NTU	86.2 mV	13.75 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-2	Grab.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 1:16:16 PM
Project: GP-Plant Hammond
Operator Name: J. Newsome

Location Name: HGWA-3 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.51 ft** **Total Depth: 44.51 ft** **Initial Depth to Water: 13.19 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Pump Intake From TOC: 39.51 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Overcast, 70 degrees 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 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/5/2025 1:16 PM	00:00	6.51 pH	18.82 °C	436.22 µS/cm	0.80 mg/L	53.21 NTU	31.5 mV	13.19 ft	200.00 ml/min
8/5/2025 1:21 PM	05:00	6.78 pH	18.51 °C	434.56 µS/cm	0.07 mg/L	50.10 NTU	13.2 mV	13.24 ft	200.00 ml/min
8/5/2025 1:26 PM	10:00	6.90 pH	18.47 °C	433.92 µS/cm	0.04 mg/L	18.80 NTU	5.2 mV	13.24 ft	200.00 ml/min
8/5/2025 1:31 PM	15:00	6.98 pH	18.51 °C	432.26 µS/cm	0.04 mg/L	11.90 NTU	1.9 mV	13.24 ft	200.00 ml/min
8/5/2025 1:36 PM	20:00	7.04 pH	18.51 °C	432.70 µS/cm	0.05 mg/L	10.09 NTU	-2.0 mV	13.24 ft	200.00 ml/min
8/5/2025 1:41 PM	25:00	7.06 pH	18.51 °C	432.65 µS/cm	0.05 mg/L	7.26 NTU	-4.9 mV	13.24 ft	200.00 ml/min
8/5/2025 1:46 PM	30:00	7.09 pH	18.50 °C	432.55 µS/cm	0.05 mg/L	5.67 NTU	-9.4 mV	13.24 ft	200.00 ml/min
8/5/2025 1:51 PM	35:00	7.12 pH	18.44 °C	432.91 µS/cm	0.05 mg/L	4.75 NTU	-15.2 mV	13.24 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-3	Grab.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 11:32:03 AM
Project: GP-Plant Hammond
Operator Name: T. Kessler

Location Name: HGWA-43D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 51.25 ft** **Total Depth: 61.25 ft** **Initial Depth to Water: 18.4 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 56.25 ft** **Estimated Total Volume Pumped: 7.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.45 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Cloudy, 69 degrees 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 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
8/5/2025 11:32 AM	00:00	7.383 pH	17.72 °C	458.4 µS/cm	0.464 mg/L	2.510 NTU	-60.6 mV	20.25 ft	200.0 ml/min
8/5/2025 11:37 AM	05:00	7.396 pH	17.59 °C	460.6 µS/cm	0.352 mg/L	1.890 NTU	-101.4 mV	20.50 ft	200.0 ml/min
8/5/2025 11:42 AM	10:00	7.414 pH	17.54 °C	461.8 µS/cm	0.297 mg/L	1.530 NTU	-109.9 mV	20.70 ft	200.0 ml/min
8/5/2025 11:47 AM	15:00	7.425 pH	17.59 °C	460.6 µS/cm	0.272 mg/L	1.040 NTU	-81.3 mV	20.80 ft	200.0 ml/min
8/5/2025 11:49 AM	17:27	7.425 pH	17.57 °C	459.0 µS/cm	0.262 mg/L	1.040 NTU	-82.8 mV	20.85 ft	200.0 ml/min
8/5/2025 11:54 AM	22:27	7.426 pH	17.54 °C	455.9 µS/cm	0.244 mg/L	2.260 NTU	-109.2 mV	20.85 ft	200.0 ml/min
8/5/2025 11:59 AM	27:27	7.423 pH	17.58 °C	453.4 µS/cm	0.213 mg/L	0.730 NTU	-77.5 mV	20.85 ft	200.0 ml/min
8/5/2025 12:04 PM	32:27	7.422 pH	17.55 °C	451.1 µS/cm	0.190 mg/L	0.930 NTU	-76.0 mV	20.85 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-43D	Grab.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 9:20:19 AM
Project: HGWA-44D
Operator Name: T. Kessler

Location Name: HGWA-44D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 103.5 ft** **Total Depth: 113.5 ft** **Initial Depth to Water: 18.9 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 108.5 ft** **Estimated Total Volume Pumped: 14 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 5.15 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Cloudy, 69 degrees 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 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
8/5/2025 9:20 AM	00:00	8.339 pH	18.03 °C	553.9 µS/cm	1.942 mg/L	10.92 NTU	-104.3 mV	21.20 ft	200.0 ml/min
8/5/2025 9:25 AM	05:00	8.359 pH	17.98 °C	550.7 µS/cm	1.263 mg/L	12.50 NTU	-105.5 mV	21.46 ft	200.0 ml/min
8/5/2025 9:30 AM	10:00	8.375 pH	17.90 °C	544.7 µS/cm	0.520 mg/L	13.52 NTU	-106.1 mV	21.69 ft	200.0 ml/min
8/5/2025 9:35 AM	15:00	8.390 pH	17.90 °C	554.9 µS/cm	0.246 mg/L	13.41 NTU	-111.2 mV	21.95 ft	200.0 ml/min
8/5/2025 9:40 AM	20:00	8.403 pH	17.90 °C	549.9 µS/cm	0.228 mg/L	6.610 NTU	-117.1 mV	22.41 ft	200.0 ml/min
8/5/2025 9:45 AM	25:00	8.413 pH	17.90 °C	546.2 µS/cm	0.200 mg/L	6.510 NTU	-123.3 mV	22.75 ft	200.0 ml/min
8/5/2025 9:50 AM	30:00	8.421 pH	17.89 °C	548.0 µS/cm	0.179 mg/L	6.300 NTU	-124.6 mV	23.05 ft	200.0 ml/min
8/5/2025 9:55 AM	35:00	8.429 pH	17.86 °C	551.4 µS/cm	0.098 mg/L	5.710 NTU	-128.9 mV	23.20 ft	200.0 ml/min
8/5/2025 10:00 AM	40:00	8.436 pH	17.88 °C	553.5 µS/cm	0.086 mg/L	6.310 NTU	-133.0 mV	23.41 ft	200.0 ml/min
8/5/2025 10:05 AM	45:00	8.441 pH	17.98 °C	553.4 µS/cm	0.077 mg/L	5.140 NTU	-136.3 mV	23.52 ft	200.0 ml/min
8/5/2025 10:10 AM	50:00	8.449 pH	17.82 °C	564.2 µS/cm	1.690 mg/L	4.840 NTU	-184.9 mV	23.70 ft	200.0 ml/min
8/5/2025 10:15 AM	55:00	8.454 pH	17.90 °C	562.2 µS/cm	3.420 mg/L	4.840 NTU	-188.1 mV	23.75 ft	200.0 ml/min
8/5/2025 10:20 AM	01:00:00	8.459 pH	17.85 °C	570.4 µS/cm	0.092 mg/L	4.630 NTU	-188.5 mV	23.90 ft	200.0 ml/min

8/5/2025 10:25 AM	01:05:00	8.460 pH	17.89 °C	564.9 µS/cm	0.069 mg/L	4.770 NTU	-146.2 mV	23.90 ft	200.0 ml/min
8/5/2025 10:30 AM	01:10:00	8.463 pH	17.91 °C	558.0 µS/cm	0.053 mg/L	4.280 NTU	-147.9 mV	24.05 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-44D	Grab.
HAM-UGRD-FD-01	Grab.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 1:23:11 PM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: HGWA-45D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.87 ft** **Total Depth: 62.87 ft** **Initial Depth to Water: 10.73 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 57.87 ft** **Estimated Total Volume Pumped: 13 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.75 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Cloudy, 75 degrees 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 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/5/2025 1:23 PM	00:00	7.425 pH	23.80 °C	495.6 µS/cm	3.397 mg/L	0.880 NTU	-20.3 mV	10.73 ft	200.0 ml/min
8/5/2025 1:28 PM	05:00	7.319 pH	20.35 °C	511.7 µS/cm	0.471 mg/L	0.610 NTU	-80.0 mV	11.16 ft	200.0 ml/min
8/5/2025 1:33 PM	10:00	7.353 pH	20.20 °C	498.9 µS/cm	0.808 mg/L	0.790 NTU	-93.0 mV	11.42 ft	200.0 ml/min
8/5/2025 1:38 PM	15:00	7.352 pH	20.21 °C	488.2 µS/cm	0.177 mg/L	0.850 NTU	-98.7 mV	11.43 ft	200.0 ml/min
8/5/2025 1:43 PM	20:00	7.351 pH	20.21 °C	479.9 µS/cm	0.134 mg/L	0.540 NTU	-78.3 mV	11.45 ft	200.0 ml/min
8/5/2025 1:48 PM	25:00	7.372 pH	20.08 °C	475.3 µS/cm	0.125 mg/L	0.180 NTU	-81.3 mV	11.47 ft	200.0 ml/min
8/5/2025 1:53 PM	30:00	7.390 pH	19.90 °C	475.7 µS/cm	0.784 mg/L	0.160 NTU	-105.0 mV	11.47 ft	200.0 ml/min
8/5/2025 1:58 PM	35:00	7.397 pH	19.90 °C	473.5 µS/cm	0.259 mg/L	0.210 NTU	-109.6 mV	11.48 ft	200.0 ml/min
8/5/2025 2:03 PM	40:00	7.400 pH	19.84 °C	470.3 µS/cm	0.157 mg/L	0.100 NTU	-85.0 mV	11.48 ft	200.0 ml/min
8/5/2025 2:08 PM	45:00	7.400 pH	19.94 °C	468.4 µS/cm	0.151 mg/L	0.210 NTU	-86.0 mV	11.48 ft	200.0 ml/min
8/5/2025 2:13 PM	50:00	7.401 pH	19.99 °C	468.8 µS/cm	0.161 mg/L	0.170 NTU	-85.9 mV	11.48 ft	200.0 ml/min
8/5/2025 2:18 PM	55:00	7.405 pH	19.99 °C	468.2 µS/cm	0.166 mg/L	0.140 NTU	-86.2 mV	11.48 ft	200.0 ml/min
8/5/2025 2:23 PM	01:00:00	7.406 pH	20.13 °C	467.0 µS/cm	0.166 mg/L	0.250 NTU	-86.4 mV	11.48 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-45D	Grab.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 3:29:57 PM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: HGWA-122 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.76 ft** **Total Depth: 27.76 ft** **Initial Depth to Water: 11.85 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 22.76 ft** **Estimated Total Volume Pumped: 8 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.04 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Cloudy, 75 degrees 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 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/5/2025 3:29 PM	00:00	6.691 pH	21.21 °C	316.3 µS/cm	3.158 mg/L	4.440 NTU	36.5 mV	11.85 ft	200.0 ml/min
8/5/2025 3:34 PM	05:00	6.581 pH	20.76 °C	314.8 µS/cm	3.114 mg/L	0.810 NTU	56.8 mV	11.87 ft	200.0 ml/min
8/5/2025 3:39 PM	10:00	6.572 pH	20.59 °C	322.2 µS/cm	2.962 mg/L	0.570 NTU	63.9 mV	11.87 ft	200.0 ml/min
8/5/2025 3:44 PM	15:00	6.582 pH	20.59 °C	326.8 µS/cm	2.797 mg/L	0.480 NTU	68.3 mV	11.88 ft	200.0 ml/min
8/5/2025 3:49 PM	20:00	6.586 pH	20.68 °C	330.0 µS/cm	2.689 mg/L	0.270 NTU	71.5 mV	11.88 ft	200.0 ml/min
8/5/2025 3:54 PM	25:00	6.577 pH	20.77 °C	330.8 µS/cm	2.633 mg/L	0.100 NTU	74.6 mV	11.89 ft	200.0 ml/min
8/5/2025 3:59 PM	30:00	6.581 pH	20.89 °C	333.1 µS/cm	2.581 mg/L	0.240 NTU	76.4 mV	11.89 ft	200.0 ml/min
8/5/2025 4:04 PM	35:00	6.582 pH	21.05 °C	334.0 µS/cm	2.563 mg/L	0.330 NTU	78.1 mV	11.89 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-122	Grab.

Low-Flow Test Report:

Test Date / Time: 8/7/2025 12:12:37 PM
Project: GP-Plant Hammond
Operator Name: T. Kessler

Location Name: HGWC-120 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 57 ft** **Total Depth: 67 ft** **Initial Depth to Water: 40.25 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 62 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Cloudy, 75 degrees 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 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
8/7/2025 12:12 PM	00:00	7.132 pH	23.34 °C	773.7 µS/cm	2.692 mg/L	1.180 NTU	-68.6 mV	40.25 ft	200.0 ml/min
8/7/2025 12:17 PM	05:00	6.925 pH	20.30 °C	858.2 µS/cm	0.405 mg/L	4.940 NTU	-51.8 mV	40.25 ft	200.0 ml/min
8/7/2025 12:22 PM	10:00	6.911 pH	20.31 °C	856.7 µS/cm	0.168 mg/L	6.080 NTU	-14.9 mV	40.25 ft	200.0 ml/min
8/7/2025 12:27 PM	15:00	6.904 pH	20.27 °C	856.1 µS/cm	0.132 mg/L	5.910 NTU	-10.5 mV	40.25 ft	200.0 ml/min
8/7/2025 12:32 PM	20:00	6.900 pH	20.11 °C	857.6 µS/cm	0.116 mg/L	3.690 NTU	-8.0 mV	40.25 ft	200.0 ml/min
8/7/2025 12:37 PM	25:00	6.898 pH	20.08 °C	859.2 µS/cm	0.106 mg/L	2.880 NTU	-33.5 mV	40.25 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-120	Grab.

Low-Flow Test Report:

Test Date / Time: 8/7/2025 10:27:48 AM
Project: GP-Plant Hammond
Operator Name: T. Kessler

Location Name: HGWC-121A **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.98 ft** **Total Depth: 37.98 ft** **Initial Depth to Water: 17.54 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 32.98 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Cloudy, 75 degrees 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 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
8/7/2025 10:27 AM	00:00	7.068 pH	21.92 °C	0.513 µS/cm	5.396 mg/L	10.50 NTU	51.6 mV	17.65 ft	200.0 ml/min
8/7/2025 10:32 AM	05:00	6.808 pH	20.50 °C	787.6 µS/cm	0.256 mg/L	6.870 NTU	11.1 mV	17.65 ft	200.0 ml/min
8/7/2025 10:37 AM	10:00	6.794 pH	19.98 °C	825.3 µS/cm	0.173 mg/L	5.810 NTU	29.5 mV	17.65 ft	200.0 ml/min
8/7/2025 10:42 AM	15:00	6.799 pH	19.47 °C	838.2 µS/cm	0.141 mg/L	5.310 NTU	16.1 mV	17.65 ft	200.0 ml/min
8/7/2025 10:47 AM	20:00	6.803 pH	19.77 °C	835.2 µS/cm	0.137 mg/L	4.450 NTU	18.4 mV	17.65 ft	200.0 ml/min
8/7/2025 10:52 AM	25:00	6.800 pH	20.15 °C	834.3 µS/cm	0.123 mg/L	3.020 NTU	19.5 mV	17.65 ft	200.0 ml/min
8/7/2025 10:57 AM	30:00	6.803 pH	20.53 °C	831.4 µS/cm	0.130 mg/L	2.790 NTU	23.6 mV	17.65 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-121A	Grab.

Low-Flow Test Report:

Test Date / Time: 8/10/2025 9:02:06 AM
Project: GP-Plant Hammond
Operator Name: J. Newsome

Location Name: HGWC-124 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.12 ft** **Total Depth: 35.12 ft** **Initial Depth to Water: 16.33 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 26.91 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 0.82 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Cloudy, 70 degrees 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 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/10/2025 9:02 AM	00:00	7.22 pH	18.46 °C	514.74 µS/cm	0.20 mg/L	7.29 NTU	84.0 mV	17.21 ft	200.00 ml/min
8/10/2025 9:07 AM	05:00	7.24 pH	18.28 °C	521.29 µS/cm	0.11 mg/L	3.41 NTU	92.5 mV	17.15 ft	200.00 ml/min
8/10/2025 9:12 AM	10:00	7.20 pH	18.30 °C	527.40 µS/cm	0.12 mg/L	2.96 NTU	102.4 mV	17.15 ft	200.00 ml/min
8/10/2025 9:17 AM	15:00	7.19 pH	18.34 °C	529.63 µS/cm	0.12 mg/L	2.43 NTU	105.5 mV	17.15 ft	200.00 ml/min
8/10/2025 9:22 AM	20:00	7.18 pH	18.28 °C	531.32 µS/cm	0.13 mg/L	2.19 NTU	107.9 mV	17.15 ft	200.00 ml/min
8/10/2025 9:27 AM	25:00	7.15 pH	18.29 °C	532.12 µS/cm	0.13 mg/L	1.84 NTU	109.8 mV	17.15 ft	200.00 ml/min
8/10/2025 9:32 AM	30:00	7.14 pH	18.33 °C	530.52 µS/cm	0.12 mg/L	1.99 NTU	111.6 mV	17.15 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-124	Grab.
HAM-AP3-FD-01	Grab.

Low-Flow Test Report:

Test Date / Time: 8/7/2025 1:27:13 PM
Project: GP-Plant Hammond
Operator Name: T. Kessler

Location Name: HGWC-125 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 53.19 ft** **Total Depth: 63.19 ft** **Initial Depth to Water: 43.64 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 58.19 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Cloudy, 80 degrees 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 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
8/7/2025 1:27 PM	00:00	6.277 pH	23.07 °C	827.5 µS/cm	2.408 mg/L	1.540 NTU	107.5 mV	43.65 ft	200.0 ml/min
8/7/2025 1:32 PM	05:00	6.152 pH	19.97 °C	880.4 µS/cm	1.525 mg/L	0.040 NTU	129.9 mV	43.67 ft	200.0 ml/min
8/7/2025 1:37 PM	10:00	6.117 pH	20.10 °C	879.0 µS/cm	0.886 mg/L	0.320 NTU	105.3 mV	43.69 ft	200.0 ml/min
8/7/2025 1:42 PM	15:00	6.115 pH	20.28 °C	882.0 µS/cm	0.692 mg/L	0.060 NTU	103.6 mV	43.69 ft	200.0 ml/min
8/7/2025 1:47 PM	20:00	6.121 pH	19.88 °C	895.8 µS/cm	0.616 mg/L	0.030 NTU	121.2 mV	43.69 ft	200.0 ml/min
8/7/2025 1:52 PM	25:00	6.116 pH	19.59 °C	896.5 µS/cm	0.616 mg/L	0.240 NTU	120.6 mV	43.69 ft	200.0 ml/min
8/7/2025 1:57 PM	30:00	6.135 pH	19.63 °C	905.5 µS/cm	0.564 mg/L	0.060 NTU	117.8 mV	43.69 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-125	Grab.

Low-Flow Test Report:

Test Date / Time: 8/7/2025 3:03:21 PM
Project: GP-Plant Hammond
Operator Name: T. Kessler

Location Name: HGWC-126 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 58.52 ft** **Total Depth: 68.52 ft** **Initial Depth to Water: 40.84 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 63.52 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.89 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Clear, 80 degrees 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 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
8/7/2025 3:03 PM	00:00	6.954 pH	22.85 °C	829.8 µS/cm	1.408 mg/L	10.50 NTU	-34.9 mV	40.65 ft	200.0 ml/min
8/7/2025 3:08 PM	05:00	6.937 pH	21.41 °C	847.4 µS/cm	1.059 mg/L	7.660 NTU	-22.9 mV	42.05 ft	200.0 ml/min
8/7/2025 3:13 PM	10:00	6.928 pH	20.65 °C	853.8 µS/cm	0.530 mg/L	6.050 NTU	-40.5 mV	42.24 ft	200.0 ml/min
8/7/2025 3:18 PM	15:00	6.926 pH	20.40 °C	853.8 µS/cm	0.402 mg/L	5.440 NTU	-17.7 mV	42.38 ft	200.0 ml/min
8/7/2025 3:23 PM	20:00	6.925 pH	19.90 °C	862.2 µS/cm	0.411 mg/L	5.040 NTU	-40.1 mV	42.55 ft	200.0 ml/min
8/7/2025 3:28 PM	25:00	6.918 pH	20.48 °C	854.7 µS/cm	0.432 mg/L	4.980 NTU	-18.4 mV	42.65 ft	200.0 ml/min
8/7/2025 3:33 PM	30:00	6.918 pH	20.27 °C	854.2 µS/cm	0.502 mg/L	4.110 NTU	-17.2 mV	42.73 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-125	Grab.

CALIBRATION REPORTS

Field Instrumentation Calibration Form

Site Name: Plant Hammond

Date: 8/5/2025

Calibrated By: T. Kressler

Field Conditions: Cloudy 69°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	ins.tru	643593
Turbidity Meter	Lamotte	[illegible]

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	1126	ins.tru
pH (SU)	4.00	↓	↓	
pH (SU)	7.00	24014266	1126	ins.tru
pH (SU)	10.00	24011537	1126	ins.tru
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490167	1126	ins.tru

Calibration					
Time Start 0730		Time Finish 0800			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	21.91	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	21.94	± 0.1	GWMP
pH (SU)	7.00	7.00	22.00	± 0.1	GWMP
pH (SU)	10.00	10.00	22.00	± 0.1	GWMP
D.O. (%)	N/A	100	21.91	± 10%	NA
ORP (mV)	228.0	225	21.98	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.00	± 10% of standard	EPA 2023
	1	0.98		
	10	10.0		
	—	—		

Calibration Check					
Time Start 1247		Time Finish 1252			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	22.36	± 10% of standard	EPA 2023
pH (SU)	4.00	4.005	22.36	± 0.1	GWMP
pH (SU)	7.00	7.02	22.22	± 0.1	GWMP
pH (SU)	10.00	10.04	22.13	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1.00		
	10	10.2		
	—	—		

Notes:

8-5-25

Site Name: Plant Hammond

Calibrated By: Z. Webb

Field Instrumentation Calibration Form

Date: 8-5-25

Field Conditions: Cloudy, 70°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	987630
Turbidity Meter	LaMotte 2020e	4104-2623

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01/2026	AIR
pH (SU)	4.00	24014218	01/2026	AIR
pH (SU)	7.00	24014266	01/2026	AIR
pH (SU)	10.00	24011537	01/2026	AIR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	01/2026	AIR

Calibration					
Time Start 0730		Time Finish 0756			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	22.55	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	22.68	± 0.1	GWMP
pH (SU)	7.00	7.00	22.77	± 0.1	GWMP
pH (SU)	10.00	10.00	22.78	± 0.1	GWMP
D.O. (%)	N/A	100%	22.98	± 10%	NA
ORP (mV)	228.0	228.0	22.80	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Calibration Check					
Time Start 1250		Time Finish 1305			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	24.17	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.15	± 0.1	GWMP
pH (SU)	7.00	7.00	24.06	± 0.1	GWMP
pH (SU)	10.00	10.00	23.89	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Notes:

ZW 8-5-25

Site Name: GP Plant Hammond **Field Instrumentation Calibration Form** Date: 8/5/25

Calibrated By: J. Newsome Field Conditions: Overcast, 68°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll	96 5586
Turbidity Meter	LaMotte	1511-4111

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014 218	1/2026	YSI
pH (SU)	4.00	"	"	"
pH (SU)	7.00	24014266	"	"
pH (SU)	10.00	24011537	"	"
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	1/2024	YSI

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4892	21.86	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	21.86	± 0.1	GWMP
pH (SU)	7.00	7.00	21.21	± 0.1	GWMP
pH (SU)	10.00	10.00	21.66	± 0.1	GWMP
D.O. (%)	N/A	101.9%	21.30	± 10%	NA
ORP (mV)	228.0	228.0	21.77	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	9.98		

Calibration Check					
Time Start	1415	Time Finish	1420		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	21.71	± 10% of standard	EPA 2023
pH (SU)	4.00	4.07	21.71	± 0.1	GWMP
pH (SU)	7.00	7.01	20.97	± 0.1	GWMP
pH (SU)	10.00	10.00	22.82	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		

Notes:

JN 8-5-25

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Calibrated By: A. Kressler

Date: 8/7/2025

Field Conditions: Cloudy, 72

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Insitu Aquatroll 600	843593
Turbidity Meter	Cornerstone	4139-2523

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	240147218	1/26	Insitu
pH (SU)	4.00	240141266	1/26	↓
pH (SU)	7.00	↓	↓	↓
pH (SU)	10.00	240115371	1/26	↓
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490662	1/26	Insitu

Calibration

Time Start 0725 Time Finish 0750

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	24.61	± 10% of standard	EPA 2023
pH (SU)	4.00	4.0	24.66	± 0.1	GWMP
pH (SU)	7.00	7.0	25.42	± 0.1	GWMP
pH (SU)	10.00	10	25.78	± 0.1	GWMP
D.O. (%)	N/A	100		± 10%	NA
ORP (mV)	228.0	228	26.02	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	0.99		
	10	10.8		
	—	—		

Calibration Check

Time Start 1135 Time Finish 1200 1145

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4.0975	26.55	± 10% of standard	EPA 2023
pH (SU)	4.00	4367	↓	± 0.1	GWMP
pH (SU)	7.00	6.96	26.16	± 0.1	GWMP
pH (SU)	10.00	9.92	26.02	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1.0		
	10	9.95		
	—	—		

Notes:

8-7-25

Site Name: Plant Hammond

Calibrated By: Z. Webb

Field Instrumentation Calibration Form

Date: 8-7-25

Field Conditions: Clear, 70°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	989630
Turbidity Meter	LaMotte 2020e	4104-2623

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01/2026	AIR
pH (SU)	4.00	24014218	01/2026	AIR
pH (SU)	7.00	24014266	01/2026	AIR
pH (SU)	10.00	24011537	01/2026	AIR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	01/2026	AIR

Calibration					
Time Start 0730		Time Finish 0755			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	26.13	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	26.00	± 0.1	GWMP
pH (SU)	7.00	7.00	26.23	± 0.1	GWMP
pH (SU)	10.00	10.00	26.44	± 0.1	GWMP
D.O. (%)	N/A	100%	24.52	± 10%	NA
ORP (mV)	228.0	228.0	26.28	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Calibration Check					
Time Start 1239		Time Finish 1254			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	27.12	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	26.90	± 0.1	GWMP
pH (SU)	7.00	7.00	26.27	± 0.1	GWMP
pH (SU)	10.00	10.00	25.97	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Notes:

ZW 8-7-25

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Calibrated By: J. Newsome

Date: 8/7/25

Field Conditions: Cloudy, 70°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquavoll	96558
Turbidity Meter	LaMotte	1411-5111

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	240 1421 8	1/2026	AVR
pH (SU)	4.00	~~240 1426~~		
pH (SU)	7.00	240 1426	1/2026	
pH (SU)	10.00	24011537	1/2024	
D.O. (%)	N/A			
ORP (mV)	228.0	22490162	1/2026	AVR

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	25.82	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	25.28	± 0.1	GWMP
pH (SU)	7.00	7.00	25.56	± 0.1	GWMP
pH (SU)	10.00	10.00	25.59	± 0.1	GWMP
D.O. (%)	N/A			± 10%	NA
ORP (mV)	228.0	228.5	25.41	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0	0	± 10% of standard	EPA 2023
	1			
	10	10		

Calibration Check					
Time Start	10	Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	25.71	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	25.71	± 0.1	GWMP
pH (SU)	7.00	7.04	27.89	± 0.1	GWMP
pH (SU)	10.00	10.00	24.71	± 0.1	GWMP
			25.18		

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		

Notes:

8/7/25

Site Name: GP-Hammond

Calibrated By: A. Tomlinson

Field Instrumentation Calibration Form

Date: 8/10/2025

Field Conditions: 70s, cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll	443593
Turbidity Meter	LaMotte	4139-4223

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014718	01/2026	ATR
pH (SU)	4.00	24014718	01/2026	ATR
pH (SU)	7.00	24014764	01/2026	ATR
pH (SU)	10.00	24011537	01/2026	ATR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	2249 0162	01/2026	ATR

Calibration					
Time Start 0720		Time Finish 0735			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	22.39	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	22.42	± 0.1	GWMP
pH (SU)	7.00	7.00	22.39	± 0.1	GWMP
pH (SU)	10.00	10.00	22.27	± 0.1	GWMP
D.O. (%)	N/A	100.1	21.20	± 10%	NA
ORP (mV)	228.0	228.0	22.70	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.00	± 10% of standard	EPA 2023
	1	1.00		
	10	10.0		
	—	—		

Calibration Check					
Time Start 1500		Time Finish 1508			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4386	23.62	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	23.64	± 0.1	GWMP
pH (SU)	7.00	6.99	22.97	± 0.1	GWMP
pH (SU)	10.00	9.97	23.36	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.00	± 10% of standard	EPA 2023
	1	1.00		
	10	10.0		
	—	—		

Notes:

ATR

8/10/2025

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 8-10-25

Calibrated By: Z. Webb

Field Conditions: Clear, 70°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	989630
Turbidity Meter	LaMotte 2020e	4104-2623

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01/2026	AIR
pH (SU)	4.00	24014218	01/2026	AIR
pH (SU)	7.00	24014266	01/2026	AIR
pH (SU)	10.00	24011537	01/2026	AIR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	01/2026	AIR

Calibration					
Time Start 0720		Time Finish 0753			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	23.36	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.90	± 0.1	GWMP
pH (SU)	7.00	7.00	24.33	± 0.1	GWMP
pH (SU)	10.00	10.00	24.36	± 0.1	GWMP
D.O. (%)	N/A	100%	25.63	± 10%	NA
ORP (mV)	228.0	228.0	24.63	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Calibration Check					
Time Start 1107		Time Finish 1134			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	22.88	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	22.98	± 0.1	GWMP
pH (SU)	7.00	7.00	23.34	± 0.1	GWMP
pH (SU)	10.00	10.00	23.60	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Notes:

Re-cal DO probe during mid-day

ZW

8-10-25

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 8/10/25

Calibrated By: J. Newsome

Field Conditions: Cloudy, 70 F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll	965586
Turbidity Meter	Lamotte	4111 - 151

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	1/7026	AIR
pH (SU)	4.00	"	"	
pH (SU)	7.00	24014216	1/2026	
pH (SU)	10.00		1/7026	
D.O. (%)	N/A			
ORP (mV)	228.0	27490162	1/2026	AIR

Calibration					
Time Start	730	Time Finish	752		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	23.68	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.97	± 0.1	GWMP
pH (SU)	7.00	7.06	24.86	± 0.1	GWMP
pH (SU)	10.00	10.00	24.96	± 0.1	GWMP
D.O. (%)	N/A	1000	23.78	± 10%	NA
ORP (mV)	228.0	228	25.08	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		

Calibration Check					
Time Start	1330	Time Finish	1335		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4491	28.94	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	28.94	± 0.1	GWMP
pH (SU)	7.00	7.00	29.04	± 0.1	GWMP
pH (SU)	10.00	10.01	29.13	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		

Notes:

MM 8/10/25

APPENDIX C

Statistical Analysis Report

GROUNDWATER STATS CONSULTING

February 27, 2026

Southern Company Services
Attn: Ms. Kristen Jurinko
241 Ralph McGill Blvd. NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Hammond Ash Pond 3 (AP-3)
August 2025 Statistical Analysis

Dear Ms. Jurinko,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the August 2025 Semi-Annual Groundwater Detection and Assessment Monitoring Statistical analysis of groundwater data for Georgia Power Company's Plant Hammond AP-3. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began for the Coal Combustion Residuals (CCR) program in 2016, and at least 8 background samples have been collected at each of the groundwater monitoring wells, except for those discussed below. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** HGWA-1, HGWA-2, HGWA-3, HGWA-43D, HGWA-44D, HGWA-45D, and HGWA-122
- **Downgradient wells:** HGWC-120, HGWC-121A, HGWC-124, HGWC-125, and HGWC-126

Upgradient wells HGWA-43D, HGWA-44D, and HGWA-45D were first sampled in September 2020 and all available data are included in construction of interwell prediction limits. As requested by Southern Company Services, upgradient wells with 2 or more

samples are incorporated into the statistical analyses. Sampling began at downgradient wells HGWC-125 and HGWC-126 in May 2020 and also have at least 8 rounds of background sampling; therefore, these wells are statistically analyzed in this report with prediction limits and confidence intervals.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting.

The CCR program consists of the following constituents listed below. The terms "constituent" and "parameter" are interchangeable.

- **Appendix III** (Detection Monitoring) **-** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Appendix IV** (Assessment Monitoring) **–** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

When no detections are present in downgradient wells for a given constituent, statistical analyses are not required. A summary of downgradient Appendix IV well/constituent pairs containing 100% non-detects follows this letter. These well/constituent pairs were included in the time series and box plots, but no formal statistics were required.

For all constituents, a substitution of the most recent reporting limit is used for non-detect data. In the case of lithium, historical reporting limits vary among the wells. Therefore, the reporting limit of 0.002 mg/L, which is the most recent reporting limit provided by the laboratory, was substituted across all wells.

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Data at all wells were evaluated during the background screening described below for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are

recommended. Power curves were provided with the screening and demonstrated that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations.

Statistical Methods – Appendix III Parameters

Appendix III parameters are evaluated using interwell prediction limits combined with a 1-of-2 resample plan for all constituents: boron, calcium, chloride, fluoride, pH, sulfate, and TDS.

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric limits. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Note that values shown on data pages reflect raw data and any non-detects that have been substituted with one-half of the reporting limit (for data sets containing <15% non-detects as described above) are shown as the original reporting limit.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after screening for any new outliers. In some cases, an earlier portion of data may require deselection prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs. When this step is required, a summary of any adjusted records will be provided.

Summary of Background Screening Conducted in March 2019

Outlier Analysis

Time series plots were used to identify suspected outliers or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells for Appendix III and Appendix IV parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. Those findings were submitted with the screening report.

While this was not the case during the background screening, when the most recent value is identified as an outlier, values are not flagged in the database as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values existed in the data sets and appeared on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values were observed trace values (i.e., measurements reported between the Method Detection Limit and the Practical Quantitation Limit) by the laboratory and, therefore, were not flagged as outliers.

Of the outliers identified by Tukey's method, only one outlier was flagged for TDS in upgradient well HGWA-112. All other values are similar to remaining measurements within a given well or neighboring wells or were reported non-detects. The outlier summary follows this report.

Additionally, when any values are flagged in the database as outliers, the measurements are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Test Evaluation

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at each well to identify statistically significant increasing or decreasing trends. In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

The results of the trend analyses showed a statistically significant decreasing trend among the Appendix III parameters. Because the noted trend was relatively low in magnitude when compared to average concentrations and the background time period was short, no adjustment was made to the dataset.

Appendix III – Determination of Spatial Variation

The Analysis of Variance (ANOVA) is typically used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach. However, interwell methods are currently implemented in accordance with the Georgia EPD regulations and are used to evaluate compliance samples in downgradient wells.

Statistical Evaluation of Appendix III Parameters – August 2025

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were reassessed for potential outliers during this analysis. Values in background which have been flagged as outliers may be seen in a lighter font and as a

disconnected symbol on the graphs. No additional values were flagged and a summary of previously flagged outliers follows this report (Figure C).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed for each Appendix III parameter using all historical upgradient well data through August 2025 (Figure D). Interwell prediction limits use all available upgradient well data to establish a background limit for an individual constituent. The August 2025 sample from each downgradient well is compared to the background limit to determine whether initial exceedances are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result and, therefore, no further action is necessary. If no resample is collected, the initial exceedance is automatically confirmed. A summary table of the interwell prediction limits follows this letter. Exceedances were identified for the following well/constituent pairs:

- Boron: HGWC-120, HGWC-121A, and HGWC-125
- Calcium: HGWC-120 and HGWC-125
- Sulfate: HGWC-120 and HGWC-125
- TDS: HGWC-120 and HGWC-125

Trend Test Evaluation – Appendix III

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 99% confidence level (Figure E). Upgradient well data are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. When trends are present in upgradient wells it is an indication of variability in groundwater quality unrelated to practices at the site. A summary of the trend test results follows this letter. Statistically significant trends were noted for the following well/constituent pairs:

Increasing trends:

- Boron: HGWA-2 and HGWA-44D (both upgradient)
- Calcium: HGWA-2 and HGWA-3 (both upgradient)
- Sulfate: HGWA-2 (upgradient)

Decreasing trends:

- Boron: HGWA-43D, HGWA-122 (both upgradient), and HGWC-121A
- Calcium: HGWA-44D (upgradient)
- Sulfate: HGWA-43D, HGWA-122 (both upgradient), HGWC-120, and HGWC-125
- TDS: HGWC-120

Statistical Methods – Appendix IV Parameters

Appendix IV parameters are evaluated by statistically comparing the mean or median of each downgradient well/constituent pair against corresponding Groundwater Protection Standards (GWPS). The GWPS may be either regulatory (Maximum Containment Levels (MCL) or CCR rule-specified limits) or site-specific limits that are based on upgradient background groundwater quality. Site-specific background limits are determined using tolerance limits, and the comparison of downgradient means or medians to GWPS is performed using confidence intervals. The methods are described below.

Statistical Evaluation of Appendix IV Parameters – August 2025

For Appendix IV parameters, confidence intervals for each downgradient well/constituent pair were compared against corresponding GWPS, and GWPS were developed as described below. Well/constituent pairs containing 100% non-detects do not require analyses.

Data from all wells for Appendix IV parameters are reassessed for outliers during each analysis. More recent concentrations have continued to increase for lithium at upgradient well HGWA-44D; therefore, the record was truncated to use observations between September 2020 and January 2023 in order to maintain conservative limits from a regulatory perspective. If further studies indicate the flagged measurements represent variation in groundwater quality, the values will be re-evaluated for construction of interwell upper tolerance limits. A list of any well/constituent pairs using a truncated portion of their record follows this letter. No additional values were flagged as outliers during this analysis.

Interwell Upper Tolerance Limits

Site specific background limits were calculated as upper one-sided tolerance limits (UTLs) on pooled upgradient interwell data through August 2025 for each of the Appendix IV constituents (Figure F). Parametric tolerance limits are calculated, with a target of 95% confidence and 95% coverage, when data follow a normal or transformed-normal distribution, such as the case for combined radium 226 + 228. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were used.

Groundwater Protection Standards

The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a). On July 30, 2018, US EPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Effective on February 22, 2022, Georgia EPD incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). In accordance with the updated Rules, the GWPS is:

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

Following Georgia EPD Rule requirements and the Federal CCR requirements, GWPS were established for statistical comparison of Appendix IV constituents for this sample event (Figure G).

Confidence Intervals

To complete the statistical comparison of downgradient well data to GWPS, confidence intervals were constructed for the Appendix IV constituents in each downgradient well with detections (Figure H). Note that a GWPS is established for each Appendix IV constituent. However, since there are 100% non-detects for beryllium, cadmium, and thallium in downgradient wells, no confidence intervals were required for these constituents.

The Sanitas software was used to calculate the confidence intervals. These intervals were constructed as either parametric or nonparametric confidence intervals depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. Nonparametric confidence intervals, which use the appropriate order statistics as interval limits depending on the sample size, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The achievable confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

Only when the entire confidence interval is above a GWPS is the downgradient well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. A summary of the confidence intervals follows this letter and no exceedances were identified.

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test at the 95% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable. Although the trend tests for Assessment monitoring pairs were previously evaluated using 99% confidence, the 95% confidence level more rapidly identifies statistically significant trends. Additionally, the 95% confidence level is recommended in cases with limited sample sizes and, particularly, for new assessment wells. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site for the same constituents. When trends are present in upgradient wells, it is an indication of variability in groundwater quality unrelated to practices at the site. Since no confidence interval exceedances were identified, no trend tests were required.

Summary

Observations from the August 2025 sample event at Hammond AP-3 were compared to established interwell prediction limits for all Appendix III constituents. Exceedances were identified for the following well/constituent pairs:

- Boron: HGWC-120, HGWC-121A, and HGWC-125
- Calcium: HGWC-120 and HGWC-125

- Sulfate: HGWC-120 and HGWC-125
- TDS: HGWC-120 and HGWC-125

When confidence intervals were constructed on downgradient wells for Appendix IV constituents and compared to respective GWPS, no exceedances were identified.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Hammond AP-3. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

Abdul Diane
Groundwater Analyst

Andrew T. Collins
Project Manager

Table of Contents

Summary Tables

Date Ranges

Date: 10/16/2025 9:45 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Lithium (mg/L)

HGWA-44D overall:9/16/2020-1/24/2023

100% Non-Detects: Appendix IV Downgradient

Analysis Run 10/16/2025 9:45 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP3

Beryllium (mg/L)
HGWC-120, HGWC-121A, HGWC-124, HGWC-125, HGWC-126

Cadmium (mg/L)
HGWC-120, HGWC-121A, HGWC-124, HGWC-125, HGWC-126

Cobalt (mg/L)
HGWC-124, HGWC-126

Mercury (mg/L)
HGWC-121A, HGWC-125, HGWC-126

Molybdenum (mg/L)
HGWC-121A, HGWC-126

Selenium (mg/L)
HGWC-125

Thallium (mg/L)
HGWC-120, HGWC-121A, HGWC-124, HGWC-125, HGWC-126

Appendix III Interwell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP3 Printed 10/15/2025, 12:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**HGWC-120**	**0.55**	**n/a**	**8/7/2025**	**1.1**	**Yes**	**142**	**n/a**	**n/a**	**4.225**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-121A**	**0.55**	**n/a**	**8/7/2025**	**1.4**	**Yes**	**142**	**n/a**	**n/a**	**4.225**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-125**	**0.55**	**n/a**	**8/7/2025**	**1.5**	**Yes**	**142**	**n/a**	**n/a**	**4.225**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-120**	**138**	**n/a**	**8/7/2025**	**152**	**Yes**	**142**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-125**	**138**	**n/a**	**8/7/2025**	**156**	**Yes**	**142**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-120**	**94.5**	**n/a**	**8/7/2025**	**149**	**Yes**	**142**	**n/a**	**n/a**	**0.7042**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-125**	**94.5**	**n/a**	**8/7/2025**	**227**	**Yes**	**142**	**n/a**	**n/a**	**0.7042**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-120**	**632**	**n/a**	**8/7/2025**	**637**	**Yes**	**141**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009852**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-125**	**632**	**n/a**	**8/7/2025**	**706**	**Yes**	**141**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009852**	**NP Inter (normality) 1 of 2**

Appendix III Interwell Prediction Limits - All Results

Plant Hammond Client: Southern Company Data: Hammond AP3 Printed 10/15/2025, 12:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**HGWC-120**	**0.55**	**n/a**	**8/7/2025**	**1.1**	**Yes**	**142**	**n/a**	**n/a**	**4.225**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-121A**	**0.55**	**n/a**	**8/7/2025**	**1.4**	**Yes**	**142**	**n/a**	**n/a**	**4.225**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	HGWC-124	0.55	n/a	8/10/2025	0.44	No	142	n/a	n/a	4.225	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Boron (mg/L)	**HGWC-125**	**0.55**	**n/a**	**8/7/2025**	**1.5**	**Yes**	**142**	**n/a**	**n/a**	**4.225**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	HGWC-126	0.55	n/a	8/7/2025	0.014J	No	142	n/a	n/a	4.225	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Calcium (mg/L)	**HGWC-120**	**138**	**n/a**	**8/7/2025**	**152**	**Yes**	**142**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	HGWC-121A	138	n/a	8/7/2025	136	No	142	n/a	n/a	0	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-124	138	n/a	8/10/2025	101	No	142	n/a	n/a	0	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Calcium (mg/L)	**HGWC-125**	**138**	**n/a**	**8/7/2025**	**156**	**Yes**	**142**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	HGWC-126	138	n/a	8/7/2025	126	No	142	n/a	n/a	0	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-120	44.8	n/a	8/7/2025	2.5	No	142	n/a	n/a	0	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-121A	44.8	n/a	8/7/2025	9.3	No	142	n/a	n/a	0	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-124	44.8	n/a	8/10/2025	2.4	No	142	n/a	n/a	0	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-125	44.8	n/a	8/7/2025	8.5	No	142	n/a	n/a	0	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-126	44.8	n/a	8/7/2025	8.8	No	142	n/a	n/a	0	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-120	1.5	n/a	8/7/2025	0.44	No	161	n/a	n/a	19.88	n/a	n/a	0.00007576	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-121A	1.5	n/a	8/7/2025	0.23	No	161	n/a	n/a	19.88	n/a	n/a	0.00007576	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-124	1.5	n/a	8/10/2025	0.066J	No	161	n/a	n/a	19.88	n/a	n/a	0.00007576	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-125	1.5	n/a	8/7/2025	0.19	No	161	n/a	n/a	19.88	n/a	n/a	0.00007576	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-126	1.5	n/a	8/7/2025	0.62	No	161	n/a	n/a	19.88	n/a	n/a	0.00007576	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-120	8.49	4.57	8/7/2025	6.9	No	166	n/a	n/a	0	n/a	n/a	0.0001436	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-121A	8.49	4.57	8/7/2025	6.8	No	166	n/a	n/a	0	n/a	n/a	0.0001436	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-124	8.49	4.57	8/10/2025	7.14	No	166	n/a	n/a	0	n/a	n/a	0.0001436	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-125	8.49	4.57	8/7/2025	6.13	No	166	n/a	n/a	0	n/a	n/a	0.0001436	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-126	8.49	4.57	8/7/2025	6.92	No	166	n/a	n/a	0	n/a	n/a	0.0001436	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**HGWC-120**	**94.5**	**n/a**	**8/7/2025**	**149**	**Yes**	**142**	**n/a**	**n/a**	**0.7042**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	HGWC-121A	94.5	n/a	8/7/2025	91.3	No	142	n/a	n/a	0.7042	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-124	94.5	n/a	8/10/2025	61.6	No	142	n/a	n/a	0.7042	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**HGWC-125**	**94.5**	**n/a**	**8/7/2025**	**227**	**Yes**	**142**	**n/a**	**n/a**	**0.7042**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	HGWC-126	94.5	n/a	8/7/2025	68.9	No	142	n/a	n/a	0.7042	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
TDS (mg/L)	**HGWC-120**	**632**	**n/a**	**8/7/2025**	**637**	**Yes**	**141**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009852**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	HGWC-121A	632	n/a	8/7/2025	573	No	141	n/a	n/a	0	n/a	n/a	0.00009852	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-124	632	n/a	8/10/2025	333	No	141	n/a	n/a	0	n/a	n/a	0.00009852	NP Inter (normality) 1 of 2
TDS (mg/L)	**HGWC-125**	**632**	**n/a**	**8/7/2025**	**706**	**Yes**	**141**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009852**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	HGWC-126	632	n/a	8/7/2025	539	No	141	n/a	n/a	0	n/a	n/a	0.00009852	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP3 Printed 10/15/2025, 12:11 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**HGWA-2 (bg)**	**0.002437**	**196**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-43D (bg)**	**-0.004011**	**-55**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-44D (bg)**	**0.05214**	**61**	**48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-122 (bg)**	**-0.01842**	**-171**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-121A**	**-0.2349**	**-198**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-2 (bg)**	**1.502**	**148**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-3 (bg)**	**1.61**	**138**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-44D (bg)**	**-5.893**	**-71**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWA-2 (bg)**	**4.265**	**212**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWA-43D (bg)**	**-3.534**	**-79**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWA-122 (bg)**	**-1.769**	**-169**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWC-120**	**-14.54**	**-204**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWC-125**	**-20.4**	**-85**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-120**	**-9.929**	**-108**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Hammond Client: Southern Company Data: Hammond AP3 Printed 10/15/2025, 12:11 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	HGWA-1 (bg)	0	-6	-118	No	26	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWA-2 (bg)**	**0.002437**	**196**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWA-3 (bg)	0.0003332	61	118	No	26	23.08	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWA-43D (bg)**	**-0.004011**	**-55**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-44D (bg)**	**0.05214**	**61**	**48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWA-45D (bg)	-0.002056	-14	-48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWA-122 (bg)**	**-0.01842**	**-171**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWC-120	-0.02366	-90	-105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWC-121A**	**-0.2349**	**-198**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWC-125	0	16	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-1 (bg)	1.77	101	118	No	26	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**HGWA-2 (bg)**	**1.502**	**148**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-3 (bg)**	**1.61**	**138**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWA-43D (bg)	-1.279	-31	-48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**HGWA-44D (bg)**	**-5.893**	**-71**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWA-45D (bg)	-1.403	-43	-48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-122 (bg)	-1.658	-89	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-120	0	-7	-105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-125	-1.577	-13	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-1 (bg)	0.3568	22	118	No	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWA-2 (bg)**	**4.265**	**212**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWA-3 (bg)	-1.043	-79	-118	No	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWA-43D (bg)**	**-3.534**	**-79**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWA-44D (bg)	-1.694	-33	-48	No	14	7.143	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-45D (bg)	-1.522	-37	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWA-122 (bg)**	**-1.769**	**-169**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWC-120**	**-14.54**	**-204**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWC-125**	**-20.4**	**-85**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	HGWA-1 (bg)	4.696	67	118	No	26	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-2 (bg)	6.642	107	111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-3 (bg)	0.2987	18	118	No	26	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-43D (bg)	0.2267	1	48	No	14	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-44D (bg)	20.52	46	48	No	14	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-45D (bg)	0	-2	-48	No	14	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-122 (bg)	-7.089	-92	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	**HGWC-120**	**-9.929**	**-108**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	HGWC-125	-13.02	-38	-63	No	17	0	n/a	n/a	0.01	NP

Upper Tolerance Limits Summary Table

Plant Hammond Client: Southern Company Data: Hammond AP3 Printed 10/16/2025, 10:16 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	146	86.3	n/a	0.0005593	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.0036	n/a	n/a	n/a	n/a	149	75.84	n/a	0.0004795	NP Inter(NDs)
Barium (mg/L)	n/a	0.64	n/a	n/a	n/a	n/a	154	0	n/a	0.0003711	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0004	n/a	n/a	n/a	n/a	146	83.56	n/a	0.0005593	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	149	87.92	n/a	0.0004795	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0079	n/a	n/a	n/a	n/a	148	83.11	n/a	0.0005048	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.038	n/a	n/a	n/a	n/a	154	78.57	n/a	0.0003711	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.656	n/a	n/a	n/a	n/a	154	0	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	1.5	n/a	n/a	n/a	n/a	161	19.88	n/a	0.0002591	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	148	72.97	n/a	0.0005048	NP Inter(NDs)
Lithium (mg/L)	n/a	0.064	n/a	n/a	n/a	n/a	149	28.19	n/a	0.0004795	NP Inter(normality)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	n/a	126	96.03	n/a	0.00156	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.01	n/a	n/a	n/a	n/a	156	66.03	n/a	0.0003349	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	149	93.29	n/a	0.0004795	NP Inter(NDs)
Thallium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	149	99.33	n/a	0.0004795	NP Inter(NDs)

PLANT HAMMOND AP-3 GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.002	0.006
Arsenic, Total (mg/L)	0.01		0.0036	0.01
Barium, Total (mg/L)	2		0.64	2
Beryllium, Total (mg/L)	0.004		0.0004	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.0079	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.038	0.038
Combined Radium, Total (pCi/L)	5		1.66	5
Fluoride, Total (mg/L)	4		1.5	4
Lead, Total (mg/L)	n/a	0.015	0.001	0.015
Lithium, Total (mg/L)	n/a	0.040	0.064	0.064
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.01	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.0005	0.002

**Gray cell indicates background is higher than MCL or CCR-Rule*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Statard*

Appendix IV Confidence Intervals - All Results (No Significant)

Plant Hammond Client: Southern Company Data: Hammond AP3 Printed 10/16/2025, 10:22 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	HGWC-120	0.002	0.0018	0.006	No	21	0.00004364	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-121A	0.002	0.0018	0.006	No	21	0.00009562	90.48	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-124	0.002	0.002	0.006	No	21	0.00004364	90.48	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-125	0.002	0.00061	0.006	No	17	0.0004855	88.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-126	0.002	0.00043	0.006	No	17	0.0005264	88.24	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-120	0.002	0.0014	0.01	No	19	0.0004453	68.42	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-121A	0.002	0.0014	0.01	No	19	0.0002853	84.21	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-124	0.002	0.0006	0.01	No	19	0.0003212	94.74	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-125	0.0032	0.0014	0.01	No	16	0.0005321	75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-126	0.0026	0.00091	0.01	No	16	0.0004483	81.25	None	No	0.01	NP (NDs)
Barium (mg/L)	HGWC-120	0.05088	0.04694	2	No	23	0.003767	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-121A	0.07418	0.05795	2	No	23	0.01552	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-124	0.07095	0.06499	2	No	23	0.005703	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-125	0.04406	0.03865	2	No	17	0.004315	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-126	0.25	0.23	2	No	17	0.0151	0	None	No	0.01	NP (normality)
Chromium (mg/L)	HGWC-120	0.005	0.0015	0.1	No	23	0.0014	86.96	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-121A	0.005	0.0005	0.1	No	23	0.0009383	95.65	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-124	0.005	0.00051	0.1	No	23	0.001301	91.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-125	0.005	0.00081	0.1	No	17	0.001715	82.35	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-126	0.005	0.0014	0.1	No	17	0.001271	88.24	None	No	0.01	NP (NDs)
Cobalt (mg/L)	HGWC-120	0.004942	0.003484	0.038	No	23	0.001394	0	None	No	0.01	Param.
Cobalt (mg/L)	HGWC-121A	0.005	0.0005	0.038	No	23	0.001596	86.96	None	No	0.01	NP (NDs)
Cobalt (mg/L)	HGWC-125	0.01172	0.007511	0.038	No	17	0.003362	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-120	0.9788	0.66	5	No	23	0.3048	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-121A	1.063	0.5691	5	No	23	0.4717	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-124	0.7936	0.5135	5	No	23	0.2678	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-125	1.235	0.7183	5	No	17	0.412	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-126	1.617	1.098	5	No	17	0.4141	0	None	No	0.01	Param.
Fluoride (mg/L)	HGWC-120	0.6	0.36	4	No	26	0.3377	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	HGWC-121A	0.19	0.15	4	No	24	0.2262	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	HGWC-124	0.11	0.078	4	No	24	0.06166	45.83	None	No	0.01	NP (normality)
Fluoride (mg/L)	HGWC-125	0.1728	0.1307	4	No	17	0.03358	0	None	No	0.01	Param.
Fluoride (mg/L)	HGWC-126	0.5176	0.4563	4	No	17	0.05019	0	None	sqrt(x)	0.01	Param.
Lead (mg/L)	HGWC-120	0.001	0.0002	0.015	No	23	0.0003025	86.96	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-121A	0.001	0.00036	0.015	No	23	0.0002814	86.96	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-124	0.001	0.000094	0.015	No	23	0.0003926	78.26	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-125	0.001	0.00013	0.015	No	17	0.0004277	70.59	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-126	0.001	0.000046	0.015	No	17	0.0003755	82.35	None	No	0.01	NP (NDs)
Lithium (mg/L)	HGWC-120	0.02983	0.02391	0.064	No	23	0.005661	0	None	No	0.01	Param.
Lithium (mg/L)	HGWC-121A	0.008461	0.006965	0.064	No	23	0.00143	0	None	No	0.01	Param.
Lithium (mg/L)	HGWC-124	0.002	0.00104	0.064	No	23	0.0004281	30.43	None	No	0.01	NP (normality)
Lithium (mg/L)	HGWC-125	0.0057	0.0037	0.064	No	17	0.001586	0	None	No	0.01	NP (normality)
Lithium (mg/L)	HGWC-126	0.004269	0.003549	0.064	No	17	0.0005745	0	None	No	0.01	Param.
Mercury (mg/L)	HGWC-120	0.0002	0.00007	0.002	No	19	0.00004599	89.47	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-124	0.0002	0.000051	0.002	No	19	0.00003418	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	HGWC-120	0.03624	0.02835	0.1	No	23	0.007538	0	None	No	0.01	Param.
Molybdenum (mg/L)	HGWC-124	0.01	0.00092	0.1	No	23	0.004539	43.48	None	No	0.01	NP (normality)
Molybdenum (mg/L)	HGWC-125	0.01037	0.002161	0.1	No	17	0.008748	17.65	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	HGWC-120	0.005	0.002	0.05	No	19	0.0006882	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-121A	0.005	0.0011	0.05	No	19	0.0008947	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-124	0.005	0.0014	0.05	No	19	0.0008259	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-126	0.005	0.0013	0.05	No	16	0.000925	93.75	None	No	0.01	NP (NDs)

FIGURE A.

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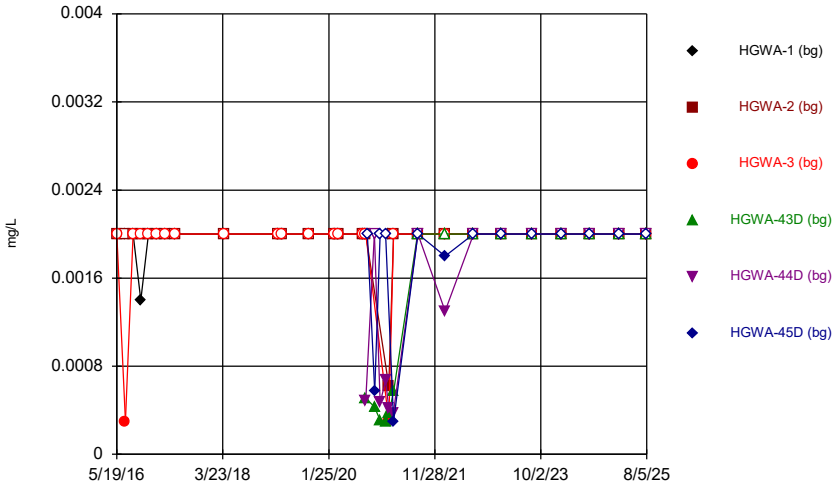
Hollow symbols indicate censored values.

Time Series



Constituent: Antimony Analysis Run 10/16/2025 9:58 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

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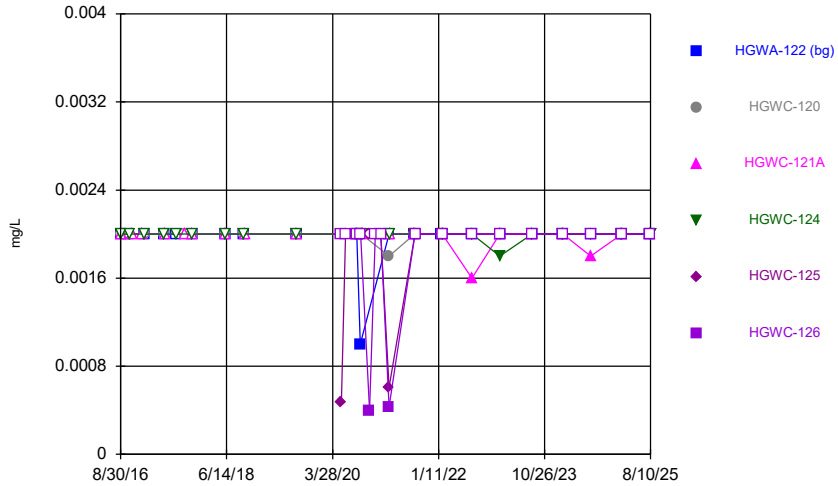

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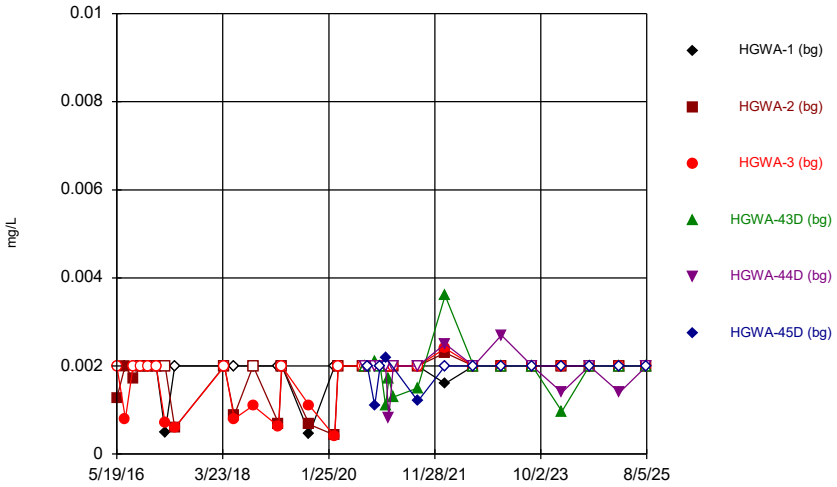

Constituent: Arsenic Analysis Run 10/16/2025 9:58 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

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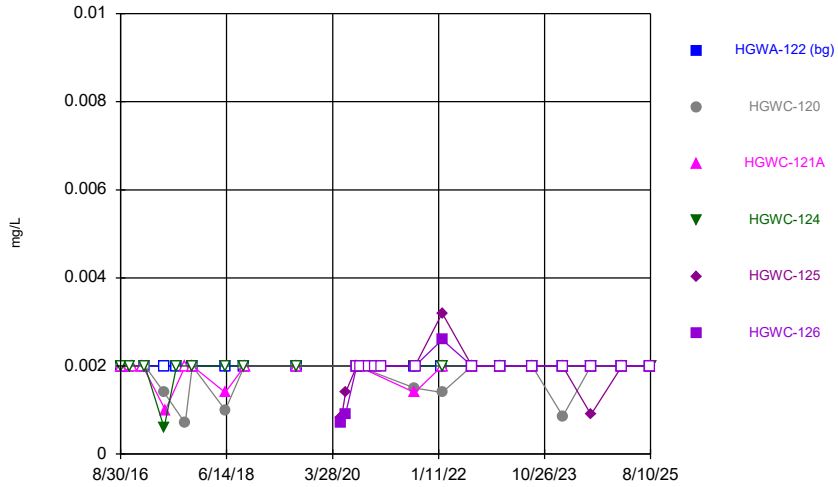

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Plant Hammond Client: Southern Company Data: Hammond AP3

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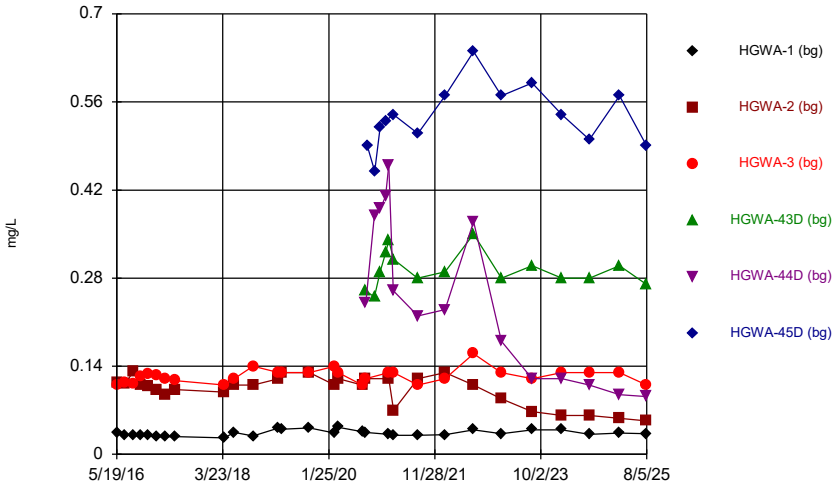

Constituent: Barium Analysis Run 10/16/2025 9:58 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

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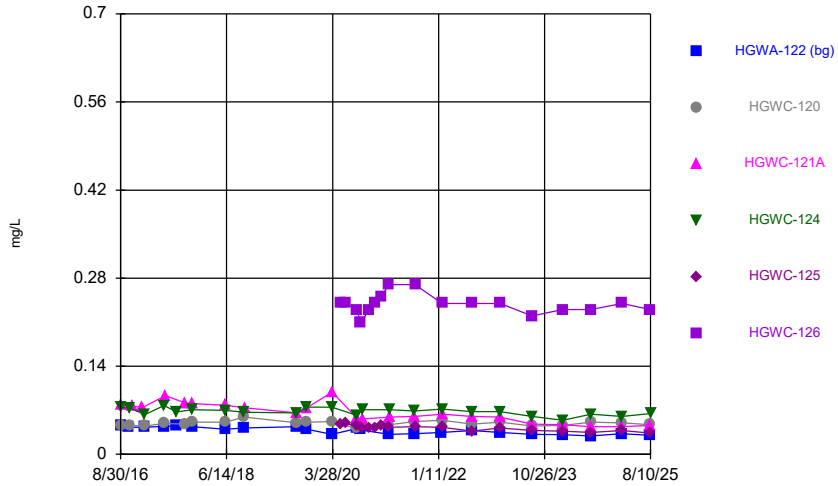
Time Series



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Plant Hammond Client: Southern Company Data: Hammond AP3

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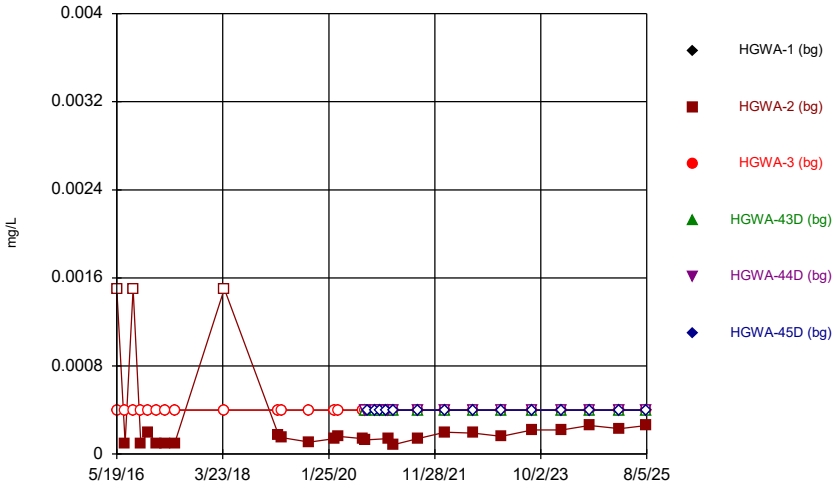

Constituent: Beryllium Analysis Run 10/16/2025 9:58 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

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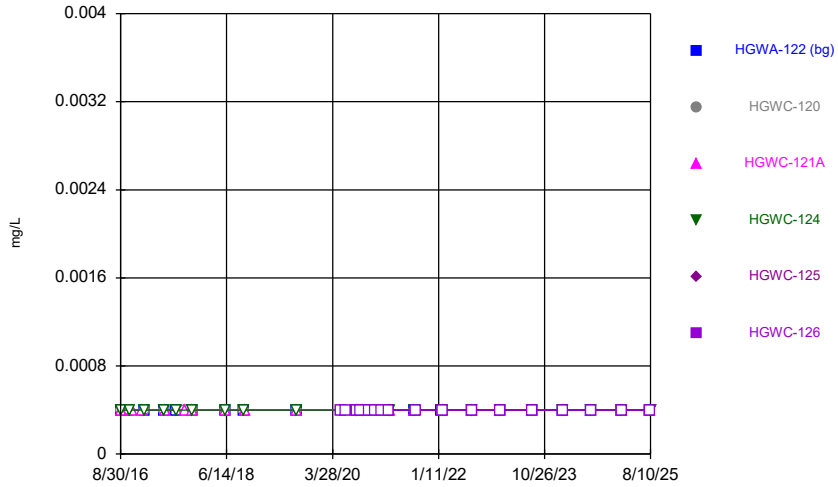
Time Series



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Plant Hammond Client: Southern Company Data: Hammond AP3

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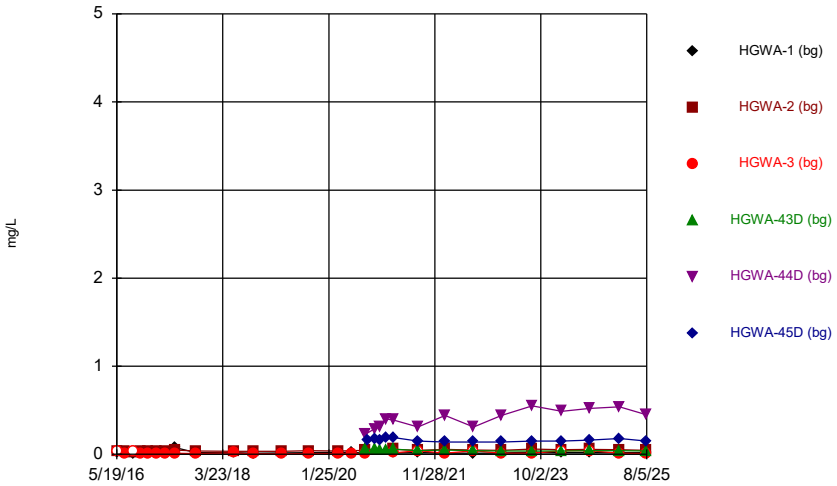

Constituent: Boron Analysis Run 10/16/2025 9:58 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

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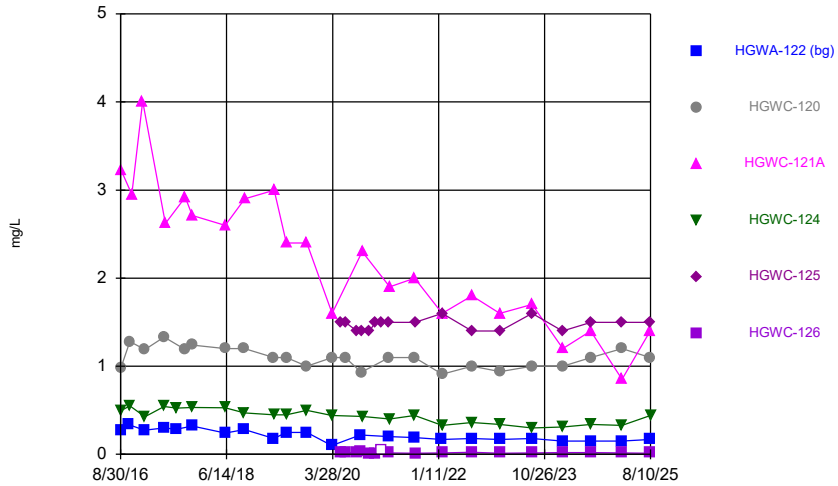
Hollow symbols indicate censored values.

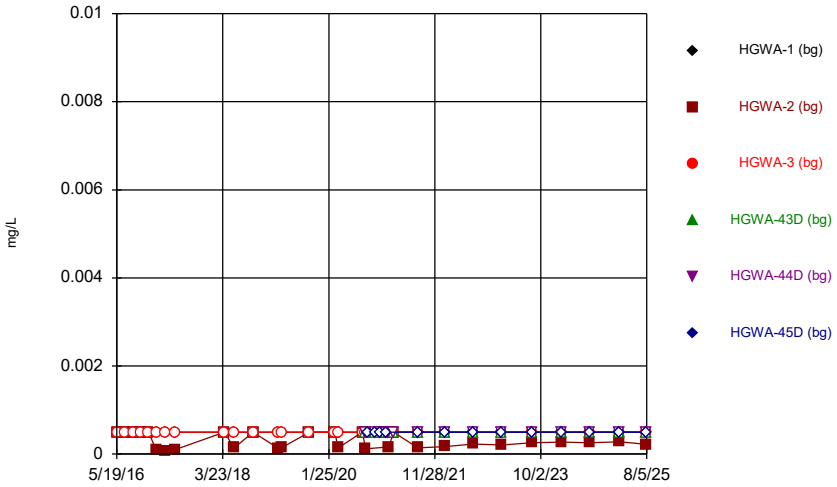
Time Series



Constituent: Boron Analysis Run 10/16/2025 9:58 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

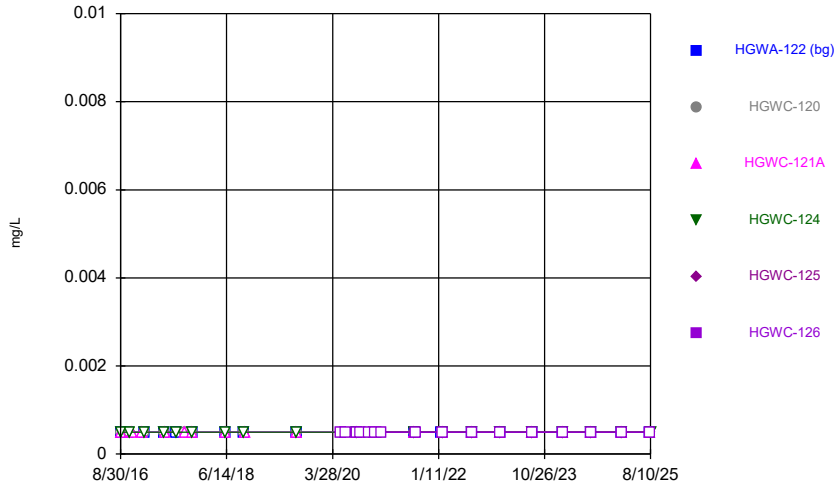
Time Series



Constituent: Cadmium Analysis Run 10/16/2025 9:58 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

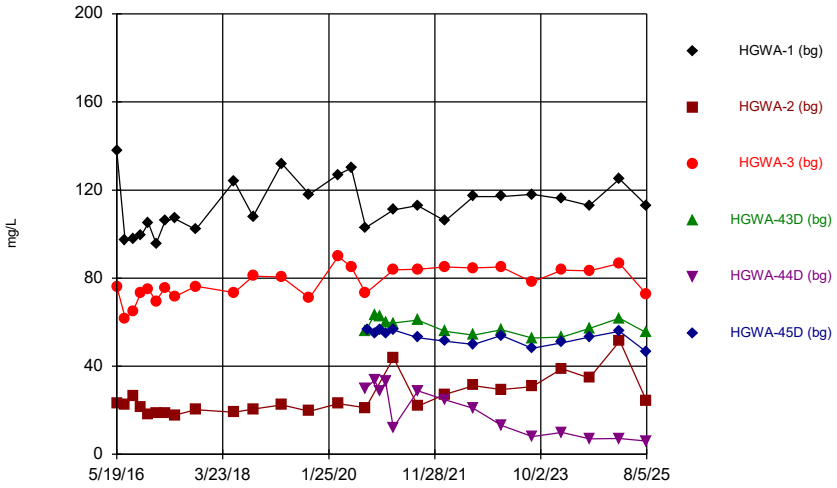
Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Cadmium Analysis Run 10/16/2025 9:58 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Time Series

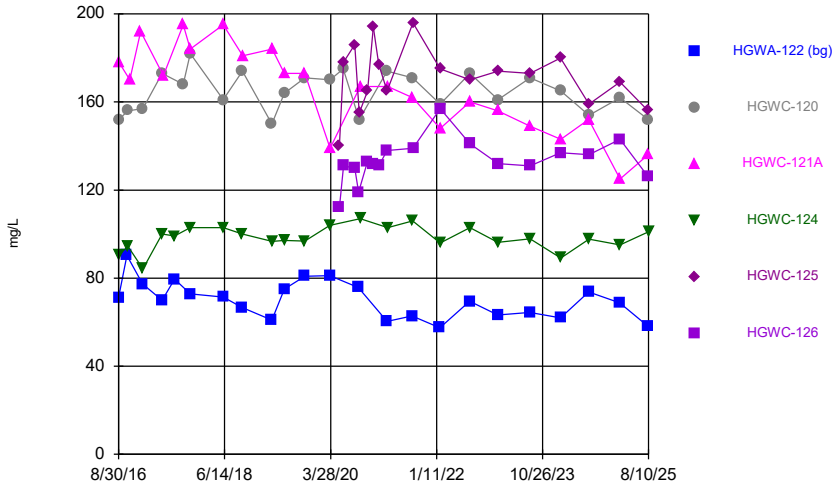


Constituent: Calcium Analysis Run 10/16/2025 9:58 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Time Series

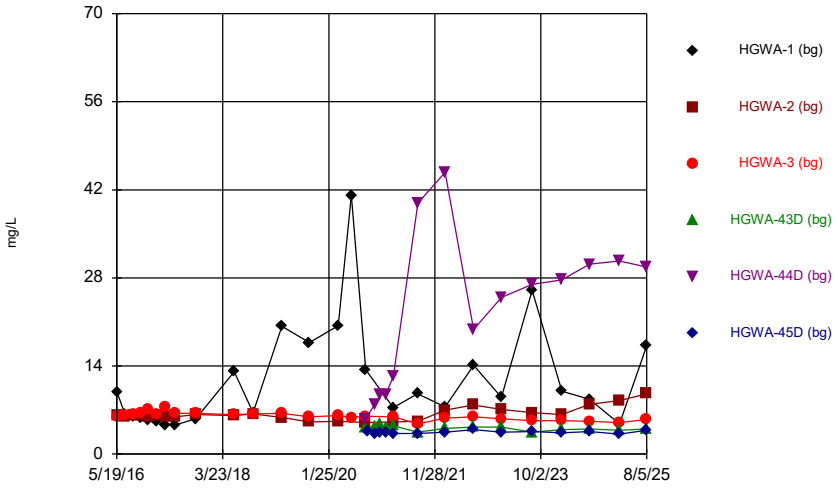


Constituent: Calcium Analysis Run 10/16/2025 9:58 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Time Series

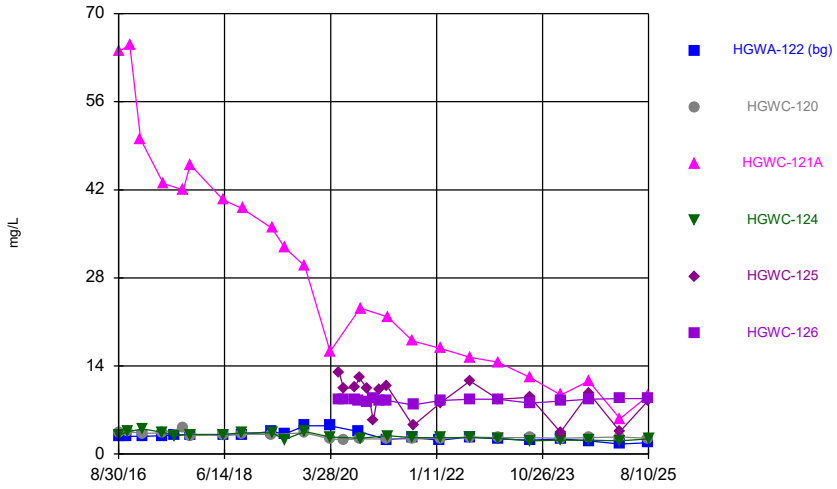


Constituent: Chloride Analysis Run 10/16/2025 9:58 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Time Series

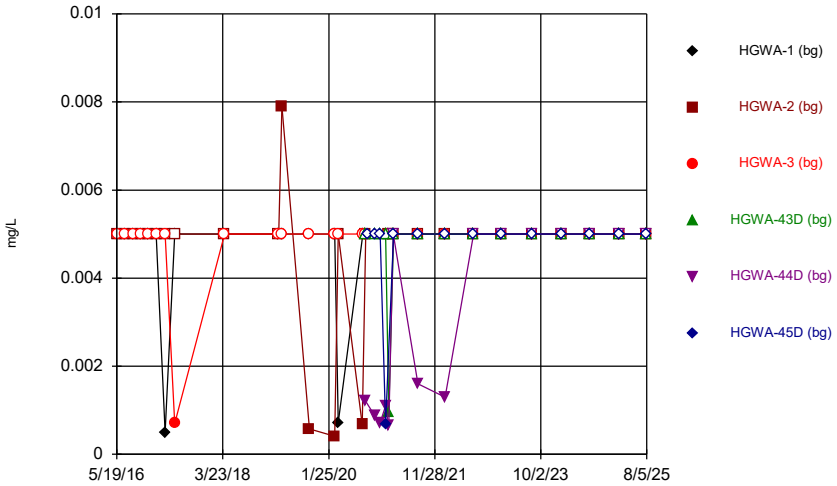


Constituent: Chloride Analysis Run 10/16/2025 9:58 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

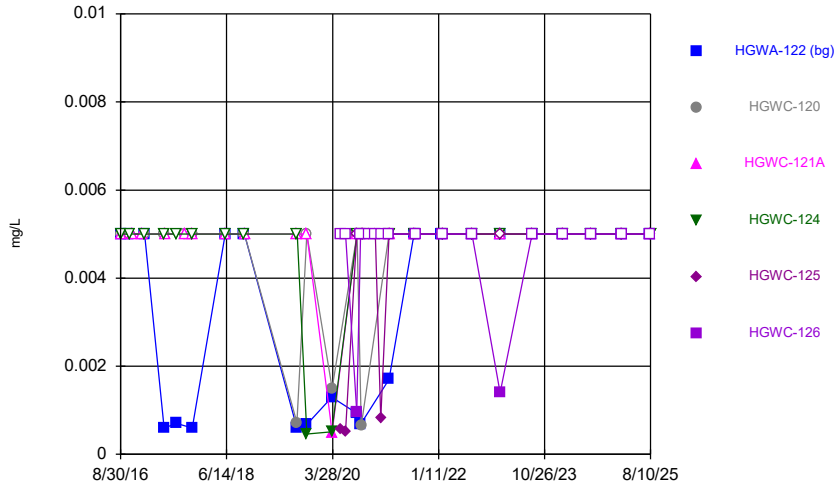
Time Series



Constituent: Chromium Analysis Run 10/16/2025 9:58 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

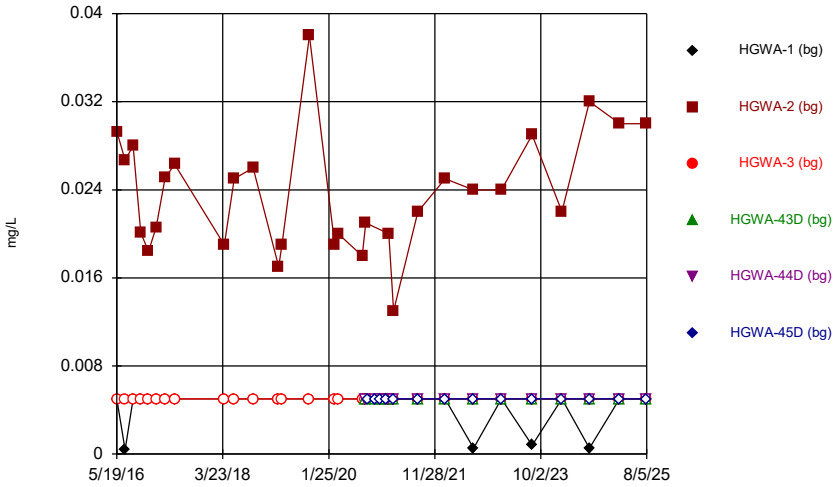
Time Series



Constituent: Chromium Analysis Run 10/16/2025 9:58 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

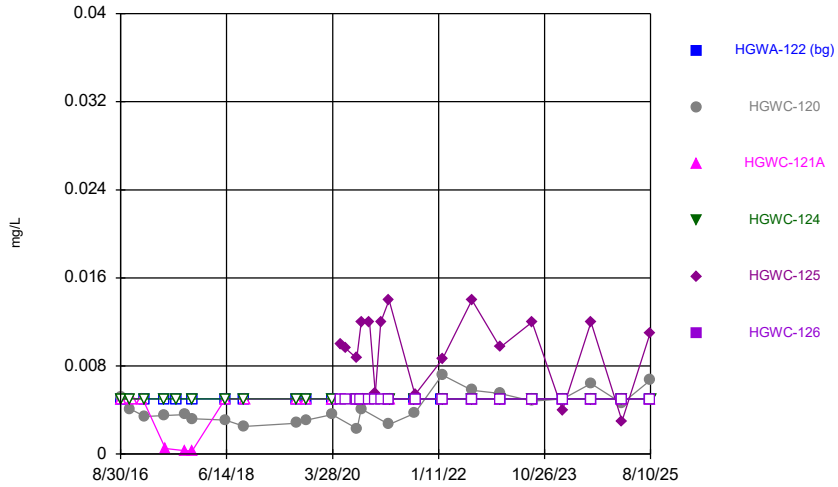
Time Series



Constituent: Cobalt Analysis Run 10/16/2025 9:58 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

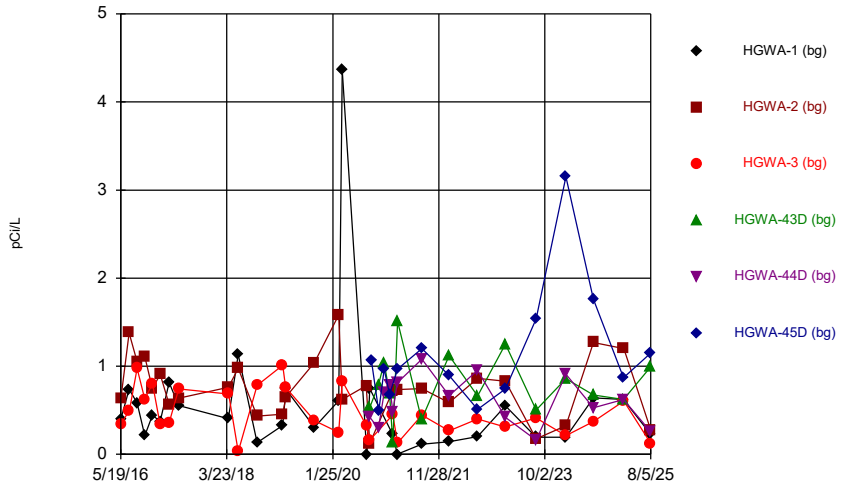
Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Cobalt Analysis Run 10/16/2025 9:58 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Time Series

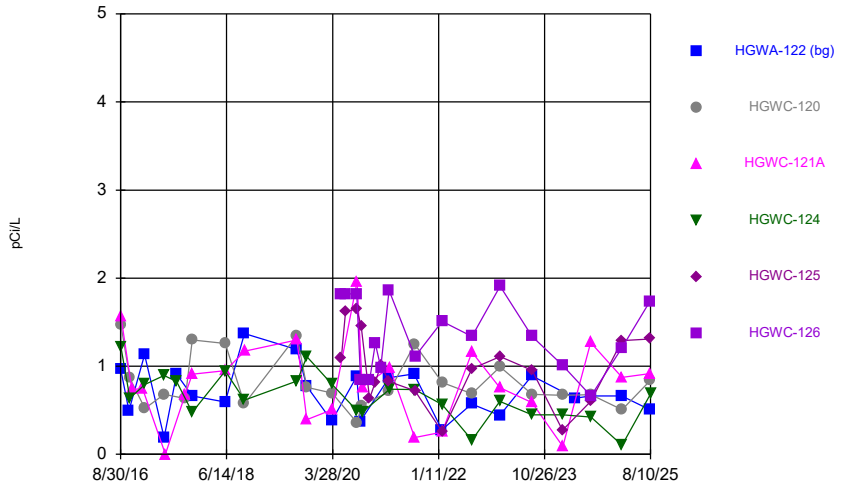


Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 9:58 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Time Series

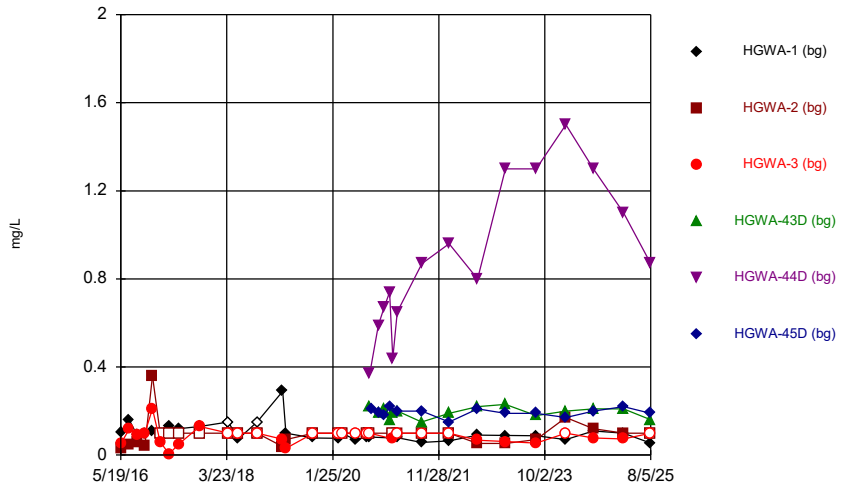


Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 9:58 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

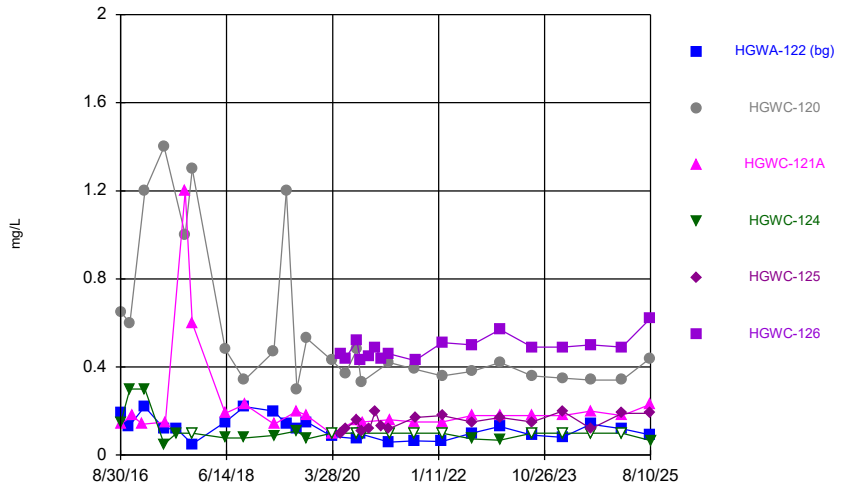


Constituent: Fluoride Analysis Run 10/16/2025 9:58 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

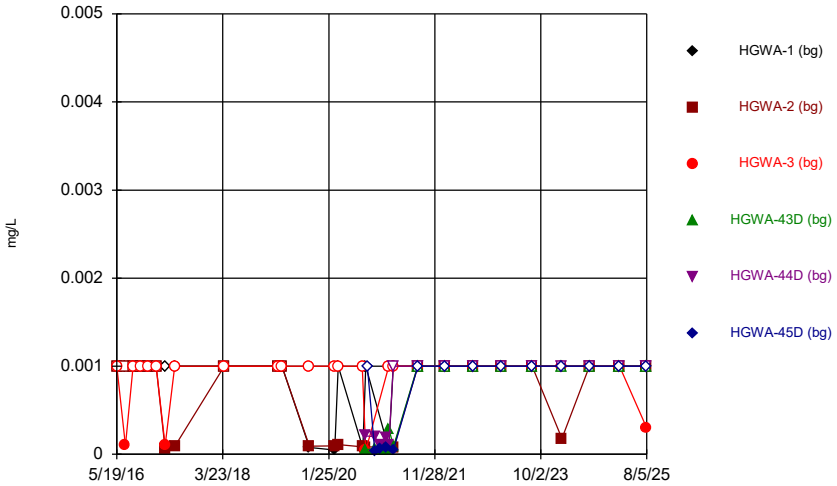


Constituent: Fluoride Analysis Run 10/16/2025 9:58 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

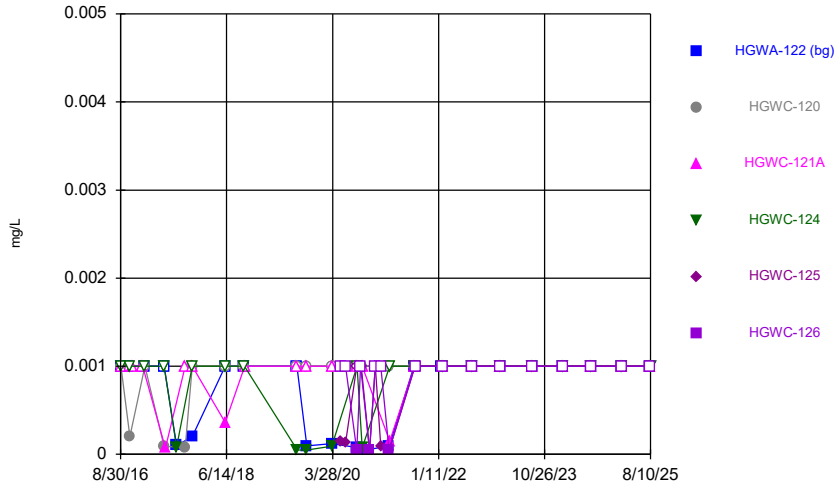
Time Series



Constituent: Lead Analysis Run 10/16/2025 9:58 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

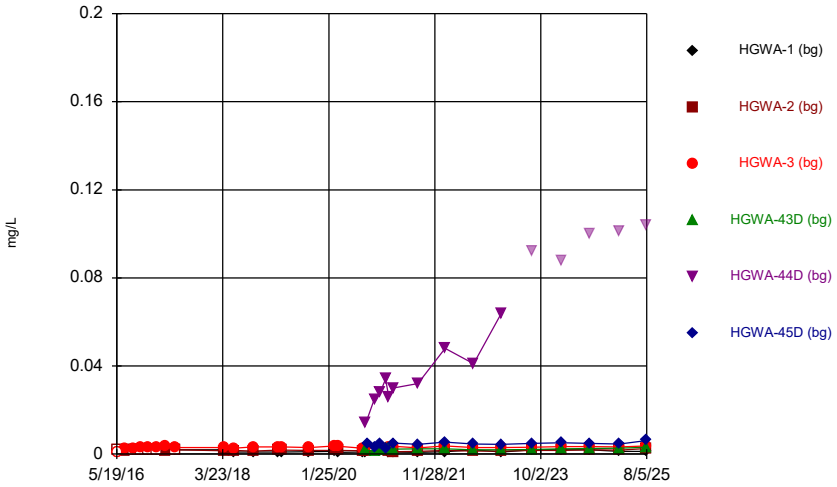
Time Series



Constituent: Lead Analysis Run 10/16/2025 9:58 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

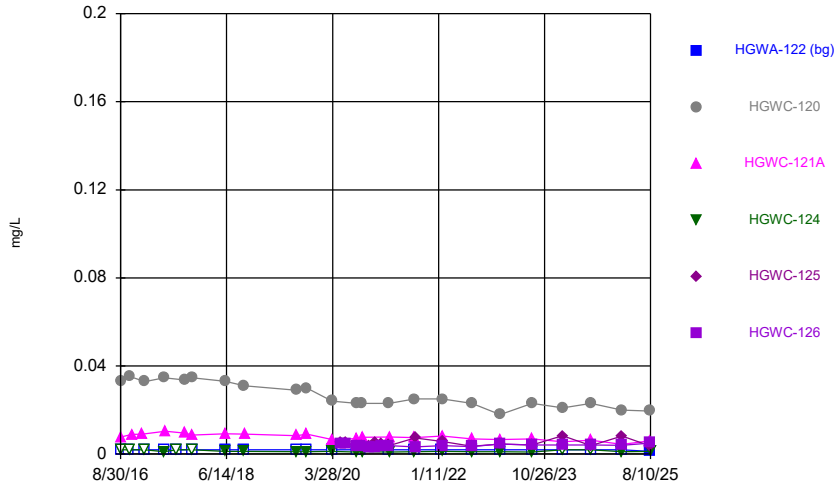
Time Series



Constituent: Lithium Analysis Run 10/16/2025 9:58 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

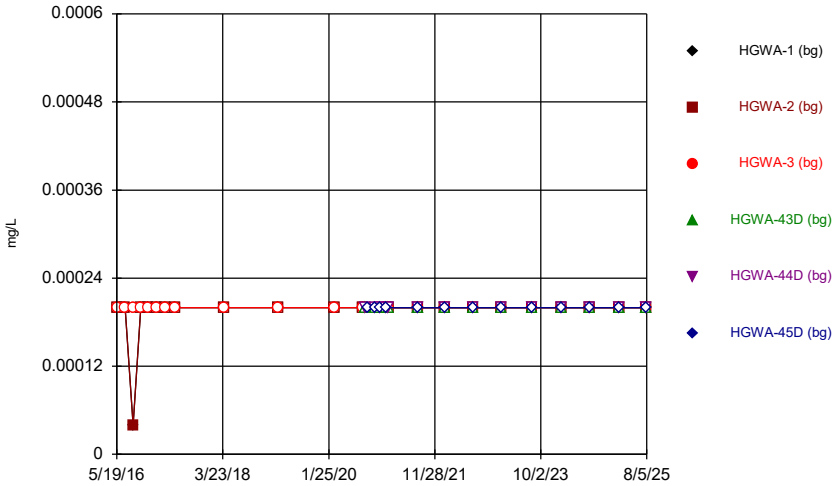
Time Series



Constituent: Lithium Analysis Run 10/16/2025 9:58 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

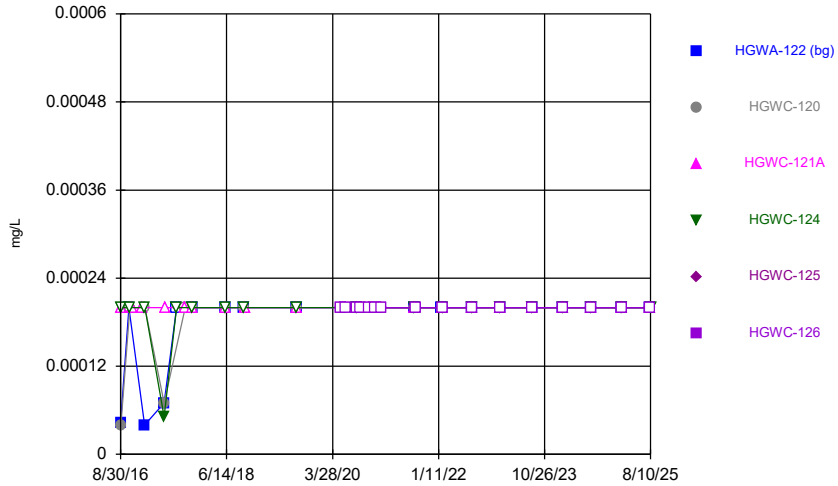
Time Series



Constituent: Mercury Analysis Run 10/16/2025 9:58 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

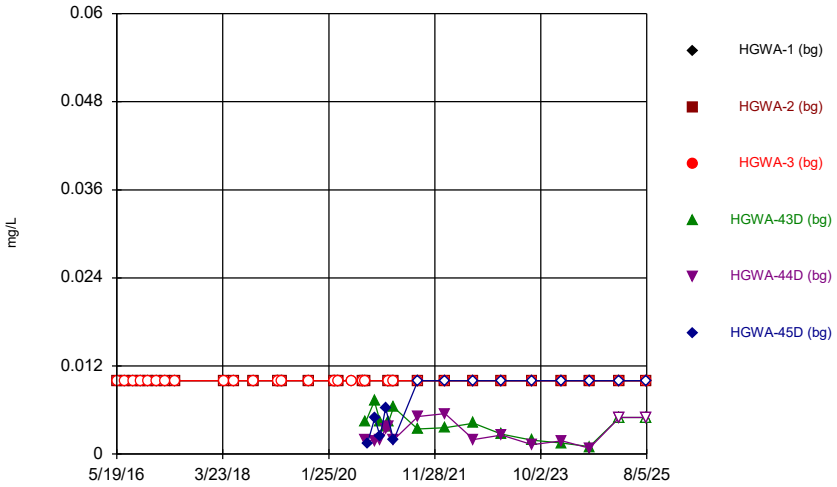
Time Series



Constituent: Mercury Analysis Run 10/16/2025 9:59 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

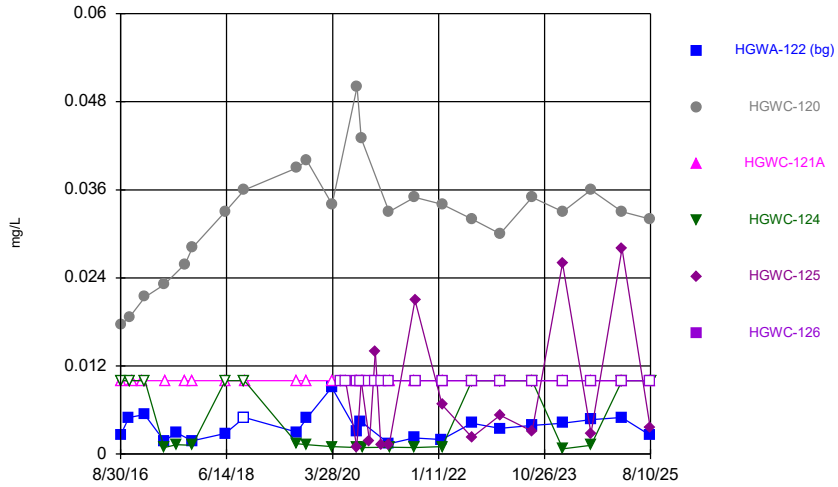
Time Series



Constituent: Molybdenum Analysis Run 10/16/2025 9:59 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

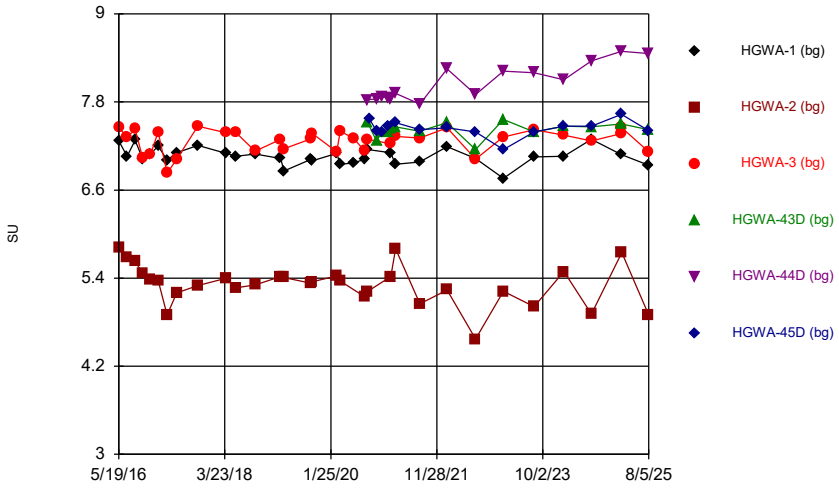
Time Series



Constituent: Molybdenum Analysis Run 10/16/2025 9:59 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Time Series

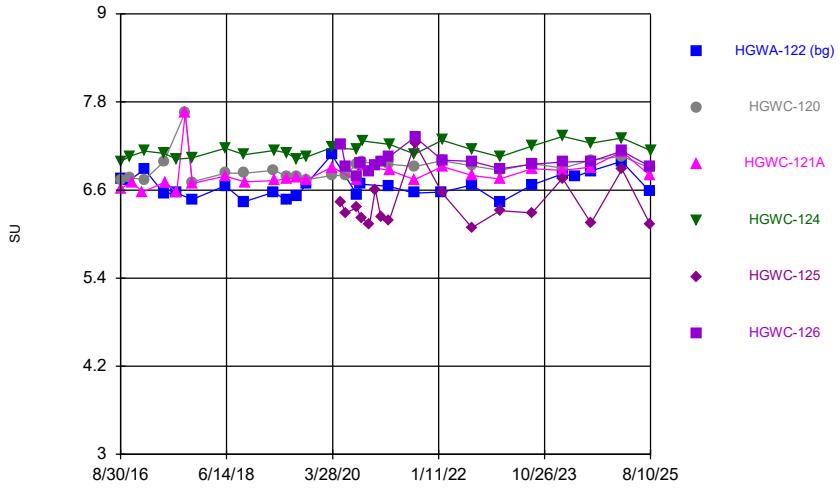


Constituent: pH, Field Analysis Run 10/16/2025 9:59 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Time Series



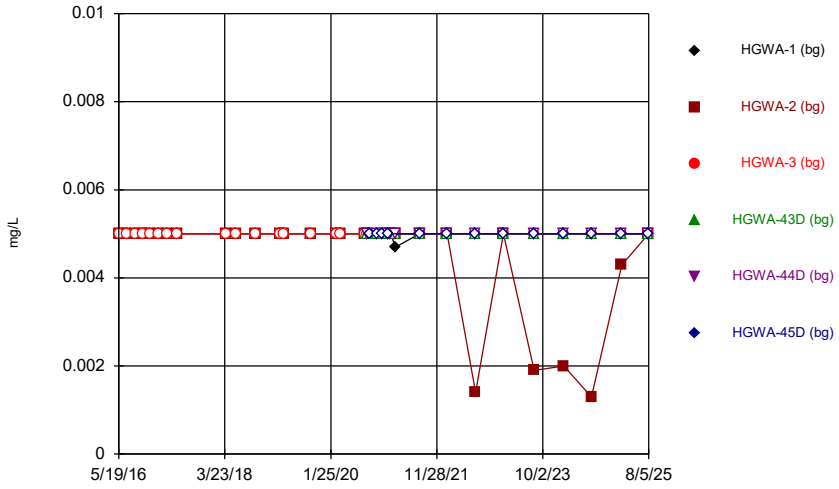
Constituent: pH, Field Analysis Run 10/16/2025 9:59 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series



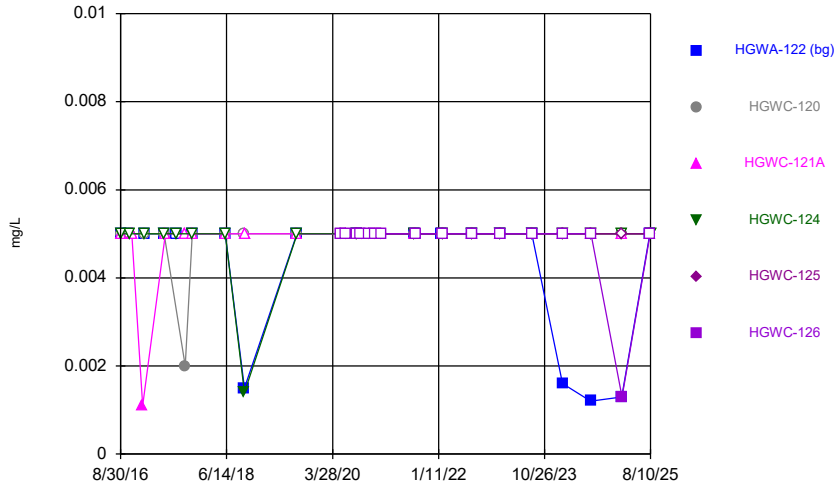
Constituent: Selenium Analysis Run 10/16/2025 9:59 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series

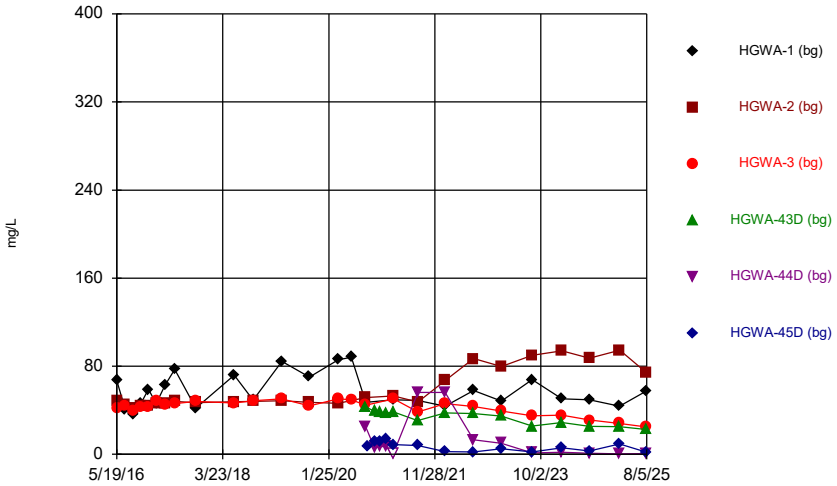


Constituent: Selenium Analysis Run 10/16/2025 9:59 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

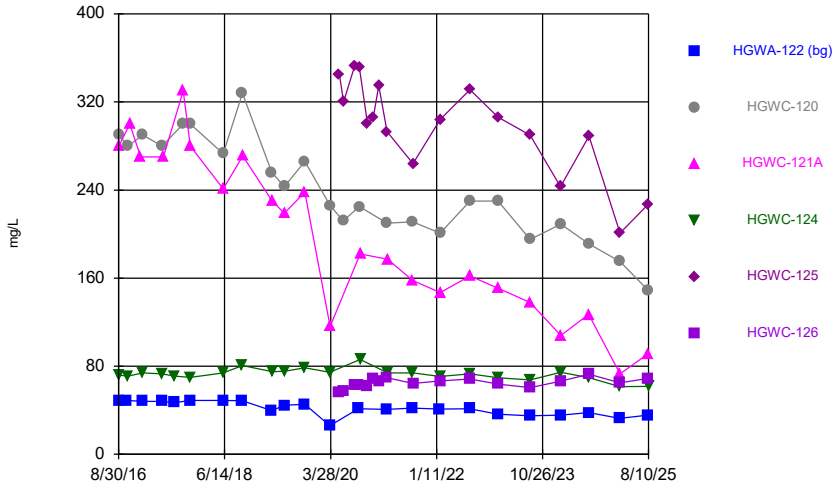
Time Series



Constituent: Sulfate Analysis Run 10/16/2025 9:59 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

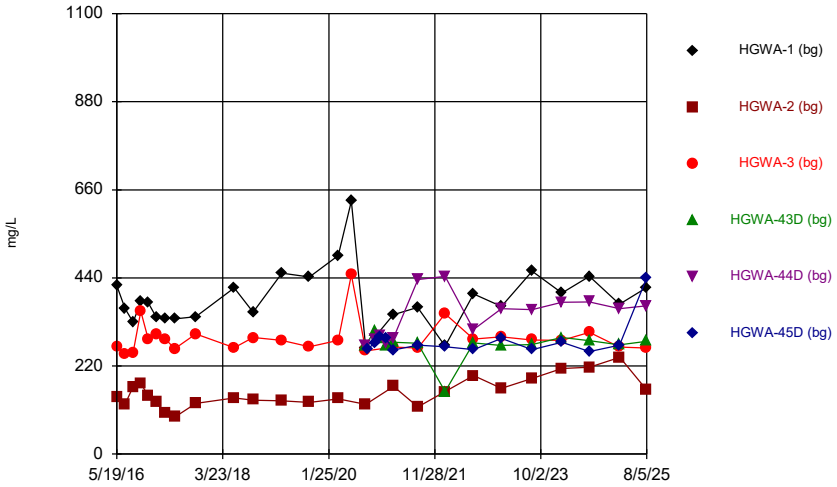
Time Series



Constituent: Sulfate Analysis Run 10/16/2025 9:59 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

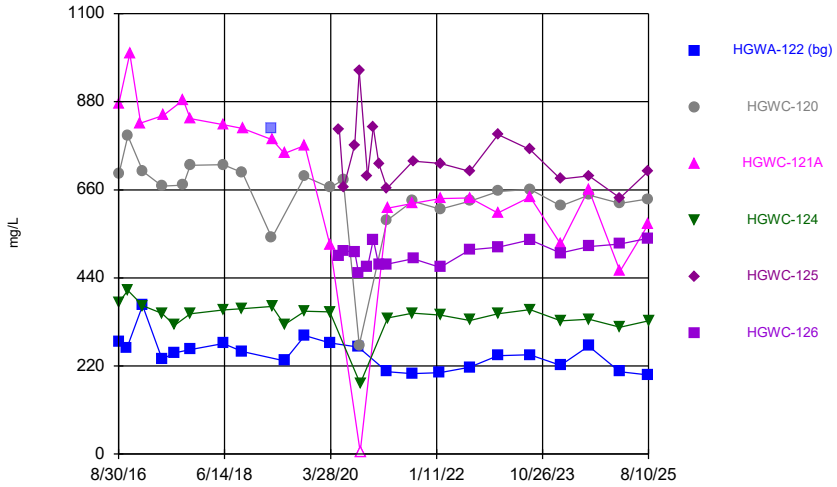
Time Series



Constituent: TDS Analysis Run 10/16/2025 9:59 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

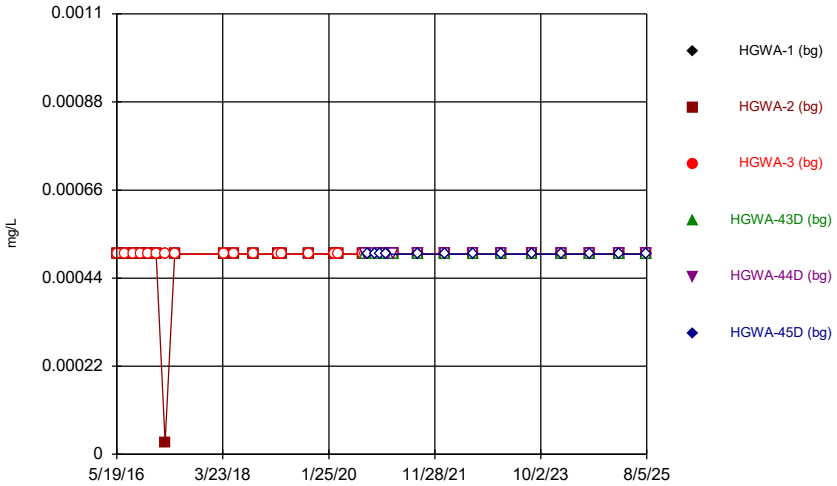
Time Series



Constituent: TDS Analysis Run 10/16/2025 9:59 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

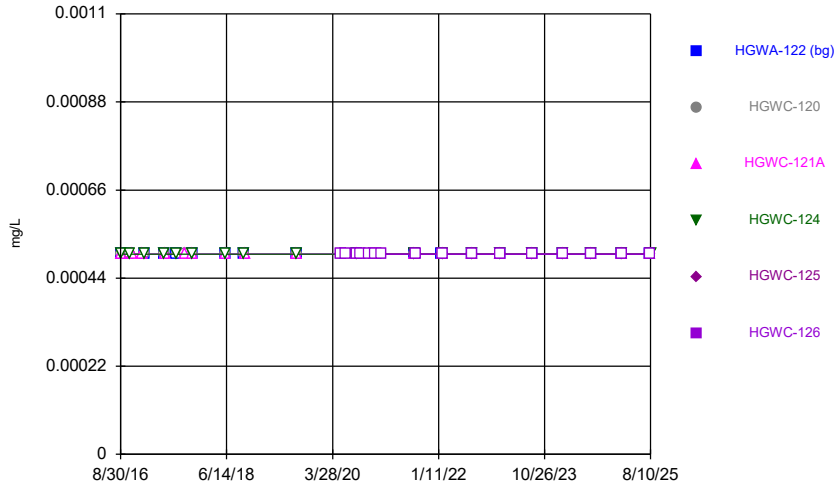
Time Series



Constituent: Thallium Analysis Run 10/16/2025 9:59 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 10/16/2025 9:59 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	<0.002	<0.002	<0.002			
7/11/2016	<0.002	<0.002				
7/12/2016			0.0003 (J)			
8/30/2016	<0.002	<0.002	<0.002			
10/19/2016	0.0014 (J)	<0.002	<0.002			
12/6/2016	<0.002	<0.002	<0.002			
1/24/2017	<0.002	<0.002	<0.002			
3/21/2017	<0.002	<0.002	<0.002			
5/22/2017	<0.002	<0.002	<0.002			
4/2/2018	<0.002	<0.002				
4/3/2018			<0.002			
3/12/2019	<0.002	<0.002	<0.002			
4/1/2019			<0.002			
4/2/2019	<0.002	<0.002				
9/23/2019	<0.002	<0.002	<0.002			
3/2/2020	<0.002	<0.002	<0.002			
3/25/2020	<0.002	<0.002	<0.002			
8/25/2020		<0.002	<0.002			
8/28/2020	<0.002					
9/15/2020	<0.002	<0.002	<0.002			
9/16/2020				0.00051 (J)	0.00049 (J)	
9/25/2020						<0.002
11/10/2020				0.00043 (J)	<0.002	
11/11/2020						0.00057 (J)
12/15/2020				0.00031 (J)	0.00047 (J)	
12/16/2020						<0.002
1/19/2021				0.00029 (J)	0.00067 (J)	
1/20/2021						<0.002
2/8/2021	<0.002					
2/9/2021		0.00062 (J)	0.00031 (J)	0.00037 (J)	0.00042 (J)	
3/10/2021	<0.002				0.00037 (J)	
3/11/2021		<0.002	<0.002	0.00057 (J)		
3/12/2021						0.0003 (J)
8/11/2021	<0.002			<0.002		
8/12/2021		<0.002	<0.002			
8/13/2021					<0.002	<0.002
2/1/2022	<0.002	<0.002	<0.002	<0.002	0.0013 (J)	0.0018 (J)
8/2/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1/23/2023			<0.002			
1/24/2023	<0.002	<0.002		<0.002	<0.002	<0.002
8/8/2023	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/13/2024	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/5/2024	<0.002	<0.002	<0.002			
8/6/2024				<0.002	<0.002	<0.002
2/12/2025	<0.002		<0.002	<0.002	<0.002	
2/13/2025						<0.002
2/14/2025		<0.002				
8/5/2025	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	<0.002					
8/31/2016		<0.002	<0.002	<0.002		
10/20/2016	<0.002					
10/26/2016		<0.002		<0.002		
11/7/2016			<0.002			
1/13/2017			<0.002			
1/25/2017	<0.002					
1/27/2017		<0.002		<0.002		
5/25/2017	<0.002	<0.002		<0.002		
6/3/2017			<0.002			
8/11/2017	<0.002			<0.002		
10/2/2017		<0.002	<0.002			
11/15/2017	<0.002	<0.002	<0.002	<0.002		
6/5/2018	<0.002	<0.002	<0.002	<0.002		
10/2/2018	<0.002	<0.002		<0.002		
10/5/2018			<0.002			
8/22/2019	<0.002	<0.002	<0.002			
8/23/2019				<0.002		
5/22/2020					0.00047 (J)	<0.002
6/16/2020					<0.002	<0.002
8/24/2020	<0.002					
8/25/2020					<0.002	<0.002
8/26/2020		<0.002	<0.002			
8/27/2020				<0.002		
9/15/2020	0.001 (J)					
9/18/2020						<0.002
9/21/2020		<0.002			<0.002	
9/28/2020			<0.002	<0.002		
11/11/2020						0.0004 (J)
11/12/2020					<0.002	
12/16/2020					<0.002	<0.002
1/20/2021					<0.002	<0.002
3/11/2021	<0.002					
3/12/2021		0.0018 (J)			0.00061 (J)	0.00043 (J)
3/15/2021			<0.002	<0.002		
8/13/2021	<0.002					
8/16/2021		<0.002	<0.002	<0.002		
8/19/2021					<0.002	<0.002
2/1/2022	<0.002					
2/2/2022		<0.002	<0.002	<0.002		
2/3/2022					<0.002	<0.002
8/2/2022	<0.002					
8/4/2022		<0.002	0.0016 (J)	<0.002	<0.002	<0.002
1/24/2023	<0.002		<0.002	0.0018 (J)		
1/25/2023		<0.002			<0.002	<0.002
8/8/2023	<0.002					
8/10/2023		<0.002	<0.002		<0.002	
8/11/2023				<0.002		<0.002
2/13/2024	<0.002					
2/14/2024					<0.002	<0.002
2/15/2024		<0.002	<0.002			
2/16/2024				<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/6/2024	<0.002		0.0018 (J)			
8/7/2024		<0.002		0.002 (J)	<0.002	<0.002
2/13/2025	<0.002					
2/14/2025				<0.002		
2/15/2025		<0.002	<0.002		<0.002	<0.002
8/5/2025	<0.002					
8/7/2025		<0.002	<0.002		<0.002	<0.002
8/10/2025				<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	<0.002	0.00127 (J)	<0.002			
7/11/2016	<0.002	0.002 (J)				
7/12/2016			0.0008 (J)			
8/30/2016	<0.002	0.0017 (J)	<0.002			
10/19/2016	<0.002	<0.002	<0.002			
12/6/2016	<0.002	<0.002	<0.002			
1/24/2017	<0.002	<0.002	<0.002			
3/21/2017	0.0005 (J)	<0.002	0.0007 (J)			
5/22/2017	<0.002	0.0006 (J)	0.0006 (J)			
4/2/2018	<0.002	<0.002				
4/3/2018			<0.002			
6/4/2018	<0.002	0.00088 (J)	0.0008 (J)			
10/1/2018	<0.002	<0.002	0.0011 (J)			
3/12/2019	<0.002	0.00069 (J)	0.00063 (J)			
4/1/2019			<0.002			
4/2/2019	<0.002	<0.002				
9/23/2019	0.00046 (J)	0.00067 (J)	0.0011 (J)			
3/2/2020	<0.002	0.00043 (J)	0.0004 (J)			
3/25/2020	<0.002	<0.002	<0.002			
8/25/2020		<0.002	<0.002			
8/28/2020	<0.002					
9/15/2020	<0.002	<0.002	<0.002			
9/16/2020				<0.002	<0.002	
9/25/2020						<0.002
11/10/2020				0.0021 (J)	<0.002	
11/11/2020						0.0011 (J)
12/15/2020				<0.002	<0.002	
12/16/2020						<0.002
1/19/2021				0.0011 (J)	<0.002	
1/20/2021						0.0022 (J)
2/8/2021	<0.002					
2/9/2021		<0.002	<0.002	0.0017 (J)	0.00083 (J)	
3/10/2021	<0.002				<0.002	
3/11/2021		<0.002	<0.002	0.0013 (J)		
8/11/2021	<0.002			0.0015 (J)		
8/12/2021		<0.002	<0.002			
8/13/2021					<0.002	0.0012 (J)
2/1/2022	0.0016 (J)	0.0023 (J)	0.0024 (J)	0.0036 (J)	0.0025 (J)	<0.002
8/2/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1/23/2023			<0.002			
1/24/2023	<0.002	<0.002		<0.002	0.0027 (J)	<0.002
8/8/2023	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/13/2024	<0.002	<0.002	<0.002	0.00097 (J)	0.0014 (J)	<0.002
8/5/2024	<0.002	<0.002	<0.002			
8/6/2024				<0.002	<0.002	<0.002
2/12/2025	<0.002		<0.002	<0.002	0.0014 (J)	
2/13/2025						<0.002
2/14/2025		<0.002				
8/5/2025	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	<0.002					
8/31/2016		<0.002	<0.002	<0.002		
10/20/2016	<0.002					
10/26/2016		<0.002		<0.002		
11/7/2016			<0.002			
1/13/2017			<0.002			
1/25/2017	<0.002					
1/27/2017		<0.002		<0.002		
5/25/2017	<0.002	0.0014 (J)		0.0006 (J)		
6/3/2017			0.001 (J)			
8/11/2017	<0.002			<0.002		
10/2/2017		0.0007 (J)	<0.002			
11/15/2017	<0.002	<0.002	<0.002	<0.002		
6/5/2018	<0.002	0.001 (J)	0.0014 (J)	<0.002		
10/2/2018	<0.002	<0.002		<0.002		
10/5/2018			<0.002			
8/22/2019	<0.002	<0.002	<0.002			
8/23/2019				<0.002		
5/22/2020					0.00081 (J)	0.00071 (J)
6/16/2020					0.0014 (J)	0.00091 (J)
8/24/2020	<0.002					
8/25/2020					<0.002	<0.002
8/26/2020		<0.002	<0.002			
8/27/2020				<0.002		
9/18/2020						<0.002
9/21/2020					<0.002	
11/11/2020						<0.002
11/12/2020					<0.002	
12/16/2020					<0.002	<0.002
1/20/2021					<0.002	<0.002
8/13/2021	<0.002					
8/16/2021		0.0015 (J)	0.0014 (J)	<0.002		
8/19/2021					<0.002	<0.002
2/1/2022	<0.002					
2/2/2022		0.0014 (J)	<0.002	<0.002		
2/3/2022					0.0032 (J)	0.0026 (J)
8/2/2022	<0.002					
8/4/2022		<0.002	<0.002	<0.002	<0.002	<0.002
1/24/2023	<0.002		<0.002	<0.002		
1/25/2023		<0.002			<0.002	<0.002
8/8/2023	<0.002					
8/10/2023		<0.002	<0.002		<0.002	
8/11/2023				<0.002		<0.002
2/13/2024	<0.002					
2/14/2024					<0.002	<0.002
2/15/2024		0.00086 (J)	<0.002			
2/16/2024				<0.002		
8/6/2024	<0.002		<0.002			
8/7/2024		<0.002		<0.002	0.0009 (J)	<0.002
2/13/2025	<0.002					
2/14/2025				<0.002		
2/15/2025		<0.002	<0.002		<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/5/2025	<0.002					
8/7/2025		<0.002	<0.002		<0.002	<0.002
8/10/2025				<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	0.0346	0.114	0.111			
7/11/2016	0.0311	0.112				
7/12/2016			0.115			
8/30/2016	0.0293	0.131	0.113			
10/19/2016	0.0293	0.111	0.123			
12/6/2016	0.0304	0.108	0.127			
1/24/2017	0.028	0.102	0.126			
3/21/2017	0.0275	0.095	0.12			
5/22/2017	0.0281	0.103	0.117			
4/2/2018	0.026	0.099				
4/3/2018			0.11			
6/4/2018	0.035	0.11	0.12			
10/1/2018	0.029	0.11	0.14			
3/12/2019	0.042	0.12	0.13			
4/1/2019			0.13			
4/2/2019	0.04	0.13				
9/23/2019	0.042	0.13	0.13			
3/2/2020	0.034	0.11	0.14			
3/25/2020	0.043	0.12	0.13			
8/25/2020		0.11	0.11			
8/28/2020	0.036					
9/15/2020	0.035	0.12	0.12			
9/16/2020				0.26	0.24	
9/25/2020						0.49
11/10/2020				0.25	0.38	
11/11/2020						0.45
12/15/2020				0.29	0.39	
12/16/2020						0.52
1/19/2021				0.32	0.41	
1/20/2021						0.53
2/8/2021	0.032					
2/9/2021		0.12	0.13	0.34	0.46	
3/10/2021	0.03				0.26	
3/11/2021		0.07	0.13	0.31 (D)		
3/12/2021						0.54
8/11/2021	0.03			0.28		
8/12/2021		0.12	0.11			
8/13/2021					0.22	0.51
2/1/2022	0.031	0.13	0.12	0.29	0.23	0.57
8/2/2022	0.039	0.11	0.16	0.35	0.37	0.64
1/23/2023			0.13			
1/24/2023	0.033	0.088		0.28	0.18	0.57
8/8/2023	0.039	0.068	0.12	0.3	0.12	0.59
2/13/2024	0.039	0.062	0.13	0.28	0.12	0.54
8/5/2024	0.032	0.062	0.13			
8/6/2024				0.28	0.11	0.5
2/12/2025	0.034		0.13	0.3	0.095	
2/13/2025						0.57
2/14/2025		0.057				
8/5/2025	0.033	0.053	0.11	0.27	0.092	0.49

Time Series

Constituent: Barium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	0.0463					
8/31/2016		0.045	0.0782	0.0744		
10/20/2016	0.0431					
10/26/2016		0.0462		0.0735		
11/7/2016			0.0764			
1/13/2017			0.0744			
1/25/2017	0.0429					
1/27/2017		0.0451		0.0632		
5/25/2017	0.0447	0.0488		0.0773		
6/3/2017			0.0933			
8/11/2017	0.0451			0.0672		
10/2/2017		0.0479	0.0815			
11/15/2017	0.0439	0.051	0.0807	0.0707		
6/5/2018	0.04	0.051	0.078	0.07		
10/2/2018	0.042	0.059		0.067		
10/5/2018			0.074			
8/22/2019	0.044	0.05	0.066			
8/23/2019				0.066		
10/21/2019	0.04		0.074	0.075		
10/22/2019		0.051				
3/24/2020	0.032			0.075		
3/25/2020		0.052	0.099			
5/22/2020					0.048	0.24
6/16/2020					0.049	0.24
8/24/2020	0.041					
8/25/2020					0.045	0.23
8/26/2020		0.041	0.057			
8/27/2020				0.062		
9/15/2020	0.039					
9/18/2020						0.21
9/21/2020		0.046			0.042	
9/28/2020			0.056	0.071		
11/11/2020						0.23
11/12/2020					0.042	
12/16/2020					0.041	0.24
1/20/2021					0.045	0.25
3/11/2021	0.032					
3/12/2021		0.047			0.043	0.27
3/15/2021			0.059	0.071		
8/13/2021	0.033					
8/16/2021		0.052	0.06	0.069		
8/19/2021					0.044	0.27
2/1/2022	0.035					
2/2/2022		0.054	0.064	0.072		
2/3/2022					0.043	0.24
8/2/2022	0.038					
8/4/2022		0.048	0.06	0.068	0.037	0.24
1/24/2023	0.035		0.059	0.068		
1/25/2023		0.051			0.042	0.24
8/8/2023	0.032					
8/10/2023		0.045	0.048		0.038	
8/11/2023				0.06		0.22

Time Series

Constituent: Barium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
2/13/2024	0.031					
2/14/2024					0.037	0.23
2/15/2024		0.046	0.047			
2/16/2024				0.054		
8/6/2024	0.029		0.044			
8/7/2024		0.051		0.064	0.035	0.23
2/13/2025	0.033					
2/14/2025				0.06		
2/15/2025		0.05	0.044		0.038	0.24
8/5/2025	0.03					
8/7/2025		0.047	0.046		0.034	0.23
8/10/2025				0.065		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	<0.0004	<0.003	<0.0004			
7/11/2016	<0.0004	0.0001 (J)				
7/12/2016			<0.0004			
8/30/2016	<0.0004	<0.003	<0.0004			
10/19/2016	<0.0004	0.0001 (J)	<0.0004			
12/6/2016	<0.0004	0.0002 (J)	<0.0004			
1/24/2017	<0.0004	0.0001 (J)	<0.0004			
3/21/2017	<0.0004	0.0001 (J)	<0.0004			
5/22/2017	<0.0004	0.0001 (J)	<0.0004			
4/2/2018	<0.0004	<0.003				
4/3/2018			<0.0004			
3/12/2019	<0.0004	0.00017 (J)	<0.0004			
4/1/2019			<0.0004			
4/2/2019	<0.0004	0.00015 (J)				
9/23/2019	<0.0004	0.00011 (J)	<0.0004			
3/2/2020	<0.0004	0.00014 (J)	<0.0004			
3/25/2020	<0.0004	0.00016 (J)	<0.0004			
8/25/2020		0.00014 (J)	<0.0004			
8/28/2020	<0.0004					
9/15/2020	<0.0004	0.00013 (J)	<0.0004			
9/16/2020				<0.0004	<0.0004	
9/25/2020						<0.0004
11/10/2020				<0.0004	<0.0004	
11/11/2020						<0.0004
12/15/2020				<0.0004	<0.0004	
12/16/2020						<0.0004
1/19/2021				<0.0004	<0.0004	
1/20/2021						<0.0004
2/8/2021	<0.0004					
2/9/2021		0.00014 (J)	<0.0004	<0.0004	<0.0004	
3/10/2021	<0.0004				<0.0004	
3/11/2021		8.6E-05 (J)	<0.0004	<0.0004		
3/12/2021						<0.0004
8/11/2021	<0.0004			<0.0004		
8/12/2021		0.00014 (J)	<0.0004			
8/13/2021					<0.0004	<0.0004
2/1/2022	<0.0004	0.0002 (J)	<0.0004	<0.0004	<0.0004	<0.0004
8/2/2022	<0.0004	0.00019 (J)	<0.0004	<0.0004	<0.0004	<0.0004
1/23/2023			<0.0004			
1/24/2023	<0.0004	0.00016 (J)		<0.0004	<0.0004	<0.0004
8/8/2023	<0.0004	0.00022 (J)	<0.0004	<0.0004	<0.0004	<0.0004
2/13/2024	<0.0004	0.00022 (J)	<0.0004	<0.0004	<0.0004	<0.0004
8/5/2024	<0.0004	0.00026 (J)	<0.0004			
8/6/2024				<0.0004	<0.0004	<0.0004
2/12/2025	<0.0004		<0.0004	<0.0004	<0.0004	
2/13/2025						<0.0004
2/14/2025		0.00023 (J)				
8/5/2025	<0.0004	0.00026 (J)	<0.0004	<0.0004	<0.0004	<0.0004

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	<0.0004					
8/31/2016		<0.0004	<0.0004	<0.0004		
10/20/2016	<0.0004					
10/26/2016		<0.0004		<0.0004		
11/7/2016			<0.0004			
1/13/2017			<0.0004			
1/25/2017	<0.0004					
1/27/2017		<0.0004		<0.0004		
5/25/2017	<0.0004	<0.0004		<0.0004		
6/3/2017			<0.0004			
8/11/2017	<0.0004			<0.0004		
10/2/2017		<0.0004	<0.0004			
11/15/2017	<0.0004	<0.0004	<0.0004	<0.0004		
6/5/2018	<0.0004	<0.0004	<0.0004	<0.0004		
10/2/2018	<0.0004	<0.0004		<0.0004		
10/5/2018			<0.0004			
8/22/2019	<0.0004	<0.0004	<0.0004			
8/23/2019				<0.0004		
5/22/2020					<0.0004	<0.0004
6/16/2020					<0.0004	<0.0004
8/24/2020	<0.0004					
8/25/2020					<0.0004	<0.0004
8/26/2020		<0.0004	<0.0004			
8/27/2020				<0.0004		
9/15/2020	<0.0004					
9/18/2020						<0.0004
9/21/2020		<0.0004			<0.0004	
9/28/2020			<0.0004	<0.0004		
11/11/2020						<0.0004
11/12/2020					<0.0004	
12/16/2020					<0.0004	<0.0004
1/20/2021					<0.0004	<0.0004
3/11/2021	<0.0004					
3/12/2021		<0.0004			<0.0004	<0.0004
3/15/2021			<0.0004	<0.0004		
8/13/2021	<0.0004					
8/16/2021		<0.0004	<0.0004	<0.0004		
8/19/2021					<0.0004	<0.0004
2/1/2022	<0.0004					
2/2/2022		<0.0004	<0.0004	<0.0004		
2/3/2022					<0.0004	<0.0004
8/2/2022	<0.0004					
8/4/2022		<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1/24/2023	<0.0004		<0.0004	<0.0004		
1/25/2023		<0.0004			<0.0004	<0.0004
8/8/2023	<0.0004					
8/10/2023		<0.0004	<0.0004		<0.0004	
8/11/2023				<0.0004		<0.0004
2/13/2024	<0.0004					
2/14/2024					<0.0004	<0.0004
2/15/2024		<0.0004	<0.0004			
2/16/2024				<0.0004		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/6/2024	<0.0004		<0.0004			
8/7/2024		<0.0004		<0.0004	<0.0004	<0.0004
2/13/2025	<0.0004					
2/14/2025				<0.0004		
2/15/2025		<0.0004	<0.0004		<0.0004	<0.0004
8/5/2025	<0.0004					
8/7/2025		<0.0004	<0.0004		<0.0004	<0.0004
8/10/2025				<0.0004		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	0.0214 (J)	0.0321 (J)	<0.04			
7/11/2016	0.0142 (J)	0.0337 (J)				
7/12/2016			0.0074 (J)			
8/30/2016	0.0074 (J)	0.0173 (J)	<0.04			
10/19/2016	0.0224 (J)	0.0341 (J)	0.0085 (J)			
12/6/2016	0.0211 (J)	0.0326 (J)	0.0085 (J)			
1/24/2017	0.0165 (J)	0.0365 (J)	0.01 (J)			
3/21/2017	0.0187 (J)	0.0349 (J)	0.0079 (J)			
5/22/2017	0.0782	0.0475	0.0131 (J)			
10/3/2017	0.0198 (J)	0.0386 (J)	0.0097 (J)			
6/4/2018	0.02 (J)	0.036 (J)	0.017 (J)			
10/1/2018	0.013 (J)	0.035 (J)	0.0061 (J)			
4/1/2019			0.0066 (J)			
4/2/2019	0.016 (J)	0.034 (J)				
9/23/2019	0.021 (J)	0.04 (J)	0.0081 (J)			
3/25/2020	0.025 (J)	0.039 (J)	0.0096 (J)			
6/16/2020	0.021 (J)		0.01 (J)			
9/15/2020	0.017 (J)	0.044 (J)	0.0071 (J)			
9/16/2020				0.061 (J)	0.23	
9/25/2020						0.16
11/10/2020				0.057 (J)	0.29	
11/11/2020						0.17
12/15/2020				0.052 (J)	0.31	
12/16/2020						0.16
1/19/2021				0.049 (J)	0.4	
1/20/2021						0.19
3/10/2021	0.015 (J)				0.39	
3/11/2021		0.056	0.015 (J)	0.06		
3/12/2021						0.19
8/11/2021	0.02 (J)			0.042		
8/12/2021		0.044	<0.04			
8/13/2021					0.31	0.15
2/1/2022	0.016 (J)	0.056	0.011 (J)	0.05	0.44	0.14
8/2/2022	0.012 (J)	0.047	<0.04	0.043	0.31	0.14
1/23/2023			0.012 (J)			
1/24/2023	0.015 (J)	0.046		0.037 (J)	0.44	0.14
8/8/2023	0.023 (J)	0.06	0.011 (J)	0.038 (J)	0.55	0.15
2/13/2024	0.02 (J)	0.051	<0.04	0.037 (J)	0.49	0.15
8/5/2024	0.02 (J)	0.057	<0.04			
8/6/2024				0.043	0.52	0.16
2/12/2025	0.021 (J)		0.011 (J)	0.04 (J)	0.54	
2/13/2025						0.18
2/14/2025		0.053				
8/5/2025	0.019 (J)	0.044	0.009 (J)	0.039 (J)	0.45	0.15

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	0.277					
8/31/2016		0.981	3.23	0.494		
10/20/2016	0.336					
10/26/2016		1.28		0.55		
11/7/2016			2.95			
1/13/2017			4.01			
1/25/2017	0.274					
1/27/2017		1.19		0.428		
5/25/2017	0.298	1.33		0.544		
6/3/2017			2.62			
8/11/2017	0.285			0.524		
10/2/2017		1.19	2.92			
11/15/2017	0.322	1.24	2.71	0.531		
6/5/2018	0.24	1.2	2.6	0.53		
10/2/2018	0.28	1.2		0.47		
10/5/2018			2.9			
4/2/2019	0.18	1.1				
4/3/2019			3	0.45		
6/17/2019		1.1	2.4			
6/18/2019	0.25			0.45		
10/21/2019	0.25		2.4	0.5		
10/22/2019		1				
3/24/2020	0.1			0.44		
3/25/2020		1.1	1.6			
5/22/2020					1.5	0.026 (J)
6/15/2020		1.1				
6/16/2020					1.5	0.023 (J)
8/25/2020					1.4	0.016 (J)
9/15/2020	0.22					
9/18/2020						0.041 (J)
9/21/2020		0.93			1.4	
9/28/2020			2.3	0.43		
11/11/2020						0.009 (J)
11/12/2020					1.4	
12/16/2020					1.5	0.011 (J)
1/20/2021					1.5	<0.1
3/11/2021	0.2					
3/12/2021		1.1			1.5	0.016 (J)
3/15/2021			1.9	0.4		
8/13/2021	0.19					
8/16/2021		1.1	2	0.44		
8/19/2021					1.5	0.011 (J)
2/1/2022	0.17					
2/2/2022		0.91	1.6	0.33		
2/3/2022					1.6	0.016 (J)
8/2/2022	0.18					
8/4/2022		1	1.8	0.36	1.4	0.023 (J)
1/24/2023	0.17		1.6	0.34		
1/25/2023		0.94			1.4	0.014 (J)
8/8/2023	0.18					
8/10/2023		1	1.7		1.6	
8/11/2023				0.3		0.016 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
2/13/2024	0.15					
2/14/2024					1.4	0.019 (J)
2/15/2024		1	1.2			
2/16/2024				0.31		
8/6/2024	0.15		1.4			
8/7/2024		1.1		0.34	1.5	0.021 (J)
2/13/2025	0.15					
2/14/2025				0.33 (J)		
2/15/2025		1.2	0.85		1.5	0.016 (J)
8/5/2025	0.17					
8/7/2025		1.1	1.4		1.5	0.014 (J)
8/10/2025				0.44		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	<0.0005	<0.0005	<0.0005			
7/11/2016	<0.0005	<0.0005				
7/12/2016			<0.0005			
8/30/2016	<0.0005	<0.0005	<0.0005			
10/19/2016	<0.0005	<0.0005	<0.0005			
12/6/2016	<0.0005	<0.0005	<0.0005			
1/24/2017	<0.0005	0.0001 (J)	<0.0005			
3/21/2017	<0.0005	7E-05 (J)	<0.0005			
5/22/2017	<0.0005	0.0001 (J)	<0.0005			
4/2/2018	<0.0005	<0.0005				
4/3/2018			<0.0005			
6/4/2018	<0.0005	0.00014 (J)	<0.0005			
10/1/2018	<0.0005	<0.0005	<0.0005			
3/12/2019	<0.0005	0.00013 (J)	<0.0005			
4/1/2019			<0.0005			
4/2/2019	<0.0005	0.00015 (J)				
9/23/2019	<0.0005	<0.0005 (D)	<0.0005			
3/2/2020	<0.0005	<0.0005	<0.0005			
3/25/2020	<0.0005	0.00014 (J)	<0.0005			
8/25/2020		<0.0005	<0.0005			
8/28/2020	<0.0005					
9/15/2020	<0.0005	0.00012 (J)	<0.0005			
9/16/2020				<0.0005	<0.0005	
9/25/2020						<0.0005
11/10/2020				<0.0005	<0.0005	
11/11/2020						<0.0005
12/15/2020				<0.0005	<0.0005	
12/16/2020						<0.0005
1/19/2021				<0.0005	<0.0005	
1/20/2021						<0.0005
2/8/2021	<0.0005					
2/9/2021		0.00016 (J)	<0.0005	<0.0005	<0.0005	
3/10/2021	<0.0005				<0.0005	
3/11/2021		<0.0005	<0.0005	<0.0005		
8/11/2021	<0.0005			<0.0005		
8/12/2021		0.00014 (J)	<0.0005			
8/13/2021					<0.0005	<0.0005
2/1/2022	<0.0005	0.00017 (J)	<0.0005	<0.0005	<0.0005	<0.0005
8/2/2022	<0.0005	0.00023 (J)	<0.0005	<0.0005	<0.0005	<0.0005
1/23/2023			<0.0005			
1/24/2023	<0.0005	0.00021 (J)		<0.0005	<0.0005	<0.0005
8/8/2023	<0.0005	0.00026 (J)	<0.0005	<0.0005	<0.0005	<0.0005
2/13/2024	<0.0005	0.00027 (J)	<0.0005	<0.0005	<0.0005	<0.0005
8/5/2024	<0.0005	0.00026 (J)	<0.0005			
8/6/2024				<0.0005	<0.0005	<0.0005
2/12/2025	<0.0005		<0.0005	<0.0005	<0.0005	
2/13/2025						<0.0005
2/14/2025		0.00028 (J)				
8/5/2025	<0.0005	0.00022 (J)	<0.0005	<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	<0.0005					
8/31/2016		<0.0005	<0.0005	<0.0005		
10/20/2016	<0.0005					
10/26/2016		<0.0005		<0.0005		
11/7/2016			<0.0005			
1/13/2017			<0.0005			
1/25/2017	<0.0005					
1/27/2017		<0.0005		<0.0005		
5/25/2017	<0.0005	<0.0005		<0.0005		
6/3/2017			<0.0005			
8/11/2017	<0.0005			<0.0005		
10/2/2017		<0.0005	<0.0005			
11/15/2017	<0.0005	<0.0005	<0.0005	<0.0005		
6/5/2018	<0.0005	<0.0005	<0.0005	<0.0005		
10/2/2018	<0.0005	<0.0005		<0.0005		
10/5/2018			<0.0005			
8/22/2019	<0.0005	<0.0005	<0.0005			
8/23/2019				<0.0005		
5/22/2020					<0.0005	<0.0005
6/16/2020					<0.0005	<0.0005
8/24/2020	<0.0005					
8/25/2020					<0.0005	<0.0005
8/26/2020		<0.0005	<0.0005			
8/27/2020				<0.0005		
9/18/2020						<0.0005
9/21/2020					<0.0005	
11/11/2020						<0.0005
11/12/2020					<0.0005	
12/16/2020					<0.0005	<0.0005
1/20/2021					<0.0005	<0.0005
8/13/2021	<0.0005					
8/16/2021		<0.0005	<0.0005	<0.0005		
8/19/2021					<0.0005	<0.0005
2/1/2022	<0.0005					
2/2/2022		<0.0005	<0.0005	<0.0005		
2/3/2022					<0.0005	<0.0005
8/2/2022	<0.0005					
8/4/2022		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1/24/2023	<0.0005		<0.0005	<0.0005		
1/25/2023		<0.0005			<0.0005	<0.0005
8/8/2023	<0.0005					
8/10/2023		<0.0005	<0.0005		<0.0005	
8/11/2023				<0.0005		<0.0005
2/13/2024	<0.0005					
2/14/2024					<0.0005	<0.0005
2/15/2024		<0.0005	<0.0005			
2/16/2024				<0.0005		
8/6/2024	<0.0005		<0.0005			
8/7/2024		<0.0005		<0.0005	<0.0005	<0.0005
2/13/2025	<0.0005					
2/14/2025				<0.0005		
2/15/2025		<0.0005	<0.0005		<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/5/2025	<0.0005					
8/7/2025		<0.0005	<0.0005		<0.0005	<0.0005
8/10/2025				<0.0005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	138	22.9	76.2			
7/11/2016	97.2	22.3				
7/12/2016			61.5			
8/30/2016	97.5	26.4	65.1			
10/19/2016	99.2	21.7	73.2			
12/6/2016	105	18.2	74.9			
1/24/2017	95.7	18.5	69.6			
3/21/2017	106	18.6	75.7			
5/22/2017	107	17.8	71.5			
10/3/2017	102	20.2	76.3			
6/4/2018	124	19.1	73.4			
10/1/2018	108	20.5 (J)	80.9			
4/1/2019			80.5			
4/2/2019	132	22.5 (J)				
9/23/2019	118	19.5	71			
3/25/2020	127	23	89.8			
6/16/2020	130		85.1			
9/15/2020	103	21.1	73.1			
9/16/2020				56	30	
9/25/2020						56.8
11/10/2020				63.3	33.6	
11/11/2020						54.9
12/15/2020				62.6	28.7	
12/16/2020						56.4
1/19/2021				60.1	33	
1/20/2021						55
3/10/2021	111				12.1 (D)	
3/11/2021		43.8	83.8	59.6		
3/12/2021						56.5
8/11/2021	113			61		
8/12/2021		21.9	84			
8/13/2021					28.9	53
2/1/2022	106	27.2	85.1	55.9	24.8	51.3
8/2/2022	117	31.2	84.6	54.1	20.9	49.9
1/23/2023			85			
1/24/2023	117	29.4		56.6	13.2	53.9
8/8/2023	118	30.7	78.3	52.8	8.1	48.1
2/13/2024	116	38.8	83.6	53.3	9.9	50.7
8/5/2024	113	34.7	83.3			
8/6/2024				57.2	7.1	53.3
2/12/2025	125		86.6	61.8	7.2	
2/13/2025						55.9
2/14/2025		51.5				
8/5/2025	113	24.1	72.6	55.2	6	46.4

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	71.3					
8/31/2016		152	178	90.4		
10/20/2016	90.3					
10/26/2016		156		94.5		
11/7/2016			170			
1/13/2017			192			
1/25/2017	77.3					
1/27/2017		157		84.2		
5/25/2017	69.9	173		100		
6/3/2017			172			
8/11/2017	79.5			99.1		
10/2/2017		168	195			
11/15/2017	72.8	182	184	103		
6/5/2018	71.4	161	195	103		
10/2/2018	66.6	174		100		
10/5/2018			181			
4/2/2019	60.9	150				
4/3/2019			184	96.7		
6/17/2019		164	173			
6/18/2019	75			97.1		
10/21/2019	80.8		173	96.9		
10/22/2019		171				
3/24/2020	81.2			104		
3/25/2020		170	139			
5/22/2020					140	112
6/15/2020		175				
6/16/2020					178	131
8/25/2020					186	130
9/15/2020	75.8					
9/18/2020						119
9/21/2020		152			155	
9/28/2020			167	107		
11/11/2020						133
11/12/2020					165	
12/16/2020					194	132
1/20/2021					177	131
3/11/2021	60.4					
3/12/2021		174			165	138
3/15/2021			167	103		
8/13/2021	62.9					
8/16/2021		171	162	106		
8/19/2021					196	139
2/1/2022	57.5					
2/2/2022		159	148	95.9		
2/3/2022					175	157
8/2/2022	69.5					
8/4/2022		173	160	103	170	141
1/24/2023	63.3		156	96.2		
1/25/2023		161			174	132
8/8/2023	64.4					
8/10/2023		171	149		173	
8/11/2023				97.8		131

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
2/13/2024	61.9					
2/14/2024					180	137
2/15/2024		165	143			
2/16/2024				89.2		
8/6/2024	73.7		152			
8/7/2024		154		97.7	159	136
2/13/2025	68.8					
2/14/2025				95.1		
2/15/2025		162	125		169	143
8/5/2025	58.2					
8/7/2025		152	136		156	126
8/10/2025				101		

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	9.94	6.14	5.93			
7/11/2016	6.3	5.9				
7/12/2016			6.2			
8/30/2016	6	6.2	6.4			
10/19/2016	5.8	6.1	6.5			
12/6/2016	5.4	6	7.2			
1/24/2017	5.2	6.1	6.4			
3/21/2017	4.6	5.9	7.5			
5/22/2017	4.6	5.9	6.5			
10/3/2017	5.6	6.3	6.5			
6/4/2018	13.1	6.1	6.3			
10/1/2018	6.6	6.4	6.4			
4/1/2019			6.5			
4/2/2019	20.3	5.8				
9/23/2019	17.7	5.1	5.9			
3/25/2020	20.4	5.2	6.1			
6/16/2020	41.1		5.8			
9/15/2020	13.4	5	6			
9/16/2020				4.1	5.65 (D)	
9/25/2020						3.6
11/10/2020				4.4	7.8	
11/11/2020						3.3
12/15/2020				4.7	9.4	
12/16/2020						3.4
1/19/2021				4.1	9.5	
1/20/2021						3.5
3/10/2021	7.4				12.3	
3/11/2021		5.1	5.9	4.5		
3/12/2021						3.3
8/11/2021	9.6			3.5		
8/12/2021		5.2	4.8			
8/13/2021					39.9	3.3
2/1/2022	7.5	7	5.7	4.1	44.8	3.5
8/2/2022	14.1	7.8	5.9	4.3	19.8	3.9
1/23/2023			5.6			
1/24/2023	9	7.1		4.3	24.9	3.5
8/8/2023	26	6.6	5.3	3.5	27	3.6
2/13/2024	10	6.3	5.3	3.9	27.7	3.4
8/5/2024	8.7	7.9	5.2			
8/6/2024				4	30.2	3.6
2/12/2025	4.8		5	3.8	30.7	
2/13/2025						3.2
2/14/2025		8.5				
8/5/2025	17.2	9.6	5.5	4	29.7	3.8

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	2.8					
8/31/2016		3.5	64	3		
10/20/2016	2.8					
10/26/2016		3.6		3.6		
11/7/2016			65			
1/13/2017			50			
1/25/2017	2.8					
1/27/2017		3.3		4		
5/25/2017	2.9	3.4		3.5		
6/3/2017			43			
8/11/2017	3			2.9		
10/2/2017		4.2	42			
11/15/2017	3.1	2.9	46	3.1		
6/5/2018	3	3.1	40.4	3.1		
10/2/2018	3.1	3.2		3.4		
10/5/2018			39			
4/2/2019	3.6	3.1				
4/3/2019			35.9	3.4		
6/17/2019			32.9			
6/18/2019	3.2			2.3 (J)		
10/21/2019	4.5		29.9	3.6		
10/22/2019		3.4				
3/24/2020	4.5			2.7		
3/25/2020		2.4	16.3			
5/22/2020					12.9	8.6
6/15/2020		2.3				
6/16/2020					10.4	8.6
8/25/2020					10.6	8.7
9/15/2020	3.6					
9/18/2020						8.4
9/21/2020		2.4			12.1	
9/28/2020			23.2	2.5		
11/11/2020						8.3
11/12/2020					10.4	
12/16/2020					5.3	8.9
1/20/2021					10.2	8.5
3/11/2021	2.3					
3/12/2021		2.4			10.8	8.5
3/15/2021			21.8	2.9		
8/13/2021	2.6					
8/16/2021		2.4	18	2.6		
8/19/2021					4.5	7.8
2/1/2022	2.2					
2/2/2022		2.5	16.8	2.6		
2/3/2022					8.1	8.5
8/2/2022	2.7					
8/4/2022		2.7	15.4	2.6	11.6	8.7
1/24/2023	2.4		14.6	2.5		
1/25/2023		2.6			8.7	8.7
8/8/2023	2.2					
8/10/2023		2.6	12.2		9	
8/11/2023				2.1		8.1

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
2/13/2024	2.4					
2/14/2024					3.5	8.4
2/15/2024		2.5	9.4			
2/16/2024				2.2		
8/6/2024	2.1		11.6			
8/7/2024		2.6		2.2	9.7	8.7
2/13/2025	1.6					
2/14/2025				2.1		
2/15/2025		2.7	5.6		3.6	8.8
8/5/2025	1.8					
8/7/2025		2.5	9.3		8.5	8.8
8/10/2025				2.4		

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	<0.005	<0.005	<0.005			
7/11/2016	<0.005	<0.005				
7/12/2016			<0.005			
8/30/2016	<0.005	<0.005	<0.005			
10/19/2016	<0.005	<0.005	<0.005			
12/6/2016	<0.005	<0.005	<0.005			
1/24/2017	<0.005	<0.005	<0.005			
3/21/2017	0.0005 (J)	<0.005	<0.005			
5/22/2017	<0.005	<0.005	0.0007 (J)			
4/2/2018	<0.005	<0.005				
4/3/2018			<0.005			
3/12/2019	<0.005	<0.005	<0.005			
4/1/2019			<0.005			
4/2/2019	<0.005	0.0079 (J)				
9/23/2019	<0.005	0.00058 (J)	<0.005			
3/2/2020	<0.005	0.00041 (J)	<0.005			
3/25/2020	0.00072 (J)	<0.005	<0.005			
8/25/2020		0.00067 (J)	<0.005			
8/28/2020	<0.005					
9/15/2020	<0.005	<0.005	<0.005			
9/16/2020				<0.005	0.0012 (J)	
9/25/2020						<0.005
11/10/2020				<0.005	0.00089 (J)	
11/11/2020						<0.005
12/15/2020				<0.005	0.00072 (J)	
12/16/2020						<0.005
1/19/2021				<0.005	0.0011 (J)	
1/20/2021						0.00067 (J)
2/8/2021	<0.005					
2/9/2021		<0.005	<0.005	0.00095 (J)	0.00066 (J)	
3/10/2021	<0.005				<0.005	
3/11/2021		<0.005	<0.005	<0.005		
3/12/2021						<0.005
8/11/2021	<0.005			<0.005		
8/12/2021		<0.005	<0.005			
8/13/2021					0.0016 (J)	<0.005
2/1/2022	<0.005	<0.005	<0.005	<0.005	0.0013 (J)	<0.005
8/2/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1/23/2023			<0.005			
1/24/2023	<0.005	<0.005		<0.005	<0.005	<0.005
8/8/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/13/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/5/2024	<0.005	<0.005	<0.005			
8/6/2024				<0.005	<0.005	<0.005
2/12/2025	<0.005		<0.005	<0.005	<0.005	
2/13/2025						<0.005
2/14/2025		<0.005				
8/5/2025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	<0.005					
8/31/2016		<0.005	<0.005	<0.005		
10/20/2016	<0.005					
10/26/2016		<0.005		<0.005		
11/7/2016			<0.005			
1/13/2017			<0.005			
1/25/2017	<0.005					
1/27/2017		<0.005		<0.005		
5/25/2017	0.0006 (J)	<0.005		<0.005		
6/3/2017			<0.005			
8/11/2017	0.0007 (J)			<0.005		
10/2/2017		<0.005	<0.005			
11/15/2017	0.0006 (J)	<0.005	<0.005	<0.005		
6/5/2018	<0.005	<0.005	<0.005	<0.005		
10/2/2018	<0.005	<0.005		<0.005		
10/5/2018			<0.005			
8/22/2019	0.0006 (J)	0.00072 (J)	<0.005			
8/23/2019				<0.005		
10/21/2019	0.00068 (J)		<0.005	0.00046 (J)		
10/22/2019		<0.005				
3/24/2020	0.0013 (J)			0.00051 (J)		
3/25/2020		0.0015 (J)	0.0005 (J)			
5/22/2020					0.00058 (J)	<0.005
6/16/2020					0.00052 (J)	<0.005
8/24/2020	0.00093 (J)					
8/25/2020					<0.005	0.00096 (J)
8/26/2020		<0.005	<0.005			
8/27/2020				<0.005		
9/15/2020	0.00067 (J)					
9/18/2020						<0.005
9/21/2020		0.00065 (J)			<0.005	
9/28/2020			<0.005	<0.005		
11/11/2020						<0.005
11/12/2020					<0.005	
12/16/2020					<0.005	<0.005
1/20/2021					0.00081 (J)	<0.005
3/11/2021	0.0017 (J)					
3/12/2021		<0.005			<0.005	<0.005
3/15/2021			<0.005	<0.005		
8/13/2021	<0.005					
8/16/2021		<0.005	<0.005	<0.005		
8/19/2021					<0.005	<0.005
2/1/2022	<0.005					
2/2/2022		<0.005	<0.005	<0.005		
2/3/2022					<0.005	<0.005
8/2/2022	<0.005					
8/4/2022		<0.005	<0.005	<0.005	<0.005	<0.005
1/24/2023	<0.005		<0.005	<0.005		
1/25/2023		<0.005			<0.005	0.0014 (J)
8/8/2023	<0.005					
8/10/2023		<0.005	<0.005		<0.005	
8/11/2023				<0.005		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
2/13/2024	<0.005					
2/14/2024					<0.005	<0.005
2/15/2024		<0.005	<0.005			
2/16/2024				<0.005		
8/6/2024	<0.005		<0.005			
8/7/2024		<0.005		<0.005	<0.005	<0.005
2/13/2025	<0.005					
2/14/2025				<0.005		
2/15/2025		<0.005	<0.005		<0.005	<0.005
8/5/2025	<0.005					
8/7/2025		<0.005	<0.005		<0.005	<0.005
8/10/2025				<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	<0.005	0.0293	<0.005			
7/11/2016	0.0004 (J)	0.0267				
7/12/2016			<0.005			
8/30/2016	<0.005	0.028	<0.005			
10/19/2016	<0.005	0.0201	<0.005			
12/6/2016	<0.005	0.0184	<0.005			
1/24/2017	<0.005	0.0206	<0.005			
3/21/2017	<0.005	0.0251	<0.005			
5/22/2017	<0.005	0.0263	<0.005			
4/2/2018	<0.005	0.019				
4/3/2018			<0.005			
6/4/2018	<0.005	0.025	<0.005			
10/1/2018	<0.005	0.026	<0.005			
3/12/2019	<0.005	0.017	<0.005			
4/1/2019			<0.005			
4/2/2019	<0.005	0.019				
9/23/2019	<0.005	0.038	<0.005			
3/2/2020	<0.005	0.019	<0.005			
3/25/2020	<0.005	0.02	<0.005			
8/25/2020		0.018	<0.005			
8/28/2020	<0.005					
9/15/2020	<0.005	0.021	<0.005			
9/16/2020				<0.005	<0.005	
9/25/2020						<0.005
11/10/2020				<0.005	<0.005	
11/11/2020						<0.005
12/15/2020				<0.005	<0.005	
12/16/2020						<0.005
1/19/2021				<0.005	<0.005	
1/20/2021						<0.005
2/8/2021	<0.005					
2/9/2021		0.02	<0.005	<0.005	<0.005	
3/10/2021	<0.005				<0.005	
3/11/2021		0.013	<0.005	<0.005		
3/12/2021						<0.005
8/11/2021	<0.005			<0.005		
8/12/2021		0.022	<0.005			
8/13/2021					<0.005	<0.005
2/1/2022	<0.005	0.025	<0.005	<0.005	<0.005	<0.005
8/2/2022	0.00054 (J)	0.024	<0.005	<0.005	<0.005	<0.005
1/23/2023			<0.005			
1/24/2023	<0.005	0.024		<0.005	<0.005	<0.005
8/8/2023	0.0008 (J)	0.029	<0.005	<0.005	<0.005	<0.005
2/13/2024	<0.005	0.022	<0.005	<0.005	<0.005	<0.005
8/5/2024	0.00055 (J)	0.032	<0.005			
8/6/2024				<0.005	<0.005	<0.005
2/12/2025	<0.005		<0.005	<0.005	<0.005	
2/13/2025						<0.005
2/14/2025		0.03				
8/5/2025	<0.005	0.03	<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	<0.005					
8/31/2016		0.0052 (J)	<0.005	<0.005		
10/20/2016	<0.005					
10/26/2016		0.0041 (J)		<0.005		
11/7/2016			<0.005			
1/13/2017			<0.005			
1/25/2017	<0.005					
1/27/2017		0.0034 (J)		<0.005		
5/25/2017	<0.005	0.0035 (J)		<0.005		
6/3/2017			0.0005 (J)			
8/11/2017	<0.005			<0.005		
10/2/2017		0.0036 (J)	0.0003 (J)			
11/15/2017	<0.005	0.0032 (J)	0.0003 (J)	<0.005		
6/5/2018	<0.005	0.0031 (J)	<0.005	<0.005		
10/2/2018	<0.005	0.0025 (J)		<0.005		
10/5/2018			<0.005			
8/22/2019	<0.005	0.0028 (J)	<0.005			
8/23/2019				<0.005		
10/21/2019	<0.005		<0.005	<0.005		
10/22/2019		0.0031 (J)				
3/24/2020	<0.005			<0.005		
3/25/2020		0.0036 (J)	<0.005			
5/22/2020					0.01	<0.005
6/16/2020					0.0096	<0.005
8/24/2020	<0.005					
8/25/2020					0.0087	<0.005
8/26/2020		0.0023 (J)	<0.005			
8/27/2020				<0.005		
9/15/2020	<0.005					
9/18/2020						<0.005
9/21/2020		0.0041 (J)			0.012	
9/28/2020			<0.005	<0.005		
11/11/2020						<0.005
11/12/2020					0.012	
12/16/2020					0.0055	<0.005
1/20/2021					0.012	<0.005
3/11/2021	<0.005					
3/12/2021		0.0027 (J)			0.014	<0.005
3/15/2021			<0.005	<0.005		
8/13/2021	<0.005					
8/16/2021		0.0037 (J)	<0.005	<0.005		
8/19/2021					0.0054	<0.005
2/1/2022	<0.005					
2/2/2022		0.0072	<0.005	<0.005		
2/3/2022					0.0086	<0.005
8/2/2022	<0.005					
8/4/2022		0.0058	<0.005	<0.005	0.014	<0.005
1/24/2023	<0.005		<0.005	<0.005		
1/25/2023		0.0055			0.0097	<0.005
8/8/2023	<0.005					
8/10/2023		0.0048 (J)	<0.005		0.012	
8/11/2023				<0.005		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
2/13/2024	<0.005					
2/14/2024					0.004 (J)	<0.005
2/15/2024		0.005 (J)	<0.005			
2/16/2024				<0.005		
8/6/2024	<0.005		<0.005			
8/7/2024		0.0064		<0.005	0.012	<0.005
2/13/2025	<0.005					
2/14/2025				<0.005		
2/15/2025		0.0046 (J)	<0.005		0.003 (J)	<0.005
8/5/2025	<0.005					
8/7/2025		0.0067	<0.005		0.011	<0.005
8/10/2025				<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	0.397	0.627	0.342			
7/11/2016	0.738	1.38				
7/12/2016			0.499			
8/30/2016	0.581	1.05	0.976			
10/19/2016	0.213	1.11	0.626			
12/6/2016	0.444	0.741	0.805			
1/24/2017	0.373	0.908	0.336			
3/21/2017	0.816	0.567	0.358			
5/22/2017	0.554 (U)	0.638 (U)	0.744 (U)			
4/2/2018	0.405	0.761				
4/3/2018			0.684			
6/4/2018	1.13 (U)	0.975 (U)	0.0291 (U)			
10/1/2018	0.132 (U)	0.434 (U)	0.781 (U)			
3/12/2019	0.327 (U)	0.454 (U)	1.01 (U)			
4/1/2019			0.76 (U)			
4/2/2019	0.739 (U)	0.651 (U)				
9/30/2019	0.306 (U)	1.04 (U)	0.384 (U)			
3/2/2020	0.61 (U)	1.58	0.249 (U)			
3/25/2020	4.36	0.621 (U)	0.833 (U)			
8/25/2020		0.778 (U)	0.33 (U)			
8/28/2020	0 (U)					
9/15/2020	0.748 (U)	0.124 (U)	0.161 (U)			
9/16/2020				0.531 (U)	0.422 (U)	
9/25/2020						1.07 (U)
11/10/2020				0.788 (U)	0.293 (U)	
11/11/2020						0.49 (U)
12/15/2020				1.04 (U)	0.7 (U)	
12/16/2020						0.963 (U)
1/19/2021				0.685 (U)	0.79 (U)	
1/20/2021						0.682 (U)
2/8/2021	0.223 (U)					
2/9/2021		0.721 (UD)	0.447 (U)	0.138 (UD)	0.486 (U)	
3/10/2021	0 (U)				0.811 (U)	
3/11/2021		0.737 (U)	0.128 (U)	1.51 (U)		
3/12/2021						0.967 (U)
8/11/2021	0.115 (U)			0.394 (U)		
8/12/2021		0.746 (U)	0.4435 (UD)			
8/13/2021					1.0795 (UD)	1.2
2/1/2022	0.143 (U)	0.588 (U)	0.266 (U)	1.12	0.665 (U)	0.895
8/2/2022	0.203 (U)	0.861 (U)	0.4 (U)	0.662 (U)	0.952 (U)	0.509 (U)
1/23/2023			0.311 (U)			
1/24/2023	0.549 (U)	0.829 (U)		1.25	0.421 (U)	0.743 (U)
8/8/2023	0.195 (U)	0.175 (U)	0.411 (U)	0.503 (U)	0.163 (U)	1.54
2/13/2024	0.194 (U)	0.325 (U)	0.213 (U)	0.86 (U)	0.909	3.15
8/5/2024	0.64 (U)	1.27	0.371 (U)			
8/6/2024				0.674 (U)	0.529 (U)	1.76
2/12/2025	0.624 (U)			0.624 (U)	0.622 (U)	
2/13/2025						0.871 (U)
2/14/2025		1.2 (U)	0.606 (U)			
8/5/2025	0.226 (U)	0.278 (U)	0.125 (U)	0.994 (U)	0.255 (U)	1.15 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	0.972					
8/31/2016		1.47	1.57	1.22		
10/20/2016	0.496 (U)					
10/26/2016		0.864 (U)		0.637 (U)		
11/7/2016			0.739 (U)			
1/13/2017			0.744 (U)			
1/25/2017	1.13 (U)					
1/27/2017		0.521 (U)		0.795 (U)		
5/25/2017	0.192	0.681		0.896		
6/3/2017			0 (U)			
8/11/2017	0.908 (U)			0.828 (U)		
10/2/2017		0.632 (U)	0.68 (U)			
11/15/2017	0.662 (U)	1.3	0.911 (U)	0.478 (U)		
6/5/2018	0.593 (U)	1.26	0.948 (U)	0.947 (U)		
10/2/2018	1.37	0.572 (U)		0.617 (U)		
10/5/2018			1.17 (U)			
8/22/2019	1.19 (U)	1.35	1.3			
8/23/2019				0.834		
10/21/2019	0.772 (U)		0.393 (U)	1.11 (U)		
10/22/2019		0.76 (U)				
3/24/2020	0.379 (U)			0.796 (U)		
3/25/2020		0.696 (U)	0.505 (U)			
5/22/2020					1.1 (U)	1.82
6/16/2020					1.62	1.82
8/24/2020	0.883 (U)					
8/25/2020					1.65	1.82
8/26/2020		0.357 (U)	1.96			
8/27/2020				0.494 (U)		
9/15/2020	0.375 (U)					
9/18/2020						0.841 (U)
9/21/2020		0.553 (U)			1.45	
9/28/2020			0.761 (U)	0.477 (U)		
11/11/2020						0.837 (U)
11/12/2020					0.633 (U)	
12/16/2020					0.818 (U)	1.26 (U)
1/20/2021					1.01 (U)	0.985 (U)
3/11/2021	0.87 (U)					
3/12/2021		0.711 (U)			0.828 (U)	1.86
3/15/2021			0.985 (U)	0.74 (U)		
8/13/2021	0.914 (U)					
8/16/2021		1.25	0.192 (U)	0.734 (U)		
8/19/2021					0.721 (U)	1.11
2/1/2022	0.276 (U)					
2/2/2022		0.816 (U)	0.254 (U)	0.564 (U)		
2/3/2022					0.257 (U)	1.51
8/2/2022	0.573 (U)					
8/4/2022		0.687 (U)	1.16 (U)	0.16 (U)	0.971 (U)	1.34 (U)
1/24/2023	0.442 (U)		0.757 (U)	0.601 (U)		
1/25/2023		0.992			1.11	1.91
8/8/2023	0.892 (U)					
8/10/2023		0.682 (U)	0.585 (U)		0.953 (U)	
8/11/2023				0.449 (U)		1.34

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
2/14/2024					0.275 (U)	1.01 (U)
2/15/2024		0.669 (U)	0.0885 (U)			
2/16/2024				0.448 (U)		
5/3/2024	0.636 (U)					
8/6/2024	0.661 (U)		1.27			
8/7/2024		0.679 (U)		0.422 (U)	0.603 (U)	0.662 (U)
2/13/2025	0.662 (U)					
2/14/2025				0.102 (U)		
2/15/2025		0.506 (U)	0.874 (U)		1.29 (U)	1.21 (U)
8/5/2025	0.507 (U)					
8/7/2025		0.838 (U)	0.918 (U)		1.31 (U)	1.74
8/10/2025				0.683 (U)		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	0.105 (J)	0.0303 (J)	0.0513 (J)			
7/11/2016	0.16 (J)	0.05 (J)				
7/12/2016			0.12 (J)			
8/30/2016	0.09 (J)	0.06 (J)	0.09 (J)			
10/19/2016	0.1 (J)	0.04 (J)	0.1 (J)			
12/6/2016	0.11 (J)	0.36	0.21 (J)			
1/24/2017	0.09 (J)	<0.1	0.06 (J)			
3/21/2017	0.13 (J)	<0.1	0.005 (J)			
5/22/2017	0.12 (J)	<0.1	0.05 (J)			
10/3/2017	0.13 (J)	<0.1	0.13 (J)			
4/2/2018	<0.3	<0.1				
4/3/2018			<0.1			
6/4/2018	0.074 (J)	<0.1	<0.1			
10/1/2018	<0.3	<0.1	<0.1			
3/12/2019	0.29 (J)	0.038 (J)	0.072 (J)			
4/1/2019			0.029 (J)			
4/2/2019	0.1 (J)	0.071 (J)				
9/23/2019	0.078 (J)	<0.1	<0.1			
3/2/2020	0.076 (J)	<0.1	<0.1			
3/25/2020	0.098 (J)	<0.1	<0.1			
6/16/2020	0.071 (J)		<0.1			
8/25/2020		<0.1	<0.1			
8/28/2020	0.08 (J)					
9/15/2020	0.082 (J)	<0.1	<0.1			
9/16/2020				0.22	0.37 (D)	
9/25/2020						0.21
11/10/2020				0.19	0.59	
11/11/2020						0.19
12/15/2020				0.21	0.67	
12/16/2020						0.18
1/19/2021				0.16	0.74	
1/20/2021						0.22
2/8/2021	0.078 (J)					
2/9/2021		<0.1	0.074 (J)	0.19	0.44	
3/10/2021	0.079 (J)				0.65	
3/11/2021		0.1	<0.1	0.2		
3/12/2021						0.2
8/11/2021	0.058 (J)			0.15		
8/12/2021		<0.1	<0.1			
8/13/2021					0.87	0.2
2/1/2022	0.064 (J)	<0.1	<0.1	0.19	0.96	0.15
8/2/2022	0.09 (J)	0.053 (J)	0.067 (J)	0.22	0.8	0.21
1/23/2023			0.061 (J)			
1/24/2023	0.089 (J)	0.053 (J)		0.23	1.3	0.19
8/8/2023	0.088 (J)	0.07 (J)	0.055 (J)	0.18	1.3	0.19
2/13/2024	0.071 (J)	0.17	<0.1	0.2	1.5	0.17
8/5/2024	0.11	0.12	0.077 (J)			
8/6/2024				0.21	1.3	0.2
2/12/2025	0.1		0.073 (J)	0.21	1.1	
2/13/2025						0.22
2/14/2025		0.1				
8/5/2025	0.055 (J)	<0.1	<0.1	0.16	0.87	0.19

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	0.19 (J)					
8/31/2016		0.65	0.14 (J)	0.15 (J)		
10/20/2016	0.13 (J)					
10/26/2016		0.6		0.3		
11/7/2016			0.18 (J)			
1/13/2017			0.14 (J)			
1/25/2017	0.22 (J)					
1/27/2017		1.2		0.3		
5/25/2017	0.12 (J)	1.4		0.05 (J)		
6/3/2017			0.15 (J)			
8/11/2017	0.12 (J)			0.1 (J)		
10/2/2017		1	1.2			
11/15/2017	0.05 (J)	1.3	0.6	<0.1		
6/5/2018	0.15 (J)	0.48	0.19 (J)	0.078 (J)		
10/2/2018	0.22 (J)	0.34		0.078 (J)		
10/5/2018			0.23 (J)			
4/2/2019	0.2 (J)	0.47				
4/3/2019			0.14 (J)	0.089 (J)		
6/17/2019		1.2				
6/18/2019	0.14 (J)					
8/22/2019	0.12 (J)	0.3 (J)	0.2 (J)			
8/23/2019				0.11 (J)		
10/21/2019	0.15 (J)		0.18 (J)	0.073 (J)		
10/22/2019		0.53				
3/24/2020	0.085 (J)			<0.1		
3/25/2020		0.43	0.095 (J)			
5/22/2020					0.1 (J)	0.46
6/15/2020		0.37				
6/16/2020					0.12	0.44
8/24/2020	0.075 (J)					
8/25/2020					0.16	0.52
8/26/2020		0.48	0.16			
8/27/2020				<0.1		
9/15/2020	0.096 (J)					
9/18/2020						0.43
9/21/2020		0.33			0.11	
9/28/2020			0.15	<0.1		
11/11/2020						0.45
11/12/2020					0.12	
12/16/2020					0.2	0.49
1/20/2021					0.13	0.44
3/11/2021	0.059 (J)					
3/12/2021		0.42			0.12	0.46
3/15/2021			0.16	<0.1		
8/13/2021	0.065 (J)					
8/16/2021		0.39	0.15	<0.1		
8/19/2021					0.17	0.43
2/1/2022	0.062 (J)					
2/2/2022		0.36	0.15	<0.1		
2/3/2022					0.18	0.51
8/2/2022	0.1					
8/4/2022		0.38	0.18	0.074 (J)	0.15	0.5

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
1/24/2023	0.13		0.18	0.068 (J)		
1/25/2023		0.42			0.17	0.57
8/8/2023	0.091 (J)					
8/10/2023		0.36	0.18		0.15	
8/11/2023				<0.1		0.49
2/13/2024	0.081 (J)					
2/14/2024					0.2	0.49
2/15/2024		0.35	0.18			
2/16/2024				<0.1		
8/6/2024	0.14		0.2			
8/7/2024		0.34		<0.1	0.12	0.5
2/13/2025	0.12					
2/14/2025				<0.1		
2/15/2025		0.34	0.18		0.19	0.49
8/5/2025	0.092 (J)					
8/7/2025		0.44	0.23		0.19	0.62
8/10/2025				0.066 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	<0.001	<0.001	<0.001			
7/11/2016	<0.001	<0.001				
7/12/2016			0.0001 (J)			
8/30/2016	<0.001	<0.001	<0.001			
10/19/2016	<0.001	<0.001	<0.001			
12/6/2016	<0.001	<0.001	<0.001			
1/24/2017	<0.001	<0.001	<0.001			
3/21/2017	<0.001	6E-05 (J)	0.0001 (J)			
5/22/2017	<0.001	9E-05 (J)	<0.001			
4/2/2018	<0.001	<0.001				
4/3/2018			<0.001			
3/12/2019	<0.001	<0.001	<0.001			
4/1/2019			<0.001			
4/2/2019	<0.001	<0.001				
9/23/2019	7.8E-05 (J)	9.2E-05 (J)	<0.001			
3/2/2020	4.8E-05 (J)	9.5E-05 (J)	<0.001			
3/25/2020	<0.001	0.00011 (J)	<0.001			
8/25/2020		8.5E-05 (J)	<0.001			
8/28/2020	7E-05 (J)					
9/15/2020	<0.001	8E-05 (J)	4.2E-05 (J)			
9/16/2020				5E-05 (J)	0.00021 (J)	
9/25/2020						<0.001
11/10/2020				6.9E-05 (J)	0.0002 (J)	
11/11/2020						4E-05 (J)
12/15/2020				8.2E-05 (J)	0.00011 (J)	
12/16/2020						5.8E-05 (J)
1/19/2021				4.4E-05 (J)	0.00019 (J)	
1/20/2021						8.2E-05 (J)
2/8/2021	5.8E-05 (J)					
2/9/2021		9.4E-05 (J)	<0.001	0.00029 (J)	0.0001 (J)	
3/10/2021	<0.001				<0.001	
3/11/2021		7.6E-05 (J)	<0.001	9.4E-05 (J)		
3/12/2021						5.5E-05 (J)
8/11/2021	<0.001			<0.001		
8/12/2021		<0.001	<0.001			
8/13/2021					<0.001	<0.001
2/1/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/2/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1/23/2023			<0.001			
1/24/2023	<0.001	<0.001		<0.001	<0.001	<0.001
8/8/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/13/2024	<0.001	0.00018 (J)	<0.001	<0.001	<0.001	<0.001
8/5/2024	<0.001	<0.001	<0.001			
8/6/2024				<0.001	<0.001	<0.001
2/12/2025	<0.001		<0.001	<0.001	<0.001	
2/13/2025						<0.001
2/14/2025		<0.001				
8/5/2025	<0.001	<0.001	0.0003 (J)	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	<0.001					
8/31/2016		<0.001	<0.001	<0.001		
10/20/2016	<0.001					
10/26/2016		0.0002 (J)		<0.001		
11/7/2016			<0.001			
1/13/2017			<0.001			
1/25/2017	<0.001					
1/27/2017		<0.001		<0.001		
5/25/2017	<0.001	9E-05 (J)		<0.001		
6/3/2017			7E-05 (J)			
8/11/2017	0.0001 (J)			8E-05 (J)		
10/2/2017		8E-05 (J)	<0.001			
11/15/2017	0.0002 (J)	<0.001	<0.001	<0.001		
6/5/2018	<0.001	<0.001	0.00036 (J)	<0.001		
10/2/2018	<0.001	<0.001		<0.001		
10/5/2018			<0.001			
8/22/2019	<0.001	<0.001	<0.001			
8/23/2019				4.9E-05 (J)		
10/21/2019	9.7E-05 (J)		<0.001	4.9E-05 (J)		
10/22/2019		<0.001				
3/24/2020	0.00012 (J)			9.4E-05 (J)		
3/25/2020		<0.001	<0.001			
5/22/2020					0.00014 (J)	<0.001
6/16/2020					0.00013 (J)	<0.001
8/24/2020	7.7E-05 (J)					
8/25/2020					<0.001	4.5E-05 (J)
8/26/2020		<0.001	<0.001			
8/27/2020				<0.001		
9/15/2020	4.3E-05 (J)					
9/18/2020						<0.001
9/21/2020		<0.001			<0.001	
9/28/2020			<0.001	7.5E-05 (J)		
11/11/2020						4.2E-05 (J)
11/12/2020					4.7E-05 (J)	
12/16/2020					<0.001	<0.001
1/20/2021					9.2E-05 (J)	<0.001
3/11/2021	9.3E-05 (J)					
3/12/2021		<0.001			4.4E-05 (J)	4.6E-05 (J)
3/15/2021			0.00015 (J)	<0.001		
8/13/2021	<0.001					
8/16/2021		<0.001	<0.001	<0.001		
8/19/2021					<0.001	<0.001
2/1/2022	<0.001					
2/2/2022		<0.001	<0.001	<0.001		
2/3/2022					<0.001	<0.001
8/2/2022	<0.001					
8/4/2022		<0.001	<0.001	<0.001	<0.001	<0.001
1/24/2023	<0.001		<0.001	<0.001		
1/25/2023		<0.001			<0.001	<0.001
8/8/2023	<0.001					
8/10/2023		<0.001	<0.001		<0.001	
8/11/2023				<0.001		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
2/13/2024	<0.001					
2/14/2024					<0.001	<0.001
2/15/2024		<0.001	<0.001			
2/16/2024				<0.001		
8/6/2024	<0.001		<0.001			
8/7/2024		<0.001		<0.001	<0.001	<0.001
2/13/2025	<0.001					
2/14/2025				<0.001		
2/15/2025		<0.001	<0.001		<0.001	<0.001
8/5/2025	<0.001					
8/7/2025		<0.001	<0.001		<0.001	<0.001
8/10/2025				<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	<0.002	<0.002	<0.002			
7/11/2016	<0.002	0.0014 (J)				
7/12/2016			0.0024 (J)			
8/30/2016	<0.002	<0.002	0.0025 (J)			
10/19/2016	<0.002	<0.002	0.003 (J)			
12/6/2016	<0.002	<0.002	0.0033 (J)			
1/24/2017	<0.002	<0.002	0.003 (J)			
3/21/2017	<0.002	0.0012 (J)	0.0034 (J)			
5/22/2017	<0.002	<0.002	0.003 (J)			
4/2/2018	<0.002	0.0015 (J)				
4/3/2018			0.003 (J)			
6/4/2018	0.001 (J)	0.0016 (J)	0.0027 (J)			
10/1/2018	0.00099 (J)	0.0013 (J)	0.0032 (J)			
3/12/2019	0.001 (J)	0.0018 (J)	0.0032 (J)			
4/1/2019			0.0032 (J)			
4/2/2019	0.001 (J)	0.0018 (J)				
9/23/2019	0.0011 (J)	0.0016 (J)	0.0029 (J)			
3/2/2020	0.0012 (J)	0.0017 (J)	0.0037 (J)			
3/25/2020	0.00083 (J)	0.0017 (J)	0.0035 (J)			
8/25/2020		0.0015 (J)	0.0027 (J)			
8/28/2020	0.00087 (J)					
9/15/2020	0.00087 (J)	0.0015 (J)	0.0026 (J)			
9/16/2020				0.0018 (J)	0.014 (J)	
9/25/2020						0.0049 (J)
11/10/2020				0.0013 (J)	0.025 (J)	
11/11/2020						0.0032 (J)
12/15/2020				0.0019 (J)	0.028 (J)	
12/16/2020						0.0045 (J)
1/19/2021				0.0025 (J)	0.034	
1/20/2021						0.0025 (J)
2/8/2021	0.00086 (J)					
2/9/2021		0.0012 (J)	0.0032 (J)	0.0026 (J)	0.026 (J)	
3/10/2021	0.0009 (J)				0.03	
3/11/2021		0.0011 (J)	0.0035 (J)	0.0022 (J)		
3/12/2021						0.005 (J)
8/11/2021	0.00078 (J)			0.0024 (J)		
8/12/2021		0.0012 (J)	0.0028 (J)			
8/13/2021					0.032	0.0044 (J)
2/1/2022	0.0011 (J)	0.0017 (J)	0.0037 (J)	0.0024 (J)	0.048	0.0055 (J)
8/2/2022	<0.002	0.0013 (J)	0.003 (J)	0.0019 (J)	0.041	0.0045 (J)
1/23/2023			0.003 (J)			
1/24/2023	0.00092 (J)	0.0014 (J)		0.002 (J)	0.064	0.0044 (J)
8/8/2023	<0.002	0.0017 (J)	0.0031 (J)	0.0021 (J)	0.092	0.0049 (J)
2/13/2024	<0.002	0.0017 (J)	0.0034 (J)	0.0024 (J)	0.088	0.0052 (J)
8/5/2024	<0.002	0.0019 (J)	0.0034 (J)			
8/6/2024				0.0025 (J)	0.1	0.0048 (J)
2/12/2025	0.00119 (J)		0.00331 (J)	0.00266 (J)	0.101	
2/13/2025						0.00456 (J)
2/14/2025		0.00183 (J)				
8/5/2025	0.00116 (J)	0.0026	0.00374	0.00308	0.104	0.0062

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	<0.002					
8/31/2016		0.0333 (J)	0.0077 (J)	<0.002		
10/20/2016	<0.002					
10/26/2016		0.0352 (J)		<0.002		
11/7/2016			0.0089 (J)			
1/13/2017			0.0091 (J)			
1/25/2017	<0.002					
1/27/2017		0.0329 (J)		<0.002		
5/25/2017	<0.002	0.0347 (J)		0.0011 (J)		
6/3/2017			0.0104 (J)			
8/11/2017	<0.002			<0.002		
10/2/2017		0.0337 (J)	0.0095 (J)			
11/15/2017	<0.002	0.0347 (J)	0.0086 (J)	<0.002		
6/5/2018	<0.002	0.033 (J)	0.0092 (J)	0.0012 (J)		
10/2/2018	<0.002	0.031 (J)		0.0012 (J)		
10/5/2018			0.0091 (J)			
8/22/2019	<0.002	0.029 (J)	0.0084 (J)			
8/23/2019				0.0011 (J)		
10/21/2019	<0.002		0.009 (J)	0.0011 (J)		
10/22/2019		0.03 (J)				
3/24/2020	<0.002			0.0012 (J)		
3/25/2020		0.024 (J)	0.0066 (J)			
5/22/2020					0.0052 (J)	0.0046 (J)
6/16/2020					0.0053 (J)	0.0045 (J)
8/24/2020	<0.002					
8/25/2020					0.0037 (J)	0.0037 (J)
8/26/2020		0.023 (J)	0.0071 (J)			
8/27/2020				0.00091 (J)		
9/15/2020	<0.002					
9/18/2020						0.0035 (J)
9/21/2020		0.023 (J)			0.0038 (J)	
9/28/2020			0.0076 (J)	0.0011 (J)		
11/11/2020						0.0032 (J)
11/12/2020					0.0038 (J)	
12/16/2020					0.0055 (J)	0.0029 (J)
1/20/2021					0.0046 (J)	0.0038 (J)
3/11/2021	<0.002					
3/12/2021		0.023 (J)			0.0039 (J)	0.0038 (J)
3/15/2021			0.0077 (J)	0.001 (J)		
8/13/2021	<0.002					
8/16/2021		0.025 (J)	0.0075 (J)	0.0011 (J)		
8/19/2021					0.0074 (J)	0.0032 (J)
2/1/2022	<0.002					
2/2/2022		0.025 (J)	0.0082 (J)	0.0012 (J)		
2/3/2022					0.0057 (J)	0.0038 (J)
8/2/2022	<0.002					
8/4/2022		0.023 (J)	0.0069 (J)	0.0011 (J)	0.0035 (J)	0.0034 (J)
1/24/2023	<0.002		0.0066 (J)	0.0011 (J)		
1/25/2023		0.018 (J)			0.0045 (J)	0.0046 (J)
8/8/2023	<0.002					
8/10/2023		0.023 (J)	0.0069 (J)		0.0042 (J)	
8/11/2023				0.00097 (J)		0.0041 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
2/13/2024	<0.002					
2/14/2024					0.0083 (J)	0.0041 (J)
2/15/2024		0.021 (J)	0.0056 (J)			
2/16/2024				<0.002		
8/6/2024	<0.002		0.0063 (J)			
8/7/2024		0.023 (J)		<0.002	0.0038 (J)	0.0042 (J)
2/13/2025	<0.002					
2/14/2025				0.00104 (J)		
2/15/2025		0.02 (J)	0.00449 (J)		0.00823 (J)	0.00401 (J)
8/5/2025	0.00124 (J)					
8/7/2025		0.0195	0.00601		0.00366	0.00504
8/10/2025				0.00126 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	<0.0002	<0.0002	<0.0002			
7/11/2016	<0.0002	<0.0002				
7/12/2016			<0.0002			
8/30/2016	4E-05 (J)	4E-05 (J)	<0.0002			
10/19/2016	<0.0002	<0.0002	<0.0002			
12/6/2016	<0.0002	<0.0002	<0.0002			
1/24/2017	<0.0002	<0.0002	<0.0002			
3/21/2017	<0.0002	<0.0002	<0.0002			
5/22/2017	<0.0002	<0.0002	<0.0002			
4/2/2018	<0.0002	<0.0002				
4/3/2018			<0.0002			
3/12/2019	<0.0002	<0.0002	<0.0002			
3/2/2020	<0.0002	<0.0002	<0.0002			
8/25/2020		<0.0002	<0.0002			
8/28/2020	<0.0002					
9/16/2020				<0.0002	<0.0002	
9/25/2020						<0.0002
11/10/2020				<0.0002	<0.0002	
11/11/2020						<0.0002
12/15/2020				<0.0002	<0.0002	
12/16/2020						<0.0002
1/19/2021				<0.0002	<0.0002	
1/20/2021						<0.0002
2/8/2021	<0.0002					
2/9/2021		<0.0002	<0.0002	<0.0002	<0.0002	
8/11/2021	<0.0002			<0.0002		
8/12/2021		<0.0002	<0.0002			
8/13/2021					<0.0002	<0.0002
2/1/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/2/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1/23/2023			<0.0002			
1/24/2023	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
8/8/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/13/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/5/2024	<0.0002	<0.0002	<0.0002			
8/6/2024				<0.0002	<0.0002	<0.0002
2/12/2025	<0.0002		<0.0002	<0.0002	<0.0002	
2/13/2025						<0.0002
2/14/2025		<0.0002				
8/5/2025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	4.3E-05 (J)					
8/31/2016		4E-05 (J)	<0.0002	<0.0002		
10/20/2016	<0.0002					
10/26/2016		<0.0002		<0.0002		
11/7/2016			<0.0002			
1/13/2017			<0.0002			
1/25/2017	4E-05 (J)					
1/27/2017		<0.0002		<0.0002		
5/25/2017	7E-05 (J)	7E-05 (J)		5.1E-05 (J)		
6/3/2017			<0.0002			
8/11/2017	<0.0002			<0.0002		
10/2/2017		<0.0002	<0.0002			
11/15/2017	<0.0002	<0.0002	<0.0002	<0.0002		
6/5/2018	<0.0002	<0.0002	<0.0002	<0.0002		
10/2/2018	<0.0002	<0.0002		<0.0002		
10/5/2018			<0.0002			
8/22/2019	<0.0002	<0.0002	<0.0002			
8/23/2019				<0.0002		
5/22/2020					<0.0002	<0.0002
6/16/2020					<0.0002	<0.0002
8/24/2020	<0.0002					
8/25/2020					<0.0002	<0.0002
8/26/2020		<0.0002	<0.0002			
8/27/2020				<0.0002		
9/18/2020						<0.0002
9/21/2020					<0.0002	
11/11/2020						<0.0002
11/12/2020					<0.0002	
12/16/2020					<0.0002	<0.0002
1/20/2021					<0.0002	<0.0002
8/13/2021	<0.0002					
8/16/2021		<0.0002	<0.0002	<0.0002		
8/19/2021					<0.0002	<0.0002
2/1/2022	<0.0002					
2/2/2022		<0.0002	<0.0002	<0.0002		
2/3/2022					<0.0002	<0.0002
8/2/2022	<0.0002					
8/4/2022		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1/24/2023	<0.0002		<0.0002	<0.0002		
1/25/2023		<0.0002			<0.0002	<0.0002
8/8/2023	<0.0002					
8/10/2023		<0.0002	<0.0002		<0.0002	
8/11/2023				<0.0002		<0.0002
2/13/2024	<0.0002					
2/14/2024					<0.0002	<0.0002
2/15/2024		<0.0002	<0.0002			
2/16/2024				<0.0002		
8/6/2024	<0.0002		<0.0002			
8/7/2024		<0.0002		<0.0002	<0.0002	<0.0002
2/13/2025	<0.0002					
2/14/2025				<0.0002		
2/15/2025		<0.0002	<0.0002		<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/5/2025	<0.0002					
8/7/2025		<0.0002	<0.0002		<0.0002	<0.0002
8/10/2025				<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	<0.01	<0.01	<0.01			
7/11/2016	<0.01	<0.01				
7/12/2016			<0.01			
8/30/2016	<0.01	<0.01	<0.01			
10/19/2016	<0.01	<0.01	<0.01			
12/6/2016	<0.01	<0.01	<0.01			
1/24/2017	<0.01	<0.01	<0.01			
3/21/2017	<0.01	<0.01	<0.01			
5/22/2017	<0.01	<0.01	<0.01			
4/2/2018	<0.01	<0.01				
4/3/2018			<0.01			
6/4/2018	<0.01	<0.01	<0.01			
10/1/2018	<0.01	<0.01	<0.01			
3/12/2019	<0.01	<0.01	<0.01			
4/1/2019			<0.01			
4/2/2019	<0.01	<0.01				
9/23/2019	<0.01	<0.01	<0.01			
3/2/2020	<0.01	<0.01	<0.01			
3/25/2020	<0.01	<0.01	<0.01			
6/16/2020	<0.01		<0.01			
8/25/2020		<0.01	<0.01			
8/28/2020	<0.01					
9/15/2020	<0.01	<0.01	<0.01			
9/16/2020				0.0044 (J)	0.0019 (J)	
9/25/2020						0.0014 (J)
11/10/2020				0.0072 (J)	0.0018 (J)	
11/11/2020						0.0049 (J)
12/15/2020				0.0044 (J)	0.0019 (J)	
12/16/2020						0.0024 (J)
1/19/2021				0.0038 (J)	0.0035 (J)	
1/20/2021						0.0063 (J)
2/8/2021	<0.01					
2/9/2021		<0.01	<0.01	0.0045 (J)	0.0038 (J)	
3/10/2021	<0.01				0.0019 (J)	
3/11/2021		<0.01	<0.01	0.0064 (J)		
3/12/2021						0.0019 (J)
8/11/2021	<0.01			0.0034 (J)		
8/12/2021		<0.01	<0.01			
8/13/2021					0.0051 (J)	<0.01
2/1/2022	<0.01	<0.01	<0.01	0.0036 (J)	0.0055 (J)	<0.01
8/2/2022	<0.01	<0.01	<0.01	0.0042 (J)	0.002 (J)	<0.01
1/23/2023			<0.01			
1/24/2023	<0.01	<0.01		0.0027 (J)	0.0026 (J)	<0.01
8/8/2023	<0.01	<0.01	<0.01	0.0019 (J)	0.0013 (J)	<0.01
2/13/2024	<0.01	<0.01	<0.01	0.0015 (J)	0.0018 (J)	<0.01
8/5/2024	<0.01	<0.01	<0.01			
8/6/2024				0.001 (J)	0.00079 (J)	<0.01
2/12/2025	<0.01		<0.01	<0.01	<0.01	
2/13/2025						<0.01
2/14/2025		<0.01				
8/5/2025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	0.0026 (J)					
8/31/2016		0.0176	<0.01	<0.01		
10/20/2016	0.005 (J)					
10/26/2016		0.0187		<0.01		
11/7/2016			<0.01			
1/13/2017			<0.01			
1/25/2017	0.0054 (J)					
1/27/2017		0.0214		<0.01		
5/25/2017	0.0018 (J)	0.0231		0.0009 (J)		
6/3/2017			<0.01			
8/11/2017	0.0029 (J)			0.0013 (J)		
10/2/2017		0.0259	<0.01			
11/15/2017	0.0018 (J)	0.0281	<0.01	0.0012 (J)		
6/5/2018	0.0028 (J)	0.033	<0.01	<0.01		
10/2/2018	<0.01	0.036		<0.01		
10/5/2018			<0.01			
8/22/2019	0.003 (J)	0.039	<0.01			
8/23/2019				0.0014 (J)		
10/21/2019	0.0049 (J)		<0.01	0.0013 (J)		
10/22/2019		0.04				
3/24/2020	0.0091 (J)			0.001 (J)		
3/25/2020		0.034	<0.01			
5/22/2020					<0.01	<0.01
6/16/2020					<0.01	<0.01
8/24/2020	0.0031 (J)					
8/25/2020					0.00099 (J)	<0.01
8/26/2020		0.05	<0.01			
8/27/2020				0.00091 (J)		
9/15/2020	0.0045 (J)					
9/18/2020						<0.01
9/21/2020		0.043			<0.01	
9/28/2020			<0.01	0.0009 (J)		
11/11/2020						<0.01
11/12/2020					0.0017 (J)	
12/16/2020					0.014	<0.01
1/20/2021					0.0013 (J)	<0.01
3/11/2021	0.0014 (J)					
3/12/2021		0.033			0.0012 (J)	<0.01
3/15/2021			<0.01	0.00092 (J)		
8/13/2021	0.0022 (J)					
8/16/2021		0.035	<0.01	0.00091 (J)		
8/19/2021					0.021	<0.01
2/1/2022	0.002 (J)					
2/2/2022		0.034	<0.01	0.001 (J)		
2/3/2022					0.0067 (J)	<0.01
8/2/2022	0.0042 (J)					
8/4/2022		0.032	<0.01	<0.01	0.0023 (J)	<0.01
1/24/2023	0.0035 (J)		<0.01	<0.01		
1/25/2023		0.03			0.0053 (J)	<0.01
8/8/2023	0.0039 (J)					
8/10/2023		0.035	<0.01		0.0031 (J)	
8/11/2023				<0.01		<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
2/13/2024	0.0042 (J)					
2/14/2024					0.026	<0.01
2/15/2024		0.033	<0.01			
2/16/2024				0.00072 (J)		
8/6/2024	0.0047 (J)		<0.01			
8/7/2024		0.036		0.0012 (J)	0.0028 (J)	<0.01
2/13/2025	0.005 (J)					
2/14/2025				<0.01		
2/15/2025		0.033	<0.01		0.028	<0.01
8/5/2025	0.0026 (J)					
8/7/2025		0.032	<0.01		0.0036 (J)	<0.01
8/10/2025				<0.01		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH, Field (SU) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	7.27	5.81	7.45			
7/11/2016	7.06	5.68				
7/12/2016			7.32			
8/30/2016	7.28	5.63	7.43			
10/19/2016	7.02	5.46	7.03			
12/6/2016	7.09	5.38	7.08			
1/24/2017	7.2	5.37	7.39			
3/21/2017	7.01	4.9	6.83			
5/22/2017	7.11	5.2	7.02			
10/3/2017	7.21	5.3	7.47			
4/2/2018	7.1	5.4				
4/3/2018			7.38			
6/4/2018	7.06	5.27	7.38			
10/1/2018	7.09	5.31	7.13			
3/12/2019	7.03	5.42	7.29			
4/1/2019			7.16			
4/2/2019	6.86	5.41				
9/23/2019	7.02	5.33	7.3			
9/30/2019	7	5.35	7.37			
3/2/2020	7.1	5.43	7.12			
3/25/2020	6.95	5.36	7.4			
6/16/2020	6.97		7.31			
8/25/2020		5.15	7.14			
8/28/2020	7.02					
9/15/2020	7.15	5.22	7.29			
9/16/2020				7.52	7.83	
9/25/2020						7.57
11/10/2020				7.27	7.84	
11/11/2020						7.4
12/15/2020				7.39	7.87	
12/16/2020						7.39
1/19/2021				7.39	7.86	
1/20/2021						7.47
2/8/2021	7.11					
2/9/2021		5.42	7.23	7.44	7.84	
3/10/2021	6.95				7.92	
3/11/2021		5.8	7.33	7.46		
3/12/2021						7.52
8/11/2021	6.98			7.4		
8/12/2021		5.05	7.31			
8/13/2021					7.77	7.42
2/1/2022	7.19	5.24	7.45	7.52	8.25	7.45
8/2/2022	7.03	4.57	7.02	7.15	7.9	7.39
1/23/2023			7.32			
1/24/2023	6.76	5.22		7.56	8.22	7.15
8/8/2023	7.05	5.01	7.42	7.39	8.2	7.39
2/13/2024	7.06	5.49	7.35	7.47	8.1	7.47
8/5/2024	7.29	4.91	7.27			
8/6/2024				7.46	8.36	7.47
2/12/2025	7.08		7.37	7.5	8.49	
2/13/2025						7.63
2/14/2025		5.75	7.45			

Time Series

Constituent: pH, Field (SU) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
8/5/2025	6.94	4.9	7.12	7.42	8.46	7.41

Time Series

Constituent: pH, Field (SU) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	6.75					
8/31/2016		6.73	6.62	6.99		
10/20/2016	6.73					
10/26/2016		6.77		7.06		
11/7/2016			6.71			
1/13/2017			6.57			
1/25/2017	6.88					
1/27/2017		6.74		7.13		
5/25/2017	6.55	6.99		7.1		
6/3/2017			6.71			
8/11/2017	6.56		6.56	7.02		
10/2/2017		7.66	7.65			
11/15/2017	6.47	6.71	6.69	7.04		
6/5/2018	6.66	6.83	6.79	7.17		
10/2/2018	6.44	6.83		7.08		
10/5/2018			6.71			
4/2/2019	6.57	6.87				
4/3/2019			6.73	7.14		
6/17/2019		6.79	6.75			
6/18/2019	6.46			7.11		
8/22/2019	6.51	6.79	6.77			
8/23/2019				7.02		
10/21/2019	6.69		6.74	7.05		
10/22/2019		6.74				
3/24/2020	7.08			7.18		
3/25/2020		6.8	6.91			
5/22/2020					6.43	7.22
6/15/2020		6.8				
6/16/2020					6.29	6.92
8/24/2020	6.54					
8/25/2020					6.36	6.78
8/26/2020		6.96	6.73			
8/27/2020				7.15		
9/15/2020	6.68					
9/18/2020						6.97
9/21/2020		6.98			6.22	
9/28/2020			6.93	7.27		
11/11/2020						6.86
11/12/2020					6.13	
12/16/2020					6.61	6.93
1/20/2021					6.23	6.99
3/11/2021	6.65					
3/12/2021		6.95			6.18	7.05
3/15/2021			6.87	7.22		
8/13/2021	6.56					
8/16/2021		6.92	6.74	7.09		
8/19/2021					7.24	7.32
2/1/2022	6.57					
2/2/2022		7	6.92	7.28		
2/3/2022					6.56	7.01
8/2/2022	6.67					
8/4/2022		6.93	6.8	7.15	6.09	6.99

Time Series

Constituent: pH, Field (SU) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
1/24/2023	6.43		6.75	7.05		
1/25/2023		6.87			6.32	6.89
8/8/2023	6.67					
8/10/2023		6.96	6.89		6.29	
8/11/2023				7.2		6.95
2/13/2024	6.82					
2/14/2024					6.76	6.98
2/15/2024		6.9	6.87			
2/16/2024				7.33		
5/3/2024	6.78					
8/6/2024	6.86		6.91			
8/7/2024		7.01		7.24	6.15	6.99
2/13/2025	6.99					
2/14/2025				7.31		
2/15/2025		7.06	7.12		6.88	7.13
8/5/2025	6.58					
8/7/2025		6.9	6.8		6.13	6.92
8/10/2025				7.14		

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	<0.005	<0.005	<0.005			
7/11/2016	<0.005	<0.005				
7/12/2016			<0.005			
8/30/2016	<0.005	<0.005	<0.005			
10/19/2016	<0.005	<0.005	<0.005			
12/6/2016	<0.005	<0.005	<0.005			
1/24/2017	<0.005	<0.005	<0.005			
3/21/2017	<0.005	<0.005	<0.005			
5/22/2017	<0.005	<0.005	<0.005			
4/2/2018	<0.005	<0.005				
4/3/2018			<0.005			
6/4/2018	<0.005	<0.005	<0.005			
10/1/2018	<0.005	<0.005	<0.005			
3/12/2019	<0.005	<0.005	<0.005			
4/1/2019			<0.005			
4/2/2019	<0.005	<0.005				
9/23/2019	<0.005	<0.005	<0.005			
3/2/2020	<0.005	<0.005	<0.005			
3/25/2020	<0.005	<0.005	<0.005			
8/25/2020		<0.005	<0.005			
8/28/2020	<0.005					
9/15/2020	<0.005	<0.005	<0.005			
9/16/2020				<0.005	<0.005	
9/25/2020						<0.005
11/10/2020				<0.005	<0.005	
11/11/2020						<0.005
12/15/2020				<0.005	<0.005	
12/16/2020						<0.005
1/19/2021				<0.005	<0.005	
1/20/2021						<0.005
2/8/2021	<0.005					
2/9/2021		<0.005	<0.005	<0.005	<0.005	
3/10/2021	0.0047 (J)				<0.005	
3/11/2021		<0.005	<0.005	<0.005		
8/11/2021	<0.005			<0.005		
8/12/2021		<0.005	<0.005			
8/13/2021					<0.005	<0.005
2/1/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/2/2022	<0.005	0.0014 (J)	<0.005	<0.005	<0.005	<0.005
1/23/2023			<0.005			
1/24/2023	<0.005	<0.005		<0.005	<0.005	<0.005
8/8/2023	<0.005	0.0019 (J)	<0.005	<0.005	<0.005	<0.005
2/13/2024	<0.005	0.002 (J)	<0.005	<0.005	<0.005	<0.005
8/5/2024	<0.005	0.0013 (J)	<0.005			
8/6/2024				<0.005	<0.005	<0.005
2/12/2025	<0.005		<0.005	<0.005	<0.005	
2/13/2025						<0.005
2/14/2025		0.0043 (J)				
8/5/2025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	<0.005					
8/31/2016		<0.005	<0.005	<0.005		
10/20/2016	<0.005					
10/26/2016		<0.005		<0.005		
11/7/2016			<0.005			
1/13/2017			0.0011 (J)			
1/25/2017	<0.005					
1/27/2017		<0.005		<0.005		
5/25/2017	<0.005	<0.005		<0.005		
6/3/2017			<0.005			
8/11/2017	<0.005			<0.005		
10/2/2017		0.002 (J)	<0.005			
11/15/2017	<0.005	<0.005	<0.005	<0.005		
6/5/2018	<0.005	<0.005	<0.005	<0.005		
10/2/2018	0.0015 (J)	<0.005		0.0014 (J)		
10/5/2018			<0.005			
8/22/2019	<0.005	<0.005	<0.005			
8/23/2019				<0.005		
5/22/2020					<0.005	<0.005
6/16/2020					<0.005	<0.005
8/24/2020	<0.005					
8/25/2020					<0.005	<0.005
8/26/2020		<0.005	<0.005			
8/27/2020				<0.005		
9/18/2020						<0.005
9/21/2020					<0.005	
11/11/2020						<0.005
11/12/2020					<0.005	
12/16/2020					<0.005	<0.005
1/20/2021					<0.005	<0.005
8/13/2021	<0.005					
8/16/2021		<0.005	<0.005	<0.005		
8/19/2021					<0.005	<0.005
2/1/2022	<0.005					
2/2/2022		<0.005	<0.005	<0.005		
2/3/2022					<0.005	<0.005
8/2/2022	<0.005					
8/4/2022		<0.005	<0.005	<0.005	<0.005	<0.005
1/24/2023	<0.005		<0.005	<0.005		
1/25/2023		<0.005			<0.005	<0.005
8/8/2023	<0.005					
8/10/2023		<0.005	<0.005		<0.005	
8/11/2023				<0.005		<0.005
2/13/2024	0.0016 (J)					
2/14/2024					<0.005	<0.005
2/15/2024		<0.005	<0.005			
2/16/2024				<0.005		
8/6/2024	0.0012 (J)		<0.005			
8/7/2024		<0.005		<0.005	<0.005	<0.005
2/13/2025	0.0013 (J)					
2/14/2025				<0.005		
2/15/2025		<0.005	<0.005		<0.005	0.0013 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/5/2025	<0.005					
8/7/2025		<0.005	<0.005		<0.005	<0.005
8/10/2025				<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	66.9	48.6	42.3			
7/11/2016	41	45				
7/12/2016			44			
8/30/2016	36	42	40			
10/19/2016	46	44	43			
12/6/2016	59	44	43			
1/24/2017	46	46	48			
3/21/2017	63	46	45			
5/22/2017	77	48	46			
10/3/2017	42	47	48			
6/4/2018	71.8	47.8	46.6			
10/1/2018	49.1	48.1	48.6			
4/1/2019			50.4			
4/2/2019	84.3	48.7				
9/23/2019	70.2	47.2	43.9			
3/25/2020	85.9	46.3	50.5			
6/16/2020	88.2		49.5			
9/15/2020	47.3	51.5	44.7			
9/16/2020				43	24.95 (D)	
9/25/2020						6.8
11/10/2020				39	6.3	
11/11/2020						11.2
12/15/2020				38.8	6.7	
12/16/2020						11.3
1/19/2021				37.3	7.4	
1/20/2021						14.2
3/10/2021	49.6				<1	
3/11/2021		52.9	50.4	38.6		
3/12/2021						8.7
8/11/2021	48.9			30.5		
8/12/2021		47.4	38.6			
8/13/2021					56.1	8.1
2/1/2022	43.7	67.1	46	37.5	56.3	2.5
8/2/2022	58.1	86.9	43.5	37	13.2	2.1
1/23/2023			39.5			
1/24/2023	48.3	79.7		34.7	10.1	5.2
8/8/2023	67.7	89.9	35	25.6	1.3	2.2
2/13/2024	50.4	93.9	35.5	28.9	2	6
8/5/2024	49.4	87.2	31.1			
8/6/2024				25.5	0.86 (J)	2.9
2/12/2025	43.8		28	25.2	0.51 (J)	
2/13/2025						9.5
2/14/2025		94.5				
8/5/2025	57.6	74	24.9	22.4	0.85 (J)	2

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	49					
8/31/2016		290	280	72		
10/20/2016	49					
10/26/2016		280		71		
11/7/2016			300			
1/13/2017			270			
1/25/2017	48					
1/27/2017		290		74		
5/25/2017	48	280		73		
6/3/2017			270			
8/11/2017	47			71		
10/2/2017		300	330			
11/15/2017	49	300	280	70		
6/5/2018	48.9	273	241	74		
10/2/2018	48.6	328		80.7		
10/5/2018			271			
4/2/2019	39.6	256				
4/3/2019			230	75.2		
6/17/2019		243	219			
6/18/2019	44.5			75.3		
10/21/2019	45.6		238	78.5		
10/22/2019		266				
3/24/2020	25.9			74.6		
3/25/2020		226	116			
5/22/2020					345	56.1
6/15/2020		212				
6/16/2020					320	57.6
8/25/2020					353	62.8
9/15/2020	41.4					
9/18/2020						62.7
9/21/2020		225			352	
9/28/2020			182	86.2		
11/11/2020						62.3
11/12/2020					300	
12/16/2020					306	68.1
1/20/2021					335	66.6
3/11/2021	40.7					
3/12/2021		210			293	69.7
3/15/2021			177	74		
8/13/2021	42.1					
8/16/2021		211	158	74		
8/19/2021					264	64.4
2/1/2022	41.1					
2/2/2022		201	147	70.7		
2/3/2022					304	66.8
8/2/2022	41.5					
8/4/2022		230	162	73.1	331	68.3
1/24/2023	36.5		151	69.6		
1/25/2023		230			306	63.7
8/8/2023	34.9					
8/10/2023		195	138		290	
8/11/2023				67.6		60.5

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
2/13/2024	35.6					
2/14/2024					243	66.4
2/15/2024		209	108			
2/16/2024				74.5		
8/6/2024	37.8		127			
8/7/2024		191		69.7	289	72.8
2/13/2025	32.7					
2/14/2025				61.4		
2/15/2025		175	73.1		201	64.8
8/5/2025	35.5					
8/7/2025		149	91.3		227	68.9
8/10/2025				61.6		

Time Series

Constituent: TDS (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	421	143	267			
7/11/2016	363	125				
7/12/2016			249			
8/30/2016	330	168	254			
10/19/2016	380	176	357			
12/6/2016	377	145	285			
1/24/2017	342	129	300			
3/21/2017	340	103	288			
5/22/2017	338	92	263			
10/3/2017	343	127	300			
6/4/2018	415	140	266			
10/1/2018	354	135	291			
4/1/2019			284			
4/2/2019	452	133				
9/23/2019	442	129	268			
3/25/2020	496	138	284			
6/16/2020	632		448			
9/15/2020	265	124	258			
9/16/2020				272	270	
9/25/2020						263
11/10/2020				307	287	
11/11/2020						276
12/15/2020				289	295	
12/16/2020						294
1/19/2021				270	278	
1/20/2021						289
3/10/2021	348				289	
3/11/2021		169	267	279		
3/12/2021						260
8/11/2021	366			277		
8/12/2021		118	265			
8/13/2021					436	272
2/1/2022	270	156	350	156	444	268
8/2/2022	400	196	287	278	311	261
1/23/2023			293			
1/24/2023	369	164		271	363	289
8/8/2023	457	189	285	274	361	261
2/13/2024	402	214	284	291	379	279
8/5/2024	444	217	304			
8/6/2024				283	380	256
2/12/2025	374		267	273	363	
2/13/2025						272
2/14/2025		242				
8/5/2025	416	160	265	282	370	440

Time Series

Constituent: TDS (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	280					
8/31/2016		700	876	379		
10/20/2016	265					
10/26/2016		795		409		
11/7/2016			1000			
1/13/2017			827			
1/25/2017	371					
1/27/2017		706		370		
5/25/2017	237	669		351		
6/3/2017			846			
8/11/2017	253			322		
10/2/2017		672	884			
11/15/2017	261	721	838	350		
6/5/2018	276	723	823	360		
10/2/2018	256	703		363		
10/5/2018			813			
4/2/2019	814 (O)	540				
4/3/2019			785	369		
6/17/2019			751			
6/18/2019	233			323		
10/21/2019	296		771	357		
10/22/2019		693				
3/24/2020	278			355		
3/25/2020		665	521			
5/22/2020					809	496
6/15/2020		685				
6/16/2020					665	508
8/25/2020					772	505
9/15/2020	267					
9/18/2020						452
9/21/2020		272			956	
9/28/2020			<10	176		
11/11/2020						468
11/12/2020					694	
12/16/2020					816	536
1/20/2021					726	472
3/11/2021	206					
3/12/2021		584			664	474
3/15/2021			614	340		
8/13/2021	201					
8/16/2021		632	626	352		
8/19/2021					732	488
2/1/2022	203					
2/2/2022		612	638	347		
2/3/2022					726	466
8/2/2022	217					
8/4/2022		632	640	334	706	510
1/24/2023	246		602	350		
1/25/2023		656			798	517
8/8/2023	248					
8/10/2023		661	642		760	
8/11/2023				361		535

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
2/13/2024	222					
2/14/2024					687	502
2/15/2024		620	524			
2/16/2024				333		
8/6/2024	270		661			
8/7/2024		647		337	695	518
2/13/2025	206					
2/14/2025				317		
2/15/2025		626	457		640	525
8/5/2025	198					
8/7/2025		637	573		706	539
8/10/2025				333		

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016	<0.0005	<0.0005	<0.0005			
7/11/2016	<0.0005	<0.0005				
7/12/2016			<0.0005			
8/30/2016	<0.0005	<0.0005	<0.0005			
10/19/2016	<0.0005	<0.0005	<0.0005			
12/6/2016	<0.0005	<0.0005	<0.0005			
1/24/2017	<0.0005	<0.0005	<0.0005			
3/21/2017	<0.0005	3E-05 (J)	<0.0005			
5/22/2017	<0.0005	<0.0005	<0.0005			
4/2/2018	<0.0005	<0.0005				
4/3/2018			<0.0005			
6/4/2018	<0.0005	<0.0005	<0.0005			
10/1/2018	<0.0005	<0.0005	<0.0005			
3/12/2019	<0.0005	<0.0005	<0.0005			
4/1/2019			<0.0005			
4/2/2019	<0.0005	<0.0005				
9/23/2019	<0.0005	<0.0005	<0.0005			
3/2/2020	<0.0005	<0.0005	<0.0005			
3/25/2020	<0.0005	<0.0005	<0.0005			
8/25/2020		<0.0005	<0.0005			
8/28/2020	<0.0005					
9/15/2020	<0.0005	<0.0005	<0.0005			
9/16/2020				<0.0005	<0.0005	
9/25/2020						<0.0005
11/10/2020				<0.0005	<0.0005	
11/11/2020						<0.0005
12/15/2020				<0.0005	<0.0005	
12/16/2020						<0.0005
1/19/2021				<0.0005	<0.0005	
1/20/2021						<0.0005
2/8/2021	<0.0005					
2/9/2021		<0.0005	<0.0005	<0.0005	<0.0005	
3/10/2021	<0.0005				<0.0005	
3/11/2021		<0.0005	<0.0005	<0.0005		
8/11/2021	<0.0005			<0.0005		
8/12/2021		<0.0005	<0.0005			
8/13/2021					<0.0005	<0.0005
2/1/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/2/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1/23/2023			<0.0005			
1/24/2023	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005
8/8/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/13/2024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/5/2024	<0.0005	<0.0005	<0.0005			
8/6/2024				<0.0005	<0.0005	<0.0005
2/12/2025	<0.0005		<0.0005	<0.0005	<0.0005	
2/13/2025						<0.0005
2/14/2025		<0.0005				
8/5/2025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/16/2025 10:00 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/30/2016	<0.0005					
8/31/2016		<0.0005	<0.0005	<0.0005		
10/20/2016	<0.0005					
10/26/2016		<0.0005		<0.0005		
11/7/2016			<0.0005			
1/13/2017			<0.0005			
1/25/2017	<0.0005					
1/27/2017		<0.0005		<0.0005		
5/25/2017	<0.0005	<0.0005		<0.0005		
6/3/2017			<0.0005			
8/11/2017	<0.0005			<0.0005		
10/2/2017		<0.0005	<0.0005			
11/15/2017	<0.0005	<0.0005	<0.0005	<0.0005		
6/5/2018	<0.0005	<0.0005	<0.0005	<0.0005		
10/2/2018	<0.0005	<0.0005		<0.0005		
10/5/2018			<0.0005			
8/22/2019	<0.0005	<0.0005	<0.0005			
8/23/2019				<0.0005		
5/22/2020					<0.0005	<0.0005
6/16/2020					<0.0005	<0.0005
8/24/2020	<0.0005					
8/25/2020					<0.0005	<0.0005
8/26/2020		<0.0005	<0.0005			
8/27/2020				<0.0005		
9/18/2020						<0.0005
9/21/2020					<0.0005	
11/11/2020						<0.0005
11/12/2020					<0.0005	
12/16/2020					<0.0005	<0.0005
1/20/2021					<0.0005	<0.0005
8/13/2021	<0.0005					
8/16/2021		<0.0005	<0.0005	<0.0005		
8/19/2021					<0.0005	<0.0005
2/1/2022	<0.0005					
2/2/2022		<0.0005	<0.0005	<0.0005		
2/3/2022					<0.0005	<0.0005
8/2/2022	<0.0005					
8/4/2022		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1/24/2023	<0.0005		<0.0005	<0.0005		
1/25/2023		<0.0005			<0.0005	<0.0005
8/8/2023	<0.0005					
8/10/2023		<0.0005	<0.0005		<0.0005	
8/11/2023				<0.0005		<0.0005
2/13/2024	<0.0005					
2/14/2024					<0.0005	<0.0005
2/15/2024		<0.0005	<0.0005			
2/16/2024				<0.0005		
8/6/2024	<0.0005		<0.0005			
8/7/2024		<0.0005		<0.0005	<0.0005	<0.0005
2/13/2025	<0.0005					
2/14/2025				<0.0005		
2/15/2025		<0.0005	<0.0005		<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/16/2025 10:00 AM

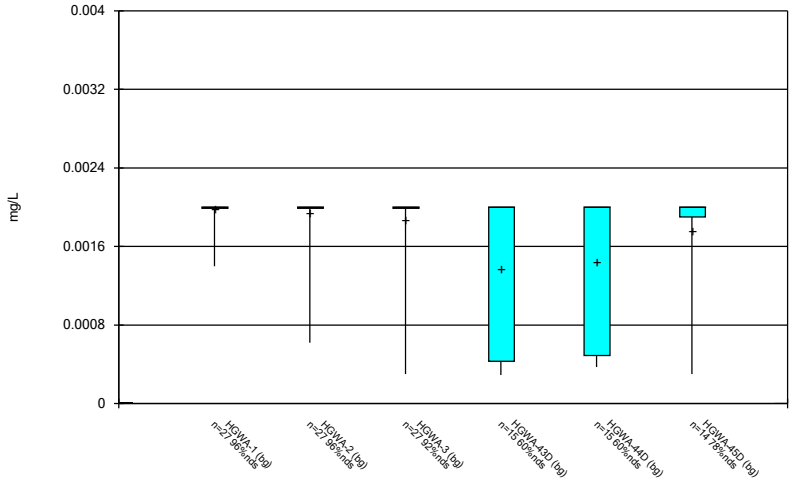
Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/5/2025	<0.0005					
8/7/2025		<0.0005	<0.0005		<0.0005	<0.0005
8/10/2025				<0.0005		

ND substitution: RL or RL/2 if <15% NDs.

FIGURE B.

Box & Whiskers Plot



Constituent: Antimony Analysis Run 10/16/2025 10:08 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

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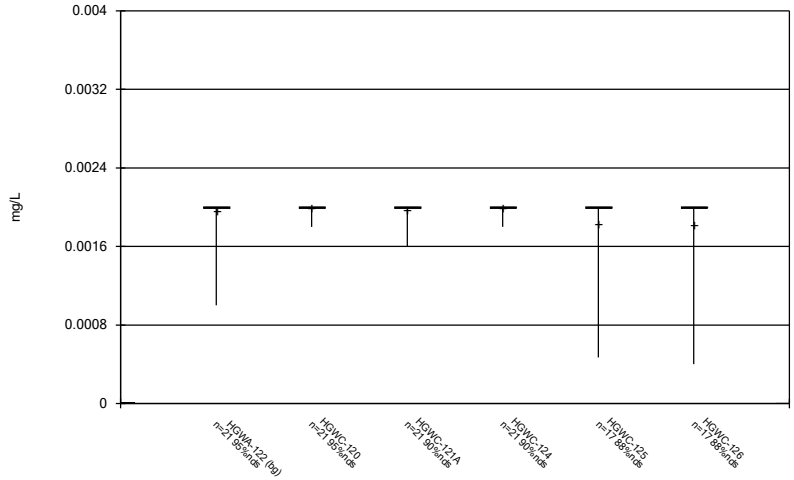
Box & Whiskers Plot

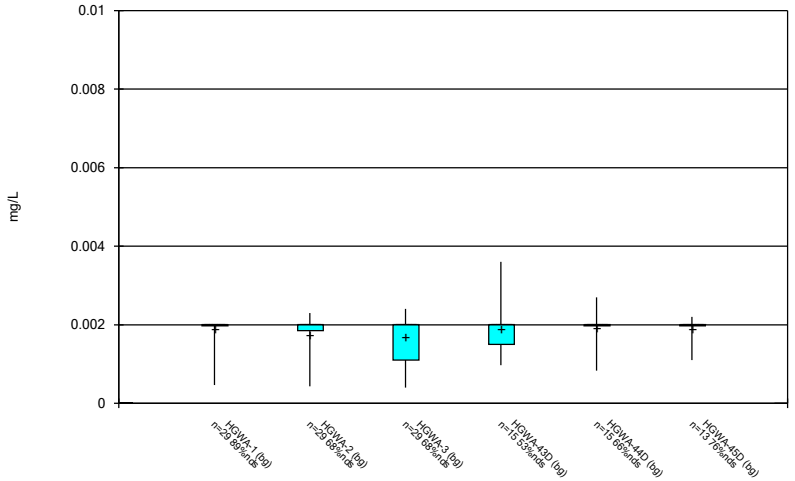


Constituent: Antimony Analysis Run 10/16/2025 10:08 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

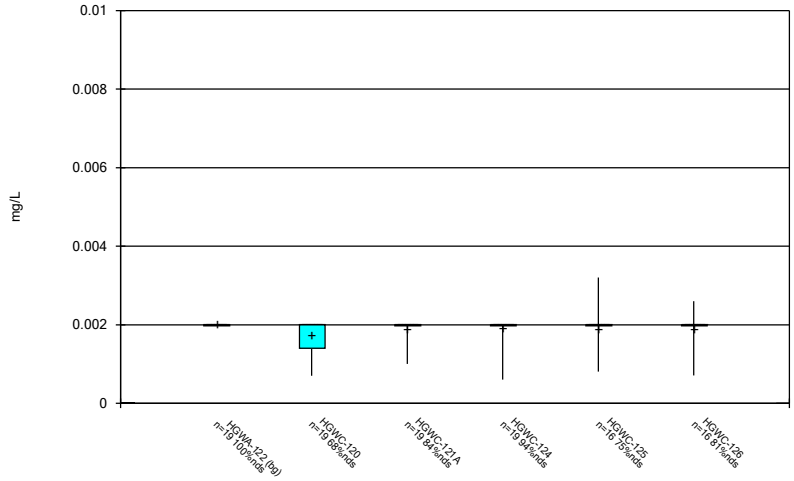


Constituent: Arsenic Analysis Run 10/16/2025 10:08 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

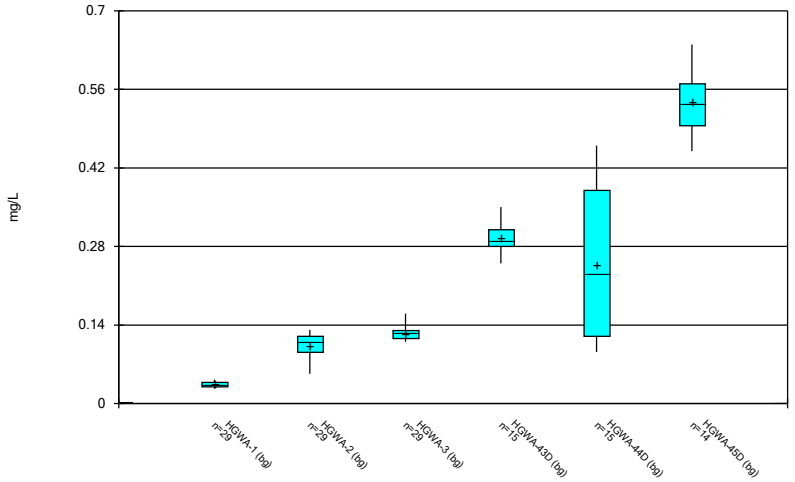
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 10/16/2025 10:08 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Box & Whiskers Plot



Constituent: Barium Analysis Run 10/16/2025 10:08 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

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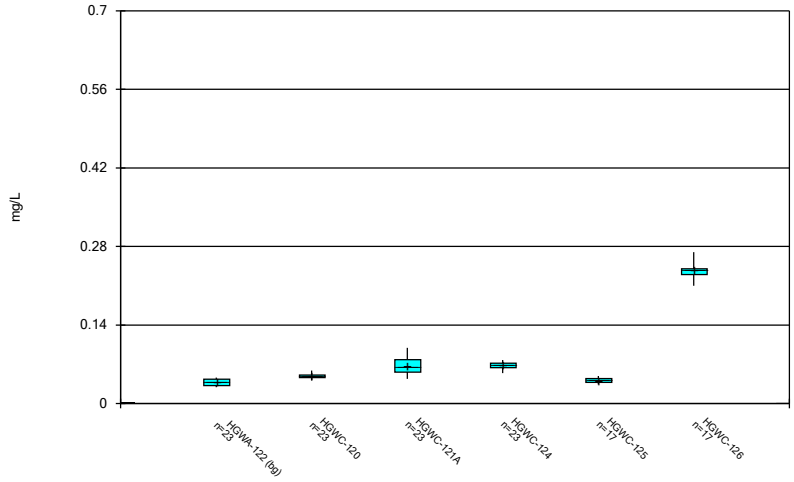
Box & Whiskers Plot

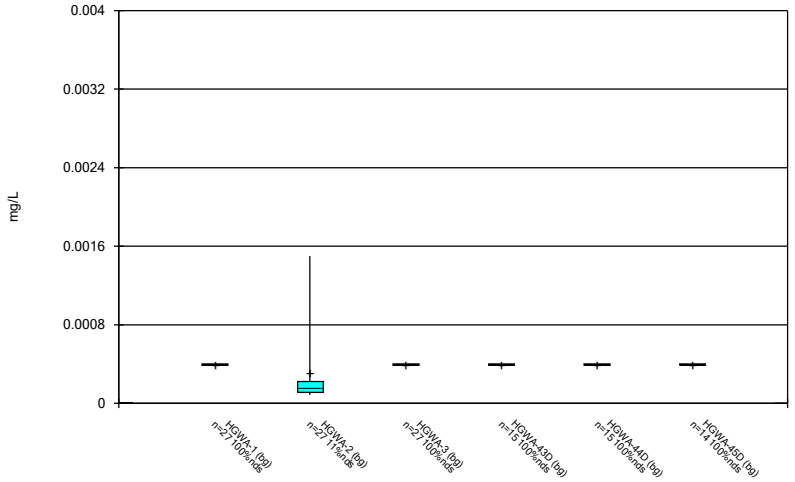


Constituent: Barium Analysis Run 10/16/2025 10:08 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Beryllium Analysis Run 10/16/2025 10:08 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

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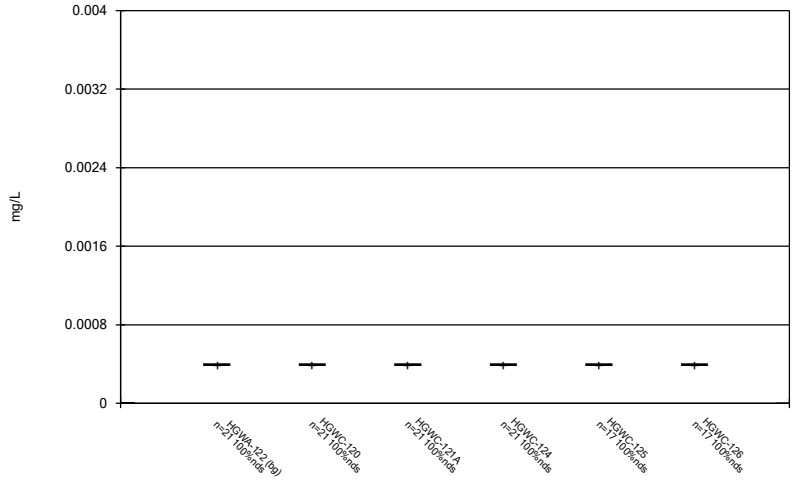
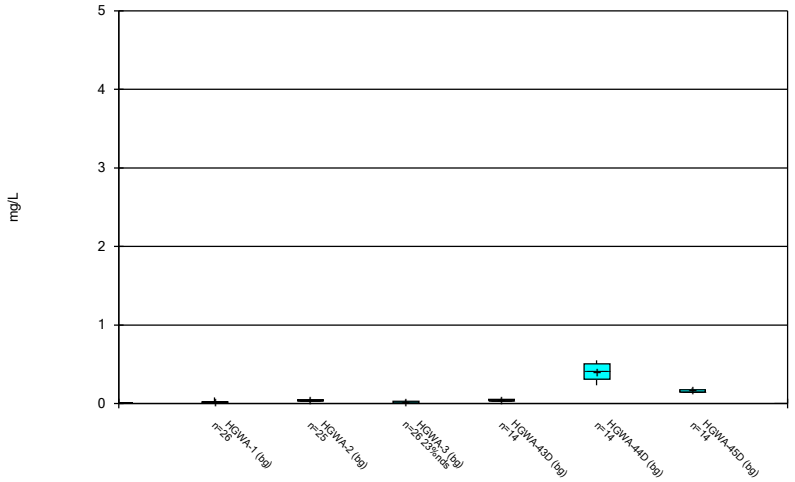
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 10/16/2025 10:08 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Box & Whiskers Plot



Constituent: Boron Analysis Run 10/16/2025 10:08 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

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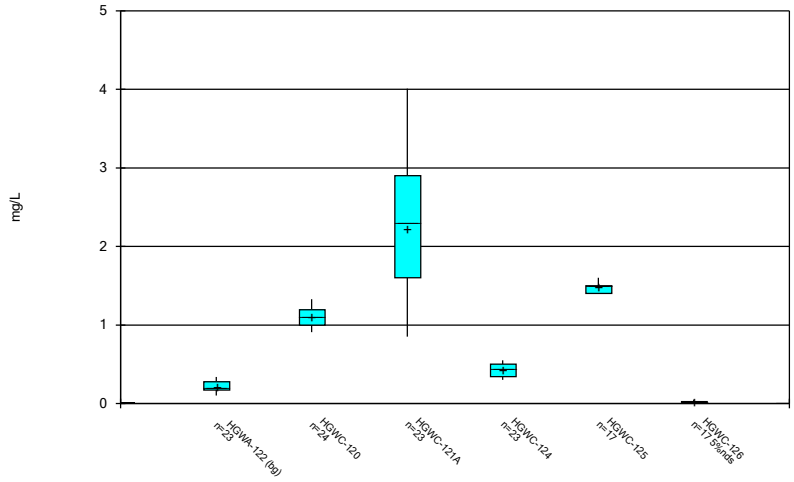
Box & Whiskers Plot



Constituent: Boron Analysis Run 10/16/2025 10:08 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

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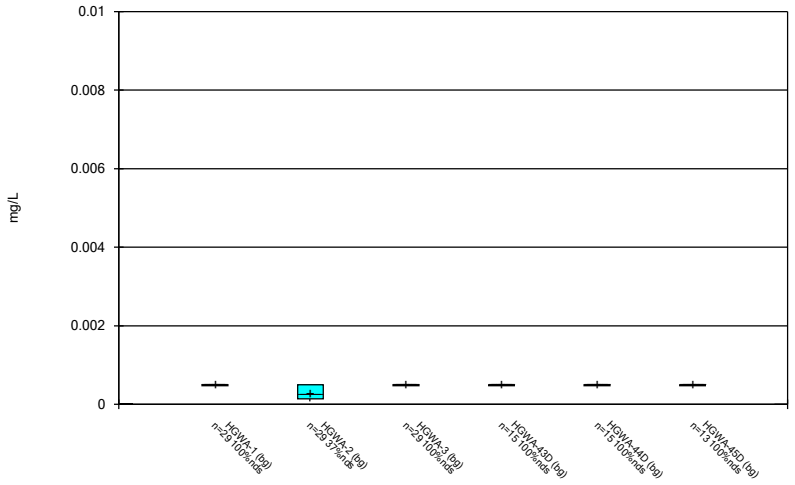
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

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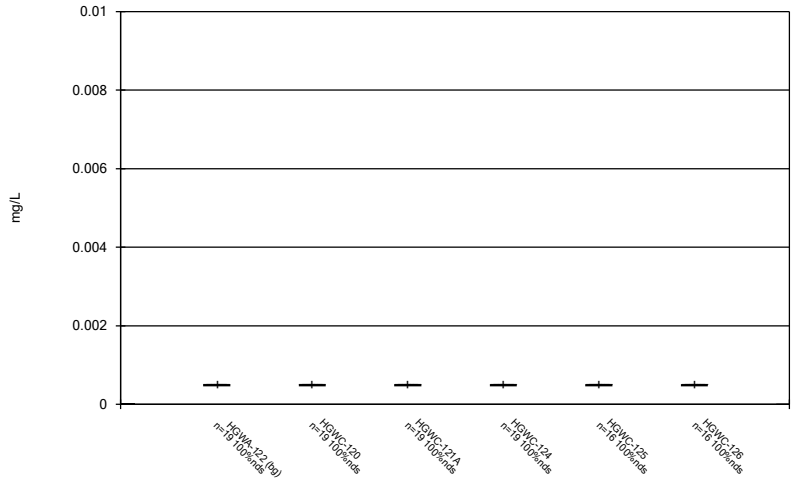
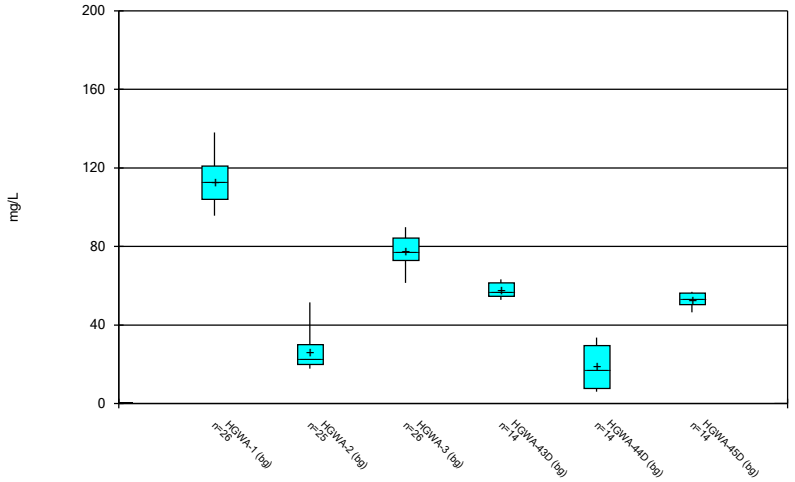
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Box & Whiskers Plot



Constituent: Calcium Analysis Run 10/16/2025 10:09 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

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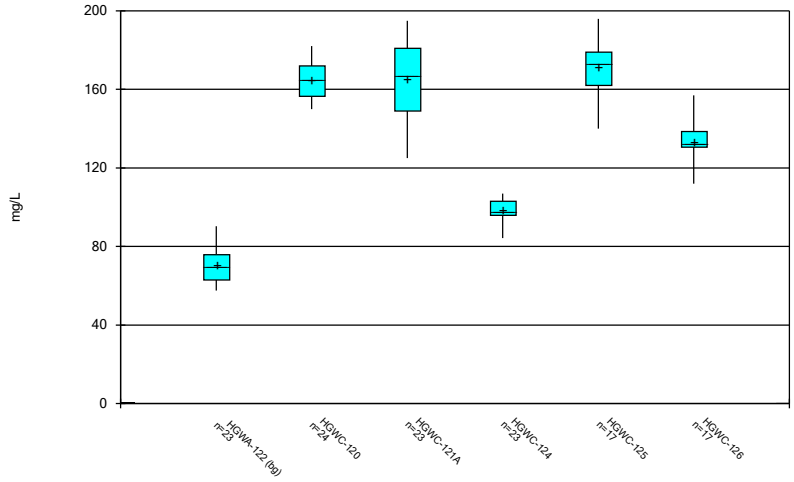
Box & Whiskers Plot



Constituent: Calcium Analysis Run 10/16/2025 10:09 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

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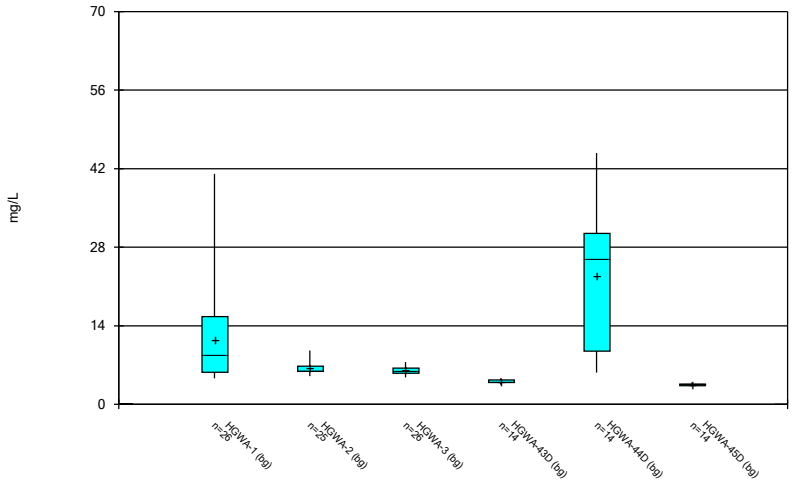
Box & Whiskers Plot



Constituent: Chloride Analysis Run 10/16/2025 10:09 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

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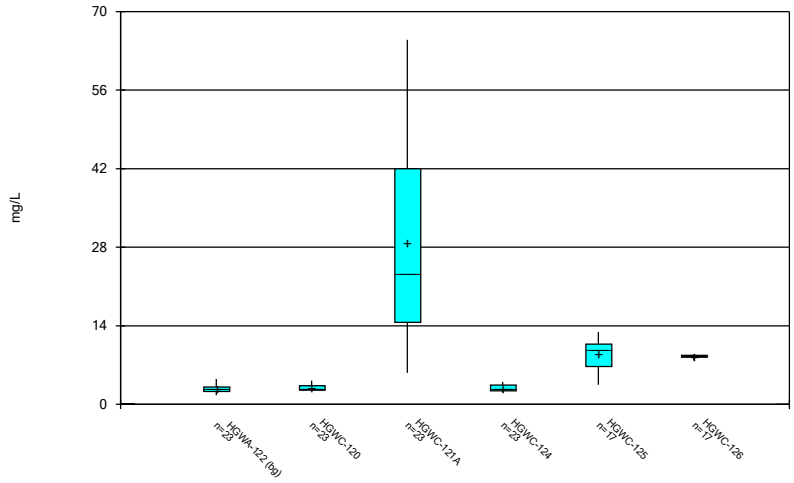
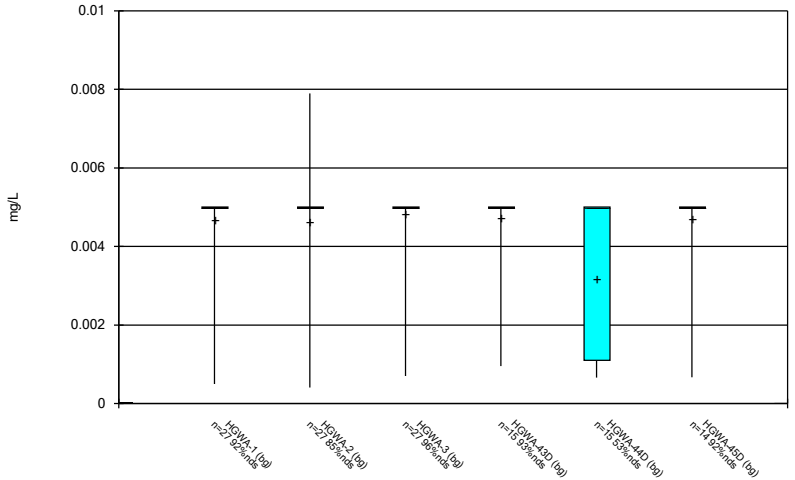
Box & Whiskers Plot



Constituent: Chloride Analysis Run 10/16/2025 10:09 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

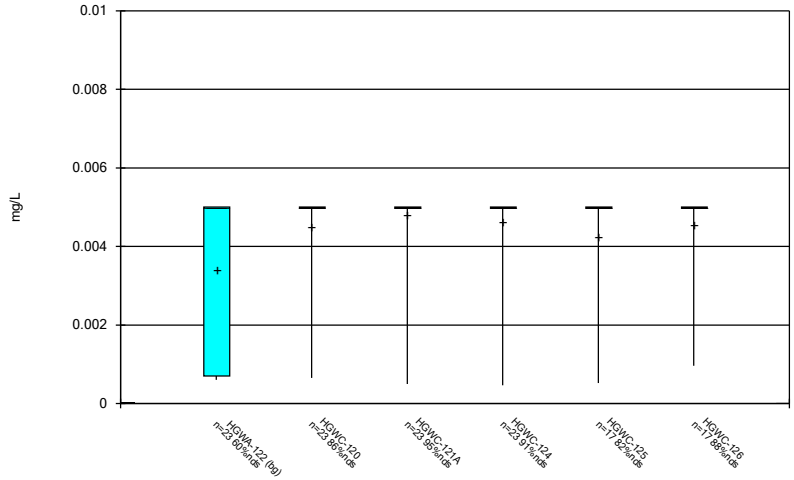
Box & Whiskers Plot



Constituent: Chromium Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

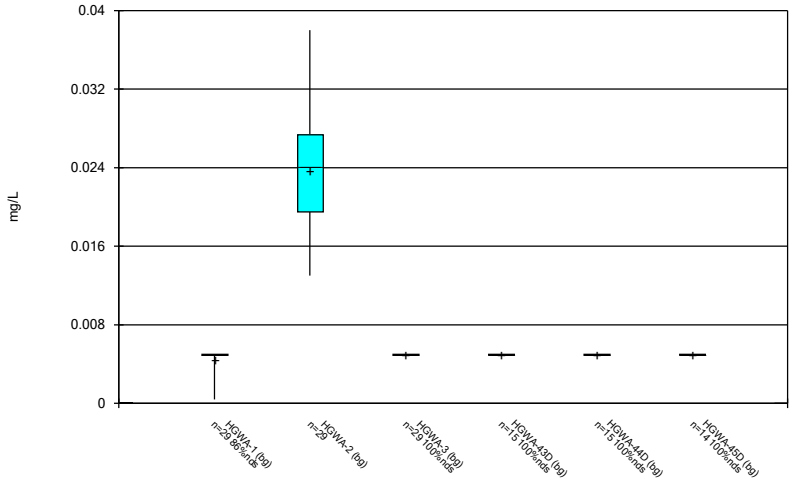
Box & Whiskers Plot



Constituent: Chromium Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

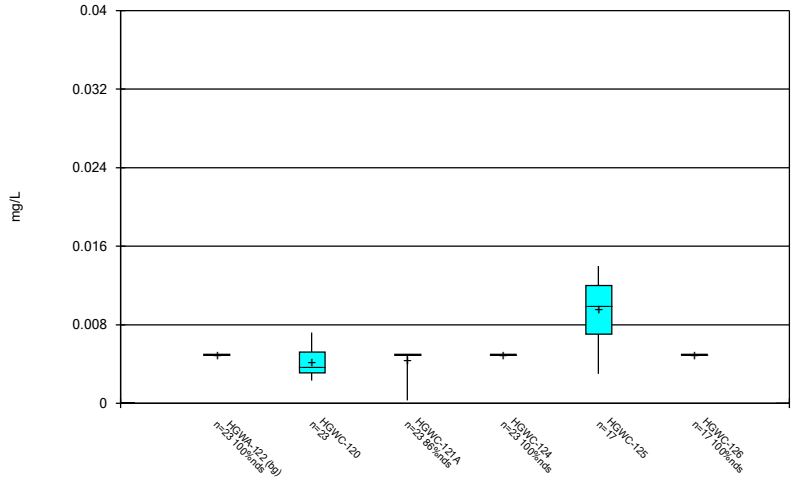
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

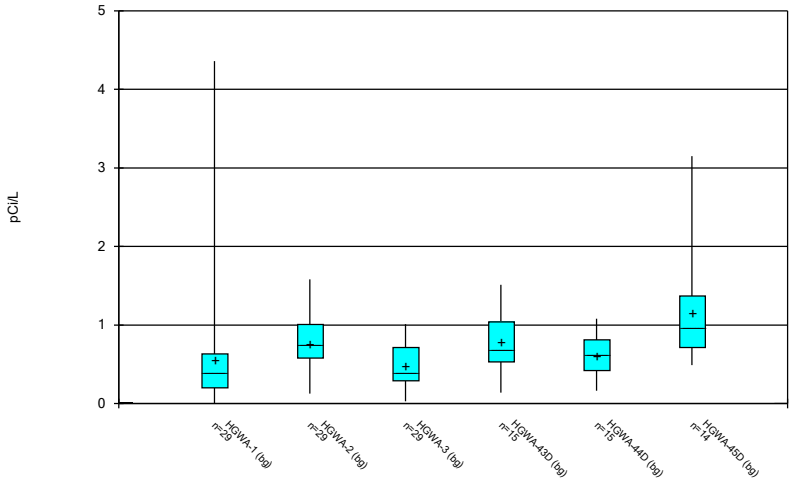
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 10:09 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

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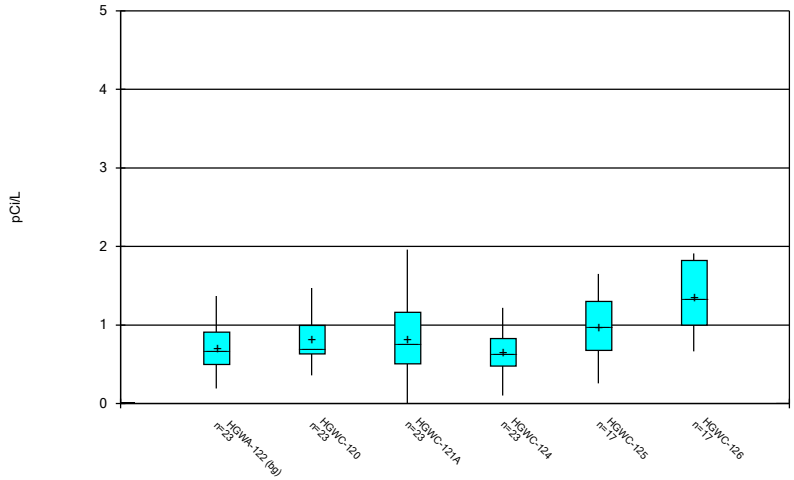
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 10:09 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

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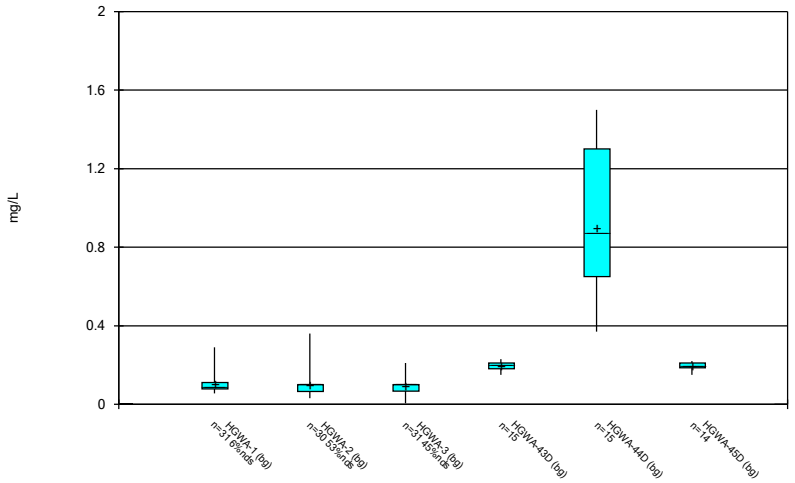
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 10/16/2025 10:09 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

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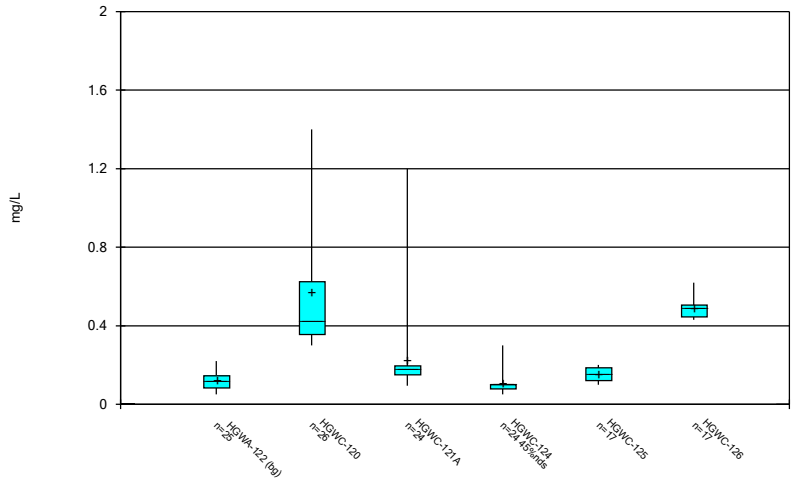
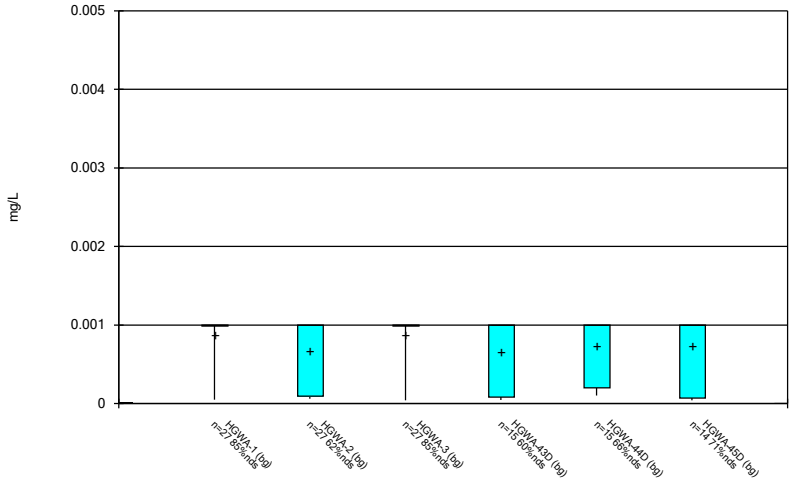
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 10/16/2025 10:09 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Box & Whiskers Plot

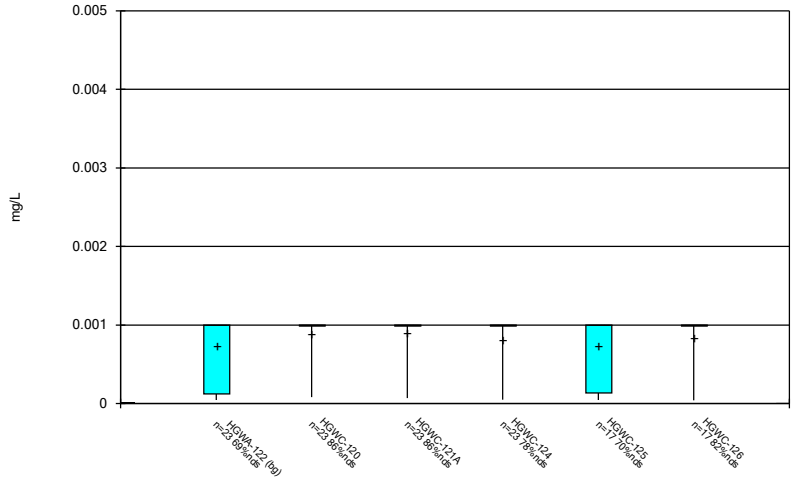


Constituent: Lead Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

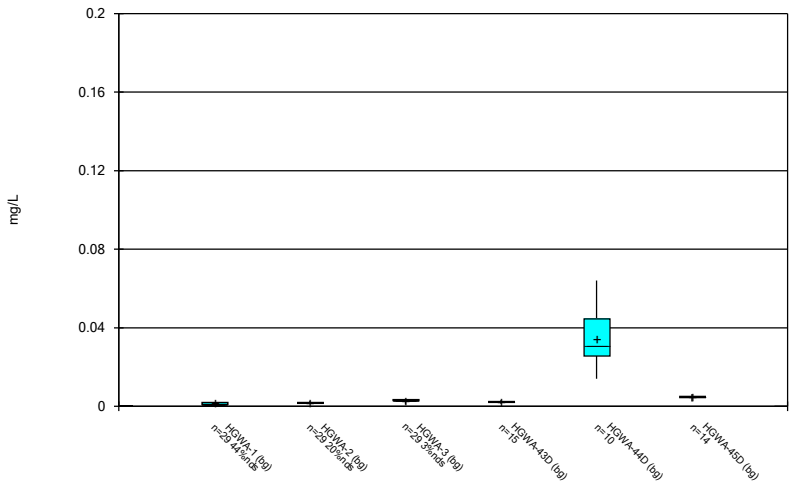


Constituent: Lead Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Lithium Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

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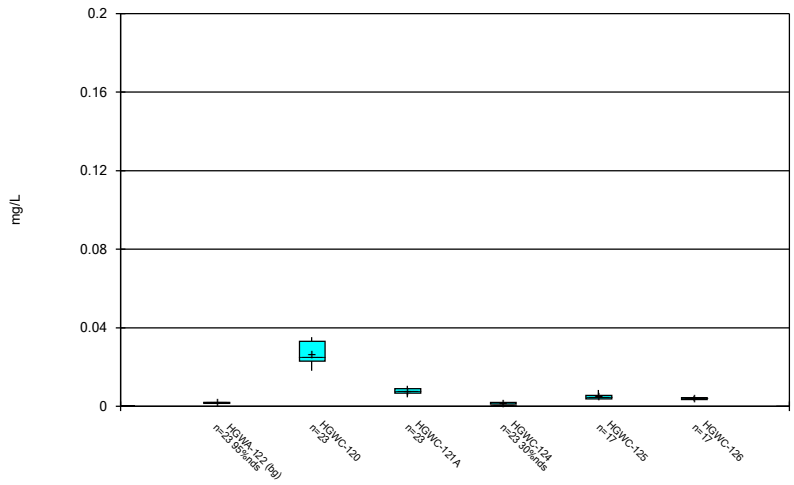
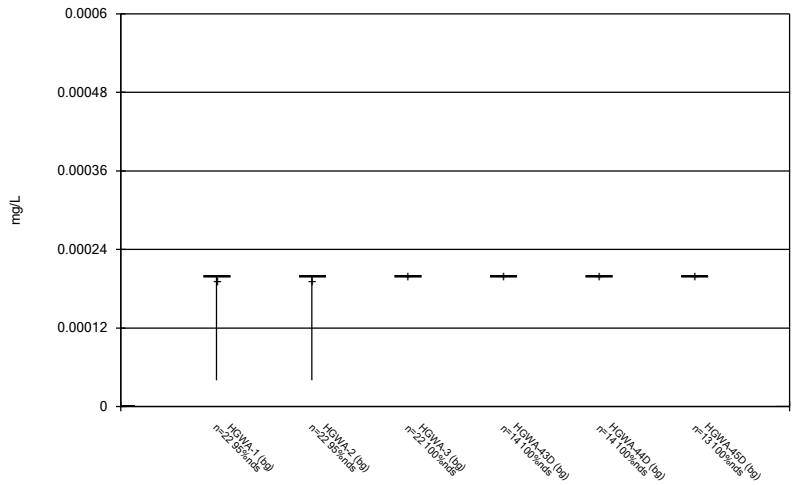
Box & Whiskers Plot



Constituent: Lithium Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Box & Whiskers Plot



Constituent: Mercury Analysis Run 10/16/2025 10:09 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

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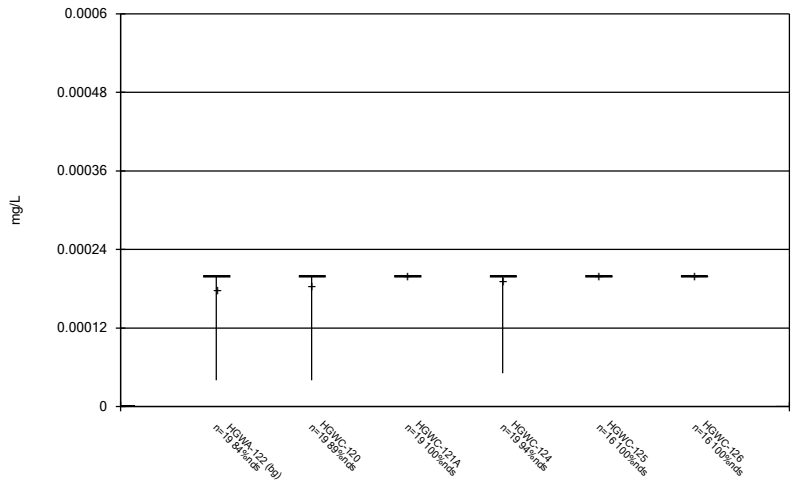
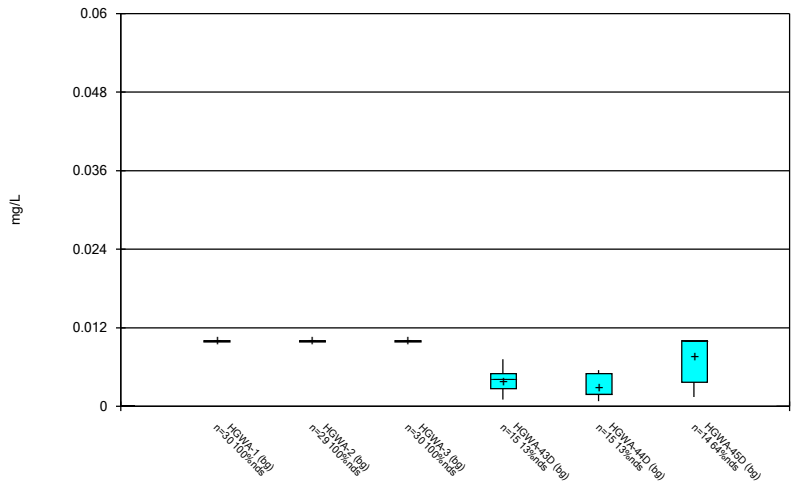
Box & Whiskers Plot



Constituent: Mercury Analysis Run 10/16/2025 10:09 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 10/16/2025 10:09 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

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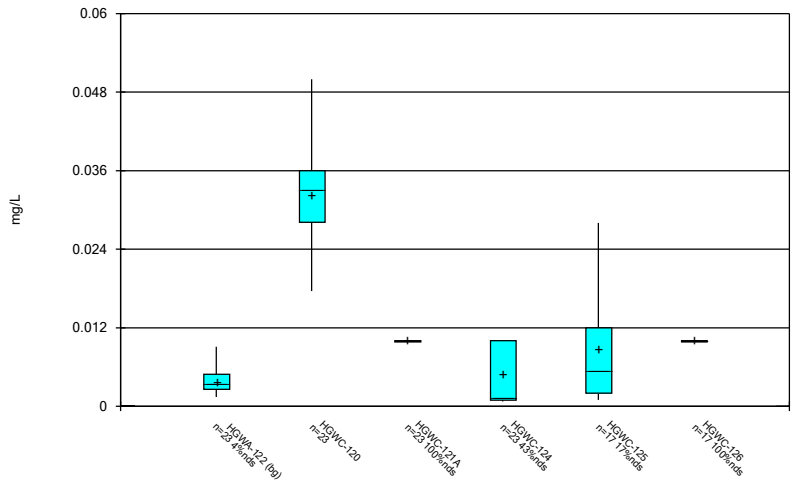
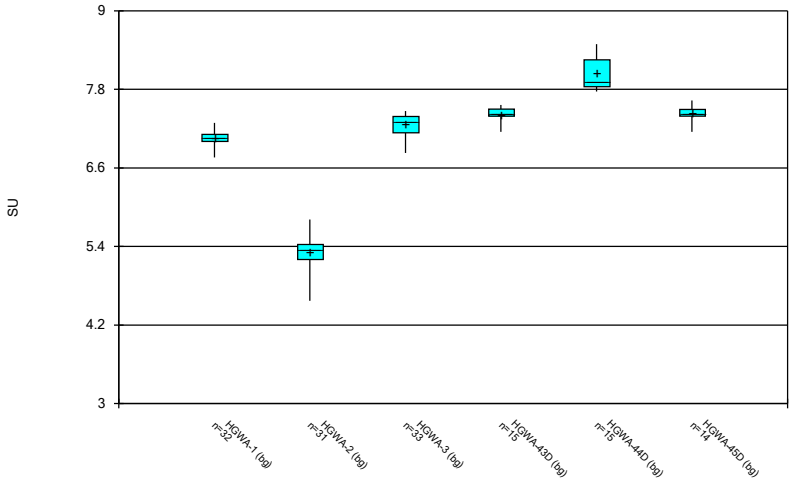
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 10/16/2025 10:09 AM
Plant Hammond Client: Southern Company Data: Hammond AP3

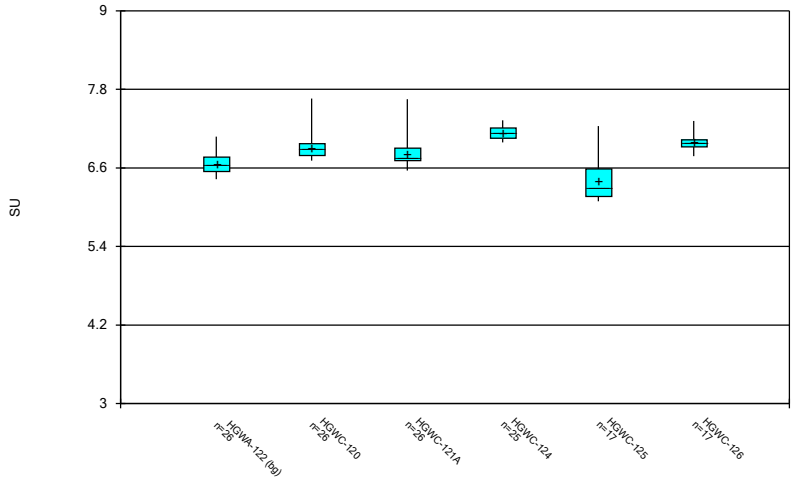
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

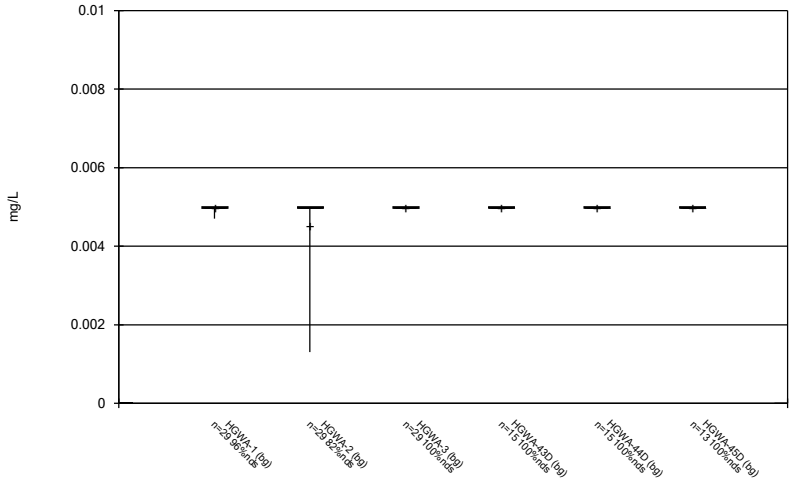
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

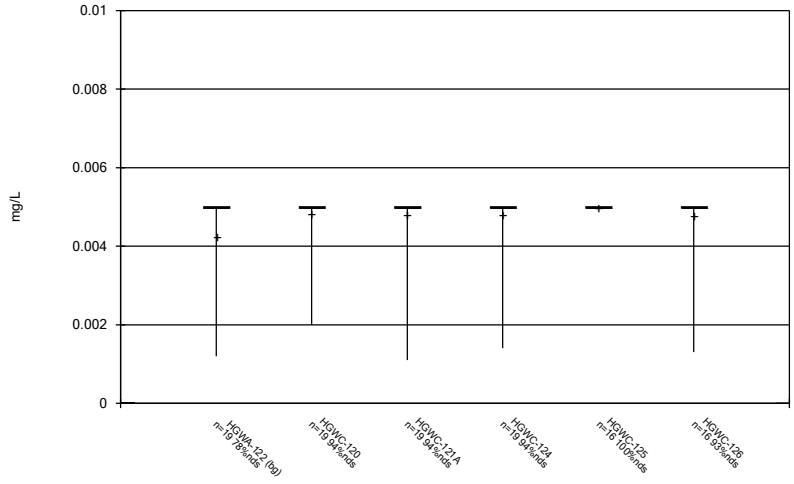
Box & Whiskers Plot



Constituent: Selenium Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

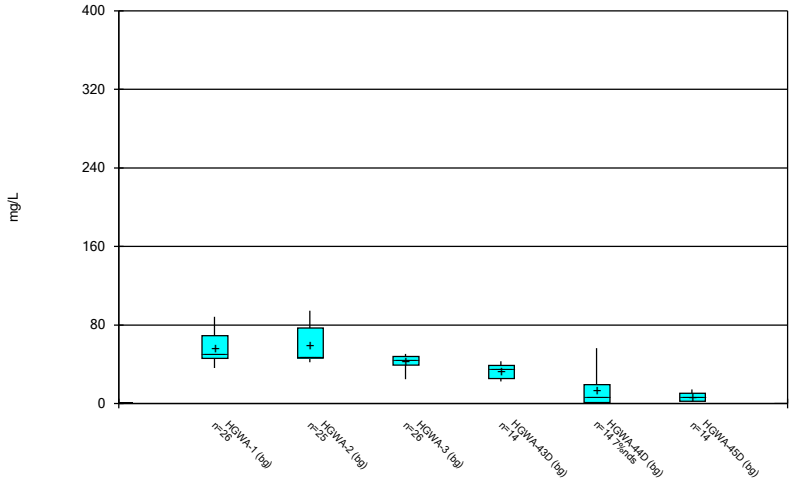
Box & Whiskers Plot



Constituent: Selenium Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

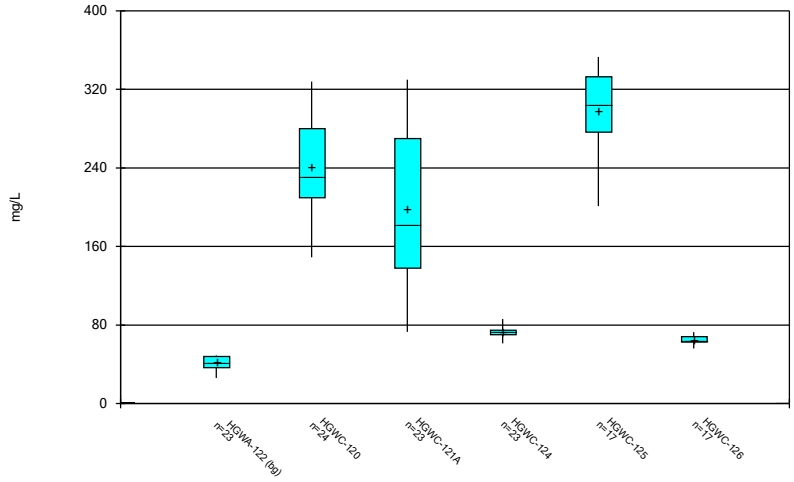
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

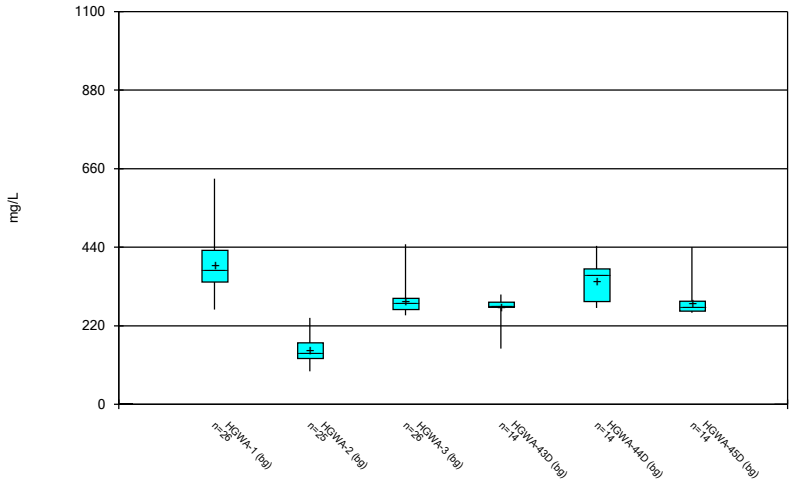
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

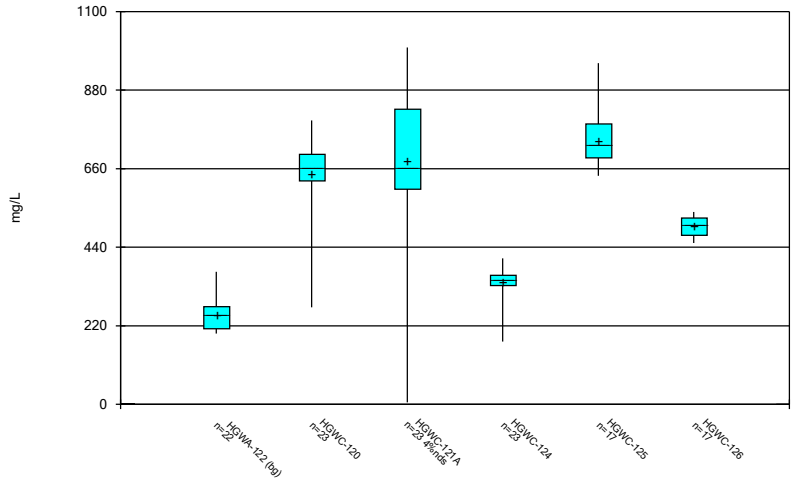
Box & Whiskers Plot



Constituent: TDS Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

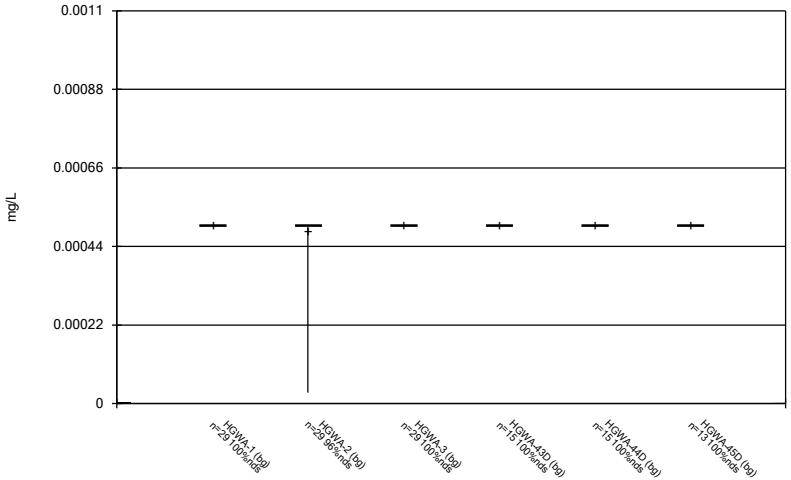
Box & Whiskers Plot



Constituent: TDS Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

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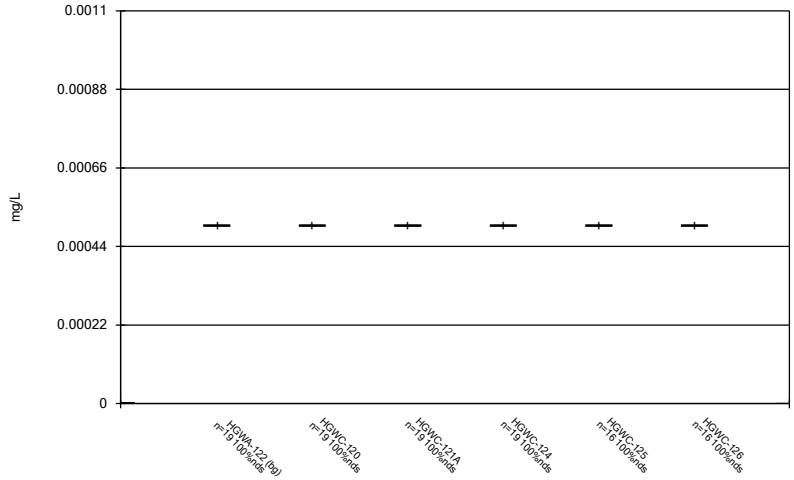
Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/16/2025 10:09 AM

Plant Hammond Client: Southern Company Data: Hammond AP3

FIGURE C.

Outlier Summary

Plant Hammond Client: Southern Company Data: Hammond AP3 Printed 10/15/2025, 11:56 AM

	HGWA-122 TDS (mg/L)
4/2/2019	814 (O)

FIGURE D.

Appendix III Interwell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP3 Printed 10/15/2025, 12:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**HGWC-120**	**0.55**	**n/a**	**8/7/2025**	**1.1**	**Yes**	**142**	**n/a**	**n/a**	**4.225**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-121A**	**0.55**	**n/a**	**8/7/2025**	**1.4**	**Yes**	**142**	**n/a**	**n/a**	**4.225**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-125**	**0.55**	**n/a**	**8/7/2025**	**1.5**	**Yes**	**142**	**n/a**	**n/a**	**4.225**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-120**	**138**	**n/a**	**8/7/2025**	**152**	**Yes**	**142**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-125**	**138**	**n/a**	**8/7/2025**	**156**	**Yes**	**142**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-120**	**94.5**	**n/a**	**8/7/2025**	**149**	**Yes**	**142**	**n/a**	**n/a**	**0.7042**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-125**	**94.5**	**n/a**	**8/7/2025**	**227**	**Yes**	**142**	**n/a**	**n/a**	**0.7042**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-120**	**632**	**n/a**	**8/7/2025**	**637**	**Yes**	**141**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009852**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-125**	**632**	**n/a**	**8/7/2025**	**706**	**Yes**	**141**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009852**	**NP Inter (normality) 1 of 2**

Appendix III Interwell Prediction Limits - All Results

Plant Hammond Client: Southern Company Data: Hammond AP3 Printed 10/15/2025, 12:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**HGWC-120**	**0.55**	**n/a**	**8/7/2025**	**1.1**	**Yes**	**142**	**n/a**	**n/a**	**4.225**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-121A**	**0.55**	**n/a**	**8/7/2025**	**1.4**	**Yes**	**142**	**n/a**	**n/a**	**4.225**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	HGWC-124	0.55	n/a	8/10/2025	0.44	No	142	n/a	n/a	4.225	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Boron (mg/L)	**HGWC-125**	**0.55**	**n/a**	**8/7/2025**	**1.5**	**Yes**	**142**	**n/a**	**n/a**	**4.225**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	HGWC-126	0.55	n/a	8/7/2025	0.014J	No	142	n/a	n/a	4.225	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Calcium (mg/L)	**HGWC-120**	**138**	**n/a**	**8/7/2025**	**152**	**Yes**	**142**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	HGWC-121A	138	n/a	8/7/2025	136	No	142	n/a	n/a	0	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-124	138	n/a	8/10/2025	101	No	142	n/a	n/a	0	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Calcium (mg/L)	**HGWC-125**	**138**	**n/a**	**8/7/2025**	**156**	**Yes**	**142**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	HGWC-126	138	n/a	8/7/2025	126	No	142	n/a	n/a	0	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-120	44.8	n/a	8/7/2025	2.5	No	142	n/a	n/a	0	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-121A	44.8	n/a	8/7/2025	9.3	No	142	n/a	n/a	0	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-124	44.8	n/a	8/10/2025	2.4	No	142	n/a	n/a	0	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-125	44.8	n/a	8/7/2025	8.5	No	142	n/a	n/a	0	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-126	44.8	n/a	8/7/2025	8.8	No	142	n/a	n/a	0	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-120	1.5	n/a	8/7/2025	0.44	No	161	n/a	n/a	19.88	n/a	n/a	0.00007576	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-121A	1.5	n/a	8/7/2025	0.23	No	161	n/a	n/a	19.88	n/a	n/a	0.00007576	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-124	1.5	n/a	8/10/2025	0.066J	No	161	n/a	n/a	19.88	n/a	n/a	0.00007576	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-125	1.5	n/a	8/7/2025	0.19	No	161	n/a	n/a	19.88	n/a	n/a	0.00007576	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-126	1.5	n/a	8/7/2025	0.62	No	161	n/a	n/a	19.88	n/a	n/a	0.00007576	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-120	8.49	4.57	8/7/2025	6.9	No	166	n/a	n/a	0	n/a	n/a	0.0001436	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-121A	8.49	4.57	8/7/2025	6.8	No	166	n/a	n/a	0	n/a	n/a	0.0001436	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-124	8.49	4.57	8/10/2025	7.14	No	166	n/a	n/a	0	n/a	n/a	0.0001436	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-125	8.49	4.57	8/7/2025	6.13	No	166	n/a	n/a	0	n/a	n/a	0.0001436	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-126	8.49	4.57	8/7/2025	6.92	No	166	n/a	n/a	0	n/a	n/a	0.0001436	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**HGWC-120**	**94.5**	**n/a**	**8/7/2025**	**149**	**Yes**	**142**	**n/a**	**n/a**	**0.7042**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	HGWC-121A	94.5	n/a	8/7/2025	91.3	No	142	n/a	n/a	0.7042	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-124	94.5	n/a	8/10/2025	61.6	No	142	n/a	n/a	0.7042	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**HGWC-125**	**94.5**	**n/a**	**8/7/2025**	**227**	**Yes**	**142**	**n/a**	**n/a**	**0.7042**	**n/a**	**n/a**	**0.00009736**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	HGWC-126	94.5	n/a	8/7/2025	68.9	No	142	n/a	n/a	0.7042	n/a	n/a	0.00009736	NP Inter (normality) 1 of 2
TDS (mg/L)	**HGWC-120**	**632**	**n/a**	**8/7/2025**	**637**	**Yes**	**141**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009852**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	HGWC-121A	632	n/a	8/7/2025	573	No	141	n/a	n/a	0	n/a	n/a	0.00009852	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-124	632	n/a	8/10/2025	333	No	141	n/a	n/a	0	n/a	n/a	0.00009852	NP Inter (normality) 1 of 2
TDS (mg/L)	**HGWC-125**	**632**	**n/a**	**8/7/2025**	**706**	**Yes**	**141**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009852**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	HGWC-126	632	n/a	8/7/2025	539	No	141	n/a	n/a	0	n/a	n/a	0.00009852	NP Inter (normality) 1 of 2

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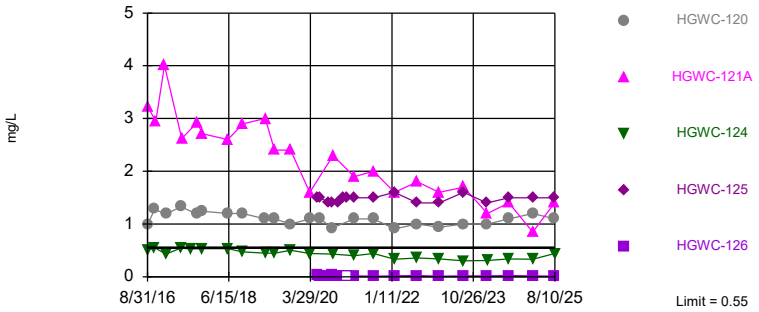
Hollow symbols indicate censored values.

Exceeds Limit: HGWC-120, HGWC-121A, HGWC-125

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 142 background values. 4.225% NDs. Annual per-constituent alpha = 0.0009732. Individual comparison alpha = 0.00009736 (1 of 2). Comparing 5 points to limit.

Constituent: Boron Analysis Run 10/15/2025 11:57 AM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP3

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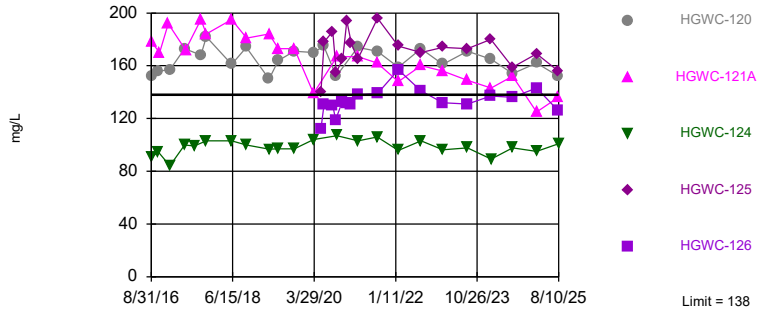
Exceeds Limit: HGWC-120, HGWC-125

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 142 background values. Annual per-constituent alpha = 0.0009732. Individual comparison alpha = 0.00009736 (1 of 2). Comparing 5 points to limit.

Constituent: Calcium Analysis Run 10/15/2025 11:57 AM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP3

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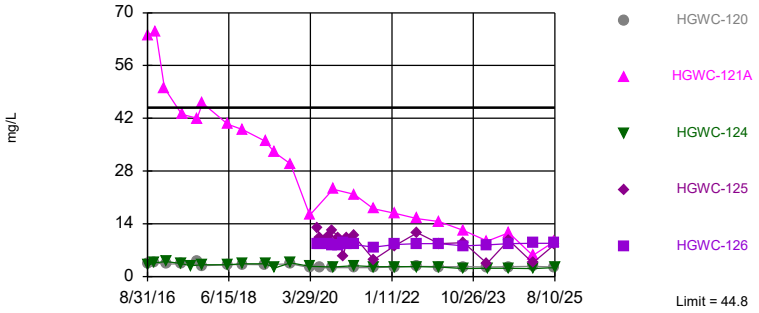
Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 142 background values. Annual per-constituent alpha = 0.0009732. Individual comparison alpha = 0.00009736 (1 of 2). Comparing 5 points to limit.

Constituent: Chloride Analysis Run 10/15/2025 11:57 AM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP3

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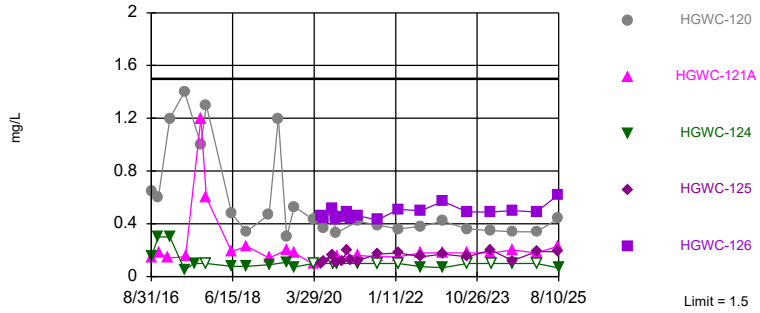
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



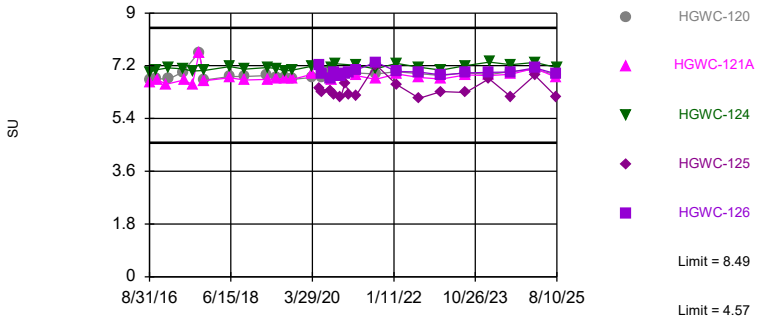
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 161 background values. 19.88% NDs. Annual per-constituent alpha = 0.0007573. Individual comparison alpha = 0.00007576 (1 of 2). Comparing 5 points to limit.

Constituent: Fluoride Analysis Run 10/15/2025 11:57 AM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP3

Within Limits

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 166 background values. Annual per-constituent alpha = 0.001435. Individual comparison alpha = 0.0001436 (1 of 2). Comparing 5 points to limit.

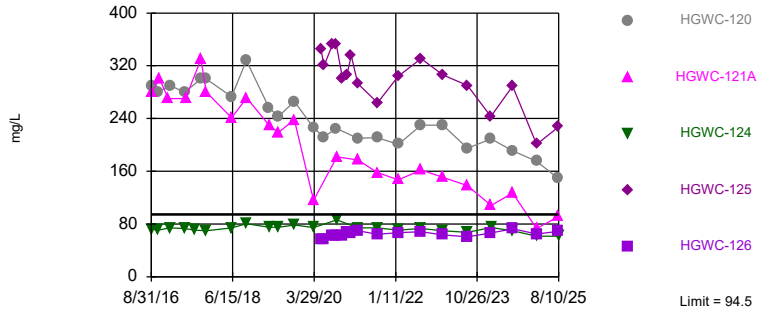
Constituent: pH, Field Analysis Run 10/15/2025 11:57 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

Exceeds Limit: HGWC-120, HGWC-125

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 142 background values. 0.7042% NDs. Annual per-constituent alpha = 0.0009732. Individual comparison alpha = 0.00009736 (1 of 2). Comparing 5 points to limit.

Constituent: Sulfate Analysis Run 10/15/2025 11:57 AM View: Appendix III Interwell

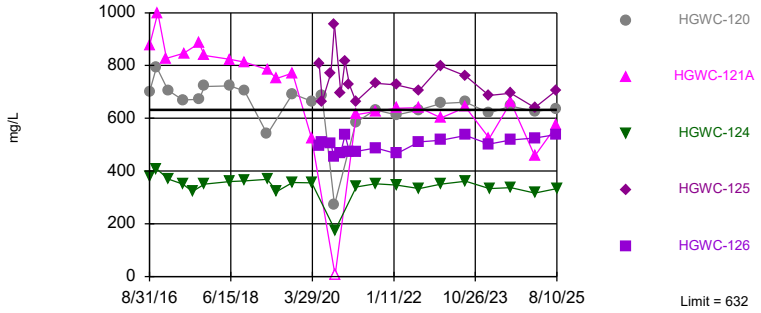
Plant Hammond Client: Southern Company Data: Hammond AP3

Hollow symbols indicate censored values.

Exceeds Limit: HGWC-120, HGWC-125

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 141 background values. Annual per-constituent alpha = 0.0009848. Individual comparison alpha = 0.00009852 (1 of 2). Comparing 5 points to limit.

Constituent: TDS Analysis Run 10/15/2025 11:57 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-122 (bg)	HGWC-120	HGWC-124	HGWC-121A	HGWC-125	HGWC-126
5/19/2016	0.0214 (J)	0.0321 (J)	<0.04						
7/11/2016	0.0142 (J)	0.0337 (J)							
7/12/2016			0.0074 (J)						
8/30/2016	0.0074 (J)	0.0173 (J)	<0.04	0.277					
8/31/2016					0.981	0.494	3.23		
10/19/2016	0.0224 (J)	0.0341 (J)	0.0085 (J)						
10/20/2016				0.336					
10/26/2016					1.28	0.55			
11/7/2016							2.95		
12/6/2016	0.0211 (J)	0.0326 (J)	0.0085 (J)						
1/13/2017							4.01		
1/24/2017	0.0165 (J)	0.0365 (J)	0.01 (J)						
1/25/2017				0.274					
1/27/2017					1.19	0.428			
3/21/2017	0.0187 (J)	0.0349 (J)	0.0079 (J)						
5/22/2017	0.0782	0.0475	0.0131 (J)						
5/25/2017				0.298	1.33	0.544			
6/3/2017							2.62		
8/11/2017				0.285		0.524			
10/2/2017					1.19		2.92		
10/3/2017	0.0198 (J)	0.0386 (J)	0.0097 (J)						
11/15/2017				0.322	1.24	0.531	2.71		
6/4/2018	0.02 (J)	0.036 (J)	0.017 (J)						
6/5/2018				0.24	1.2	0.53	2.6		
10/1/2018	0.013 (J)	0.035 (J)	0.0061 (J)						
10/2/2018				0.28	1.2	0.47			
10/5/2018							2.9		
4/1/2019			0.0066 (J)						
4/2/2019	0.016 (J)	0.034 (J)		0.18	1.1				
4/3/2019						0.45	3		
6/17/2019					1.1		2.4		
6/18/2019				0.25		0.45			
9/23/2019	0.021 (J)	0.04 (J)	0.0081 (J)						
10/21/2019				0.25		0.5	2.4		
10/22/2019					1				
3/24/2020				0.1		0.44			
3/25/2020	0.025 (J)	0.039 (J)	0.0096 (J)		1.1		1.6		
5/22/2020								1.5	0.026 (J)
6/15/2020					1.1				
6/16/2020	0.021 (J)		0.01 (J)					1.5	0.023 (J)
8/25/2020								1.4	0.016 (J)
9/15/2020	0.017 (J)	0.044 (J)	0.0071 (J)	0.22					
9/16/2020									
9/18/2020									0.041 (J)
9/21/2020					0.93			1.4	
9/25/2020									
9/28/2020						0.43	2.3		
11/10/2020									
11/11/2020									0.009 (J)
11/12/2020								1.4	
12/15/2020									
12/16/2020								1.5	0.011 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-122 (bg)	HGWC-120	HGWC-124	HGWC-121A	HGWC-125	HGWC-126
1/19/2021									
1/20/2021								1.5	<0.04
3/10/2021	0.015 (J)								
3/11/2021		0.056	0.015 (J)	0.2					
3/12/2021					1.1			1.5	0.016 (J)
3/15/2021						0.4	1.9		
8/11/2021	0.02 (J)								
8/12/2021		0.044	<0.04						
8/13/2021				0.19					
8/16/2021					1.1	0.44	2		
8/19/2021								1.5	0.011 (J)
2/1/2022	0.016 (J)	0.056	0.011 (J)	0.17					
2/2/2022					0.91	0.33	1.6		
2/3/2022								1.6	0.016 (J)
8/2/2022	0.012 (J)	0.047	<0.04	0.18					
8/4/2022					1	0.36	1.8	1.4	0.023 (J)
1/23/2023			0.012 (J)						
1/24/2023	0.015 (J)	0.046		0.17		0.34	1.6		
1/25/2023					0.94			1.4	0.014 (J)
8/8/2023	0.023 (J)	0.06	0.011 (J)	0.18					
8/10/2023					1		1.7	1.6	
8/11/2023						0.3			0.016 (J)
2/13/2024	0.02 (J)	0.051	<0.04	0.15					
2/14/2024								1.4	0.019 (J)
2/15/2024					1		1.2		
2/16/2024						0.31			
8/5/2024	0.02 (J)	0.057	<0.04						
8/6/2024				0.15			1.4		
8/7/2024					1.1	0.34		1.5	0.021 (J)
2/12/2025	0.021 (J)		0.011 (J)						
2/13/2025				0.15					
2/14/2025		0.053				0.33 (J)			
2/15/2025					1.2		0.85	1.5	0.016 (J)
8/5/2025	0.019 (J)	0.044	0.009 (J)	0.17					
8/7/2025					1.1		1.4	1.5	0.014 (J)
8/10/2025						0.44			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016			
7/11/2016			
7/12/2016			
8/30/2016			
8/31/2016			
10/19/2016			
10/20/2016			
10/26/2016			
11/7/2016			
12/6/2016			
1/13/2017			
1/24/2017			
1/25/2017			
1/27/2017			
3/21/2017			
5/22/2017			
5/25/2017			
6/3/2017			
8/11/2017			
10/2/2017			
10/3/2017			
11/15/2017			
6/4/2018			
6/5/2018			
10/1/2018			
10/2/2018			
10/5/2018			
4/1/2019			
4/2/2019			
4/3/2019			
6/17/2019			
6/18/2019			
9/23/2019			
10/21/2019			
10/22/2019			
3/24/2020			
3/25/2020			
5/22/2020			
6/15/2020			
6/16/2020			
8/25/2020			
9/15/2020			
9/16/2020	0.061 (J)	0.23	
9/18/2020			
9/21/2020			
9/25/2020			0.16
9/28/2020			
11/10/2020	0.057 (J)	0.29	
11/11/2020			0.17
11/12/2020			
12/15/2020	0.052 (J)	0.31	
12/16/2020			0.16

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
1/19/2021	0.049 (J)	0.4	
1/20/2021			0.19
3/10/2021		0.39	
3/11/2021	0.06		
3/12/2021			0.19
3/15/2021			
8/11/2021	0.042		
8/12/2021			
8/13/2021		0.31	0.15
8/16/2021			
8/19/2021			
2/1/2022	0.05	0.44	0.14
2/2/2022			
2/3/2022			
8/2/2022	0.043	0.31	0.14
8/4/2022			
1/23/2023			
1/24/2023	0.037 (J)	0.44	0.14
1/25/2023			
8/8/2023	0.038 (J)	0.55	0.15
8/10/2023			
8/11/2023			
2/13/2024	0.037 (J)	0.49	0.15
2/14/2024			
2/15/2024			
2/16/2024			
8/5/2024			
8/6/2024	0.043	0.52	0.16
8/7/2024			
2/12/2025	0.04 (J)	0.54	
2/13/2025			0.18
2/14/2025			
2/15/2025			
8/5/2025	0.039 (J)	0.45	0.15
8/7/2025			
8/10/2025			

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-122 (bg)	HGWC-120	HGWC-124	HGWC-121A	HGWC-125	HGWC-126
5/19/2016	138	22.9	76.2						
7/11/2016	97.2	22.3							
7/12/2016			61.5						
8/30/2016	97.5	26.4	65.1	71.3					
8/31/2016					152	90.4	178		
10/19/2016	99.2	21.7	73.2						
10/20/2016				90.3					
10/26/2016					156	94.5			
11/7/2016							170		
12/6/2016	105	18.2	74.9						
1/13/2017							192		
1/24/2017	95.7	18.5	69.6						
1/25/2017				77.3					
1/27/2017					157	84.2			
3/21/2017	106	18.6	75.7						
5/22/2017	107	17.8	71.5						
5/25/2017				69.9	173	100			
6/3/2017							172		
8/11/2017				79.5		99.1			
10/2/2017					168		195		
10/3/2017	102	20.2	76.3						
11/15/2017				72.8	182	103	184		
6/4/2018	124	19.1	73.4						
6/5/2018				71.4	161	103	195		
10/1/2018	108	20.5 (J)	80.9						
10/2/2018				66.6	174	100			
10/5/2018							181		
4/1/2019			80.5						
4/2/2019	132	22.5 (J)		60.9	150				
4/3/2019						96.7	184		
6/17/2019					164		173		
6/18/2019				75		97.1			
9/23/2019	118	19.5	71						
10/21/2019				80.8		96.9	173		
10/22/2019					171				
3/24/2020				81.2		104			
3/25/2020	127	23	89.8		170		139		
5/22/2020								140	112
6/15/2020					175				
6/16/2020	130		85.1					178	131
8/25/2020								186	130
9/15/2020	103	21.1	73.1	75.8					
9/16/2020									
9/18/2020									119
9/21/2020					152			155	
9/25/2020									
9/28/2020						107	167		
11/10/2020									
11/11/2020									133
11/12/2020								165	
12/15/2020									
12/16/2020								194	132

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-122 (bg)	HGWC-120	HGWC-124	HGWC-121A	HGWC-125	HGWC-126
1/19/2021									
1/20/2021								177	131
3/10/2021	111								
3/11/2021		43.8	83.8	60.4					
3/12/2021					174			165	138
3/15/2021						103	167		
8/11/2021	113								
8/12/2021		21.9	84						
8/13/2021				62.9					
8/16/2021					171	106	162		
8/19/2021								196	139
2/1/2022	106	27.2	85.1	57.5					
2/2/2022					159	95.9	148		
2/3/2022								175	157
8/2/2022	117	31.2	84.6	69.5					
8/4/2022					173	103	160	170	141
1/23/2023			85						
1/24/2023	117	29.4		63.3		96.2	156		
1/25/2023					161			174	132
8/8/2023	118	30.7	78.3	64.4					
8/10/2023					171		149	173	
8/11/2023						97.8			131
2/13/2024	116	38.8	83.6	61.9					
2/14/2024								180	137
2/15/2024					165		143		
2/16/2024						89.2			
8/5/2024	113	34.7	83.3						
8/6/2024				73.7			152		
8/7/2024					154	97.7		159	136
2/12/2025	125		86.6						
2/13/2025				68.8					
2/14/2025		51.5				95.1			
2/15/2025					162		125	169	143
8/5/2025	113	24.1	72.6	58.2					
8/7/2025					152		136	156	126
8/10/2025						101			

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016			
7/11/2016			
7/12/2016			
8/30/2016			
8/31/2016			
10/19/2016			
10/20/2016			
10/26/2016			
11/7/2016			
12/6/2016			
1/13/2017			
1/24/2017			
1/25/2017			
1/27/2017			
3/21/2017			
5/22/2017			
5/25/2017			
6/3/2017			
8/11/2017			
10/2/2017			
10/3/2017			
11/15/2017			
6/4/2018			
6/5/2018			
10/1/2018			
10/2/2018			
10/5/2018			
4/1/2019			
4/2/2019			
4/3/2019			
6/17/2019			
6/18/2019			
9/23/2019			
10/21/2019			
10/22/2019			
3/24/2020			
3/25/2020			
5/22/2020			
6/15/2020			
6/16/2020			
8/25/2020			
9/15/2020			
9/16/2020	56	30	
9/18/2020			
9/21/2020			
9/25/2020			56.8
9/28/2020			
11/10/2020	63.3	33.6	
11/11/2020			54.9
11/12/2020			
12/15/2020	62.6	28.7	
12/16/2020			56.4

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
1/19/2021	60.1	33	
1/20/2021			55
3/10/2021		12.1 (D)	
3/11/2021	59.6		
3/12/2021			56.5
3/15/2021			
8/11/2021	61		
8/12/2021			
8/13/2021		28.9	53
8/16/2021			
8/19/2021			
2/1/2022	55.9	24.8	51.3
2/2/2022			
2/3/2022			
8/2/2022	54.1	20.9	49.9
8/4/2022			
1/23/2023			
1/24/2023	56.6	13.2	53.9
1/25/2023			
8/8/2023	52.8	8.1	48.1
8/10/2023			
8/11/2023			
2/13/2024	53.3	9.9	50.7
2/14/2024			
2/15/2024			
2/16/2024			
8/5/2024			
8/6/2024	57.2	7.1	53.3
8/7/2024			
2/12/2025	61.8	7.2	
2/13/2025			55.9
2/14/2025			
2/15/2025			
8/5/2025	55.2	6	46.4
8/7/2025			
8/10/2025			

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-122 (bg)	HGWC-120	HGWC-124	HGWC-121A	HGWC-126	HGWC-125
5/19/2016	9.94	6.14	5.93						
7/11/2016	6.3	5.9							
7/12/2016			6.2						
8/30/2016	6	6.2	6.4	2.8					
8/31/2016					3.5	3	64		
10/19/2016	5.8	6.1	6.5						
10/20/2016				2.8					
10/26/2016					3.6	3.6			
11/7/2016							65		
12/6/2016	5.4	6	7.2						
1/13/2017							50		
1/24/2017	5.2	6.1	6.4						
1/25/2017				2.8					
1/27/2017					3.3	4			
3/21/2017	4.6	5.9	7.5						
5/22/2017	4.6	5.9	6.5						
5/25/2017				2.9	3.4	3.5			
6/3/2017							43		
8/11/2017				3		2.9			
10/2/2017					4.2		42		
10/3/2017	5.6	6.3	6.5						
11/15/2017				3.1	2.9	3.1	46		
6/4/2018	13.1	6.1	6.3						
6/5/2018				3	3.1	3.1	40.4		
10/1/2018	6.6	6.4	6.4						
10/2/2018				3.1	3.2	3.4			
10/5/2018							39		
4/1/2019			6.5						
4/2/2019	20.3	5.8		3.6	3.1				
4/3/2019						3.4	35.9		
6/17/2019							32.9		
6/18/2019				3.2		2.3 (J)			
9/23/2019	17.7	5.1	5.9						
10/21/2019				4.5		3.6	29.9		
10/22/2019					3.4				
3/24/2020				4.5		2.7			
3/25/2020	20.4	5.2	6.1		2.4		16.3		
5/22/2020								8.6	12.9
6/15/2020					2.3				
6/16/2020	41.1		5.8					8.6	10.4
8/25/2020								8.7	10.6
9/15/2020	13.4	5	6	3.6					
9/16/2020									
9/18/2020								8.4	
9/21/2020					2.4				12.1
9/25/2020									
9/28/2020						2.5	23.2		
11/10/2020									
11/11/2020								8.3	
11/12/2020									10.4
12/15/2020									
12/16/2020								8.9	5.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-122 (bg)	HGWC-120	HGWC-124	HGWC-121A	HGWC-126	HGWC-125
1/19/2021									
1/20/2021								8.5	10.2
3/10/2021	7.4								
3/11/2021		5.1	5.9	2.3					
3/12/2021					2.4			8.5	10.8
3/15/2021						2.9	21.8		
8/11/2021	9.6								
8/12/2021		5.2	4.8						
8/13/2021				2.6					
8/16/2021					2.4	2.6	18		
8/19/2021								7.8	4.5
2/1/2022	7.5	7	5.7	2.2					
2/2/2022					2.5	2.6	16.8		
2/3/2022								8.5	8.1
8/2/2022	14.1	7.8	5.9	2.7					
8/4/2022					2.7	2.6	15.4	8.7	11.6
1/23/2023			5.6						
1/24/2023	9	7.1		2.4		2.5	14.6		
1/25/2023					2.6			8.7	8.7
8/8/2023	26	6.6	5.3	2.2					
8/10/2023					2.6		12.2		9
8/11/2023						2.1		8.1	
2/13/2024	10	6.3	5.3	2.4					
2/14/2024								8.4	3.5
2/15/2024					2.5		9.4		
2/16/2024						2.2			
8/5/2024	8.7	7.9	5.2						
8/6/2024				2.1			11.6		
8/7/2024					2.6	2.2		8.7	9.7
2/12/2025	4.8		5						
2/13/2025				1.6					
2/14/2025		8.5				2.1			
2/15/2025					2.7		5.6	8.8	3.6
8/5/2025	17.2	9.6	5.5	1.8					
8/7/2025					2.5		9.3	8.8	8.5
8/10/2025						2.4			

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-45D (bg)
5/19/2016			
7/11/2016			
7/12/2016			
8/30/2016			
8/31/2016			
10/19/2016			
10/20/2016			
10/26/2016			
11/7/2016			
12/6/2016			
1/13/2017			
1/24/2017			
1/25/2017			
1/27/2017			
3/21/2017			
5/22/2017			
5/25/2017			
6/3/2017			
8/11/2017			
10/2/2017			
10/3/2017			
11/15/2017			
6/4/2018			
6/5/2018			
10/1/2018			
10/2/2018			
10/5/2018			
4/1/2019			
4/2/2019			
4/3/2019			
6/17/2019			
6/18/2019			
9/23/2019			
10/21/2019			
10/22/2019			
3/24/2020			
3/25/2020			
5/22/2020			
6/15/2020			
6/16/2020			
8/25/2020			
9/15/2020			
9/16/2020	5.65 (D)	4.1	
9/18/2020			
9/21/2020			
9/25/2020			3.6
9/28/2020			
11/10/2020	7.8	4.4	
11/11/2020			3.3
11/12/2020			
12/15/2020	9.4	4.7	
12/16/2020			3.4

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-45D (bg)
1/19/2021	9.5	4.1	
1/20/2021			3.5
3/10/2021	12.3		
3/11/2021		4.5	
3/12/2021			3.3
3/15/2021			
8/11/2021		3.5	
8/12/2021			
8/13/2021	39.9		3.3
8/16/2021			
8/19/2021			
2/1/2022	44.8	4.1	3.5
2/2/2022			
2/3/2022			
8/2/2022	19.8	4.3	3.9
8/4/2022			
1/23/2023			
1/24/2023	24.9	4.3	3.5
1/25/2023			
8/8/2023	27	3.5	3.6
8/10/2023			
8/11/2023			
2/13/2024	27.7	3.9	3.4
2/14/2024			
2/15/2024			
2/16/2024			
8/5/2024			
8/6/2024	30.2	4	3.6
8/7/2024			
2/12/2025	30.7	3.8	
2/13/2025			3.2
2/14/2025			
2/15/2025			
8/5/2025	29.7	4	3.8
8/7/2025			
8/10/2025			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-3 (bg)	HGWA-2 (bg)	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-126	HGWC-125
5/19/2016	0.105 (J)	0.0513 (J)	0.0303 (J)						
7/11/2016	0.16 (J)		0.05 (J)						
7/12/2016		0.12 (J)							
8/30/2016	0.09 (J)	0.09 (J)	0.06 (J)	0.19 (J)					
8/31/2016					0.65	0.14 (J)	0.15 (J)		
10/19/2016	0.1 (J)	0.1 (J)	0.04 (J)						
10/20/2016				0.13 (J)					
10/26/2016					0.6		0.3		
11/7/2016						0.18 (J)			
12/6/2016	0.11 (J)	0.21 (J)	0.36						
1/13/2017						0.14 (J)			
1/24/2017	0.09 (J)	0.06 (J)	<0.1						
1/25/2017				0.22 (J)					
1/27/2017					1.2		0.3		
3/21/2017	0.13 (J)	0.005 (J)	<0.1						
5/22/2017	0.12 (J)	0.05 (J)	<0.1						
5/25/2017				0.12 (J)	1.4		0.05 (J)		
6/3/2017						0.15 (J)			
8/11/2017				0.12 (J)			0.1 (J)		
10/2/2017					1	1.2			
10/3/2017	0.13 (J)	0.13 (J)	<0.1						
11/15/2017				0.05 (J)	1.3	0.6	<0.1		
4/2/2018	<0.1		<0.1						
4/3/2018		<0.1							
6/4/2018	0.074 (J)	<0.1	<0.1						
6/5/2018				0.15 (J)	0.48	0.19 (J)	0.078 (J)		
10/1/2018	<0.1	<0.1	<0.1						
10/2/2018				0.22 (J)	0.34		0.078 (J)		
10/5/2018						0.23 (J)			
3/12/2019	0.29 (J)	0.072 (J)	0.038 (J)						
4/1/2019		0.029 (J)							
4/2/2019	0.1 (J)		0.071 (J)	0.2 (J)	0.47				
4/3/2019						0.14 (J)	0.089 (J)		
6/17/2019					1.2				
6/18/2019				0.14 (J)					
8/22/2019				0.12 (J)	0.3 (J)	0.2 (J)			
8/23/2019							0.11 (J)		
9/23/2019	0.078 (J)	<0.1	<0.1						
10/21/2019				0.15 (J)		0.18 (J)	0.073 (J)		
10/22/2019					0.53				
3/2/2020	0.076 (J)	<0.1	<0.1						
3/24/2020				0.085 (J)			<0.1		
3/25/2020	0.098 (J)	<0.1	<0.1		0.43	0.095 (J)			
5/22/2020								0.46	0.1 (J)
6/15/2020					0.37				
6/16/2020	0.071 (J)	<0.1						0.44	0.12
8/24/2020				0.075 (J)					
8/25/2020		<0.1	<0.1					0.52	0.16
8/26/2020					0.48	0.16			
8/27/2020							<0.1		
8/28/2020	0.08 (J)								
9/15/2020	0.082 (J)	<0.1	<0.1	0.096 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-3 (bg)	HGWA-2 (bg)	HGWA-122 (bg)	HGWC-120	HGWC-121A	HGWC-124	HGWC-126	HGWC-125
9/16/2020									
9/18/2020								0.43	
9/21/2020					0.33				0.11
9/25/2020									
9/28/2020						0.15	<0.1		
11/10/2020									
11/11/2020								0.45	
11/12/2020									0.12
12/15/2020									
12/16/2020								0.49	0.2
1/19/2021									
1/20/2021								0.44	0.13
2/8/2021	0.078 (J)								
2/9/2021		0.074 (J)	<0.1						
3/10/2021	0.079 (J)								
3/11/2021		<0.1	0.1	0.059 (J)					
3/12/2021					0.42			0.46	0.12
3/15/2021						0.16	<0.1		
8/11/2021	0.058 (J)								
8/12/2021		<0.1	<0.1						
8/13/2021				0.065 (J)					
8/16/2021					0.39	0.15	<0.1		
8/19/2021								0.43	0.17
2/1/2022	0.064 (J)	<0.1	<0.1	0.062 (J)					
2/2/2022					0.36	0.15	<0.1		
2/3/2022								0.51	0.18
8/2/2022	0.09 (J)	0.067 (J)	0.053 (J)	0.1					
8/4/2022					0.38	0.18	0.074 (J)	0.5	0.15
1/23/2023		0.061 (J)							
1/24/2023	0.089 (J)		0.053 (J)	0.13		0.18	0.068 (J)		
1/25/2023					0.42			0.57	0.17
8/8/2023	0.088 (J)	0.055 (J)	0.07 (J)	0.091 (J)					
8/10/2023					0.36	0.18			0.15
8/11/2023							<0.1	0.49	
2/13/2024	0.071 (J)	<0.1	0.17	0.081 (J)					
2/14/2024								0.49	0.2
2/15/2024					0.35	0.18			
2/16/2024							<0.1		
8/5/2024	0.11	0.077 (J)	0.12						
8/6/2024				0.14		0.2			
8/7/2024					0.34		<0.1	0.5	0.12
2/12/2025	0.1	0.073 (J)							
2/13/2025				0.12					
2/14/2025			0.1				<0.1		
2/15/2025					0.34	0.18		0.49	0.19
8/5/2025	0.055 (J)	<0.1	<0.1	0.092 (J)					
8/7/2025					0.44	0.23		0.62	0.19
8/10/2025							0.066 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-45D (bg)
5/19/2016			
7/11/2016			
7/12/2016			
8/30/2016			
8/31/2016			
10/19/2016			
10/20/2016			
10/26/2016			
11/7/2016			
12/6/2016			
1/13/2017			
1/24/2017			
1/25/2017			
1/27/2017			
3/21/2017			
5/22/2017			
5/25/2017			
6/3/2017			
8/11/2017			
10/2/2017			
10/3/2017			
11/15/2017			
4/2/2018			
4/3/2018			
6/4/2018			
6/5/2018			
10/1/2018			
10/2/2018			
10/5/2018			
3/12/2019			
4/1/2019			
4/2/2019			
4/3/2019			
6/17/2019			
6/18/2019			
8/22/2019			
8/23/2019			
9/23/2019			
10/21/2019			
10/22/2019			
3/2/2020			
3/24/2020			
3/25/2020			
5/22/2020			
6/15/2020			
6/16/2020			
8/24/2020			
8/25/2020			
8/26/2020			
8/27/2020			
8/28/2020			
9/15/2020			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-45D (bg)
9/16/2020	0.37 (D)	0.22	
9/18/2020			
9/21/2020			
9/25/2020			0.21
9/28/2020			
11/10/2020	0.59	0.19	
11/11/2020			0.19
11/12/2020			
12/15/2020	0.67	0.21	
12/16/2020			0.18
1/19/2021	0.74	0.16	
1/20/2021			0.22
2/8/2021			
2/9/2021	0.44	0.19	
3/10/2021	0.65		
3/11/2021		0.2	
3/12/2021			0.2
3/15/2021			
8/11/2021		0.15	
8/12/2021			
8/13/2021	0.87		0.2
8/16/2021			
8/19/2021			
2/1/2022	0.96	0.19	0.15
2/2/2022			
2/3/2022			
8/2/2022	0.8	0.22	0.21
8/4/2022			
1/23/2023			
1/24/2023	1.3	0.23	0.19
1/25/2023			
8/8/2023	1.3	0.18	0.19
8/10/2023			
8/11/2023			
2/13/2024	1.5	0.2	0.17
2/14/2024			
2/15/2024			
2/16/2024			
8/5/2024			
8/6/2024	1.3	0.21	0.2
8/7/2024			
2/12/2025	1.1	0.21	
2/13/2025			0.22
2/14/2025			
2/15/2025			
8/5/2025	0.87	0.16	0.19
8/7/2025			
8/10/2025			

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-3 (bg)	HGWA-2 (bg)	HGWA-122 (bg)	HGWC-121A	HGWC-124	HGWC-120	HGWC-126	HGWC-125
5/19/2016	7.27	7.45	5.81						
7/11/2016	7.06		5.68						
7/12/2016		7.32							
8/30/2016	7.28	7.43	5.63	6.75					
8/31/2016					6.62	6.99	6.73		
10/19/2016	7.02	7.03	5.46						
10/20/2016				6.73					
10/26/2016						7.06	6.77		
11/7/2016					6.71				
12/6/2016	7.09	7.08	5.38						
1/13/2017					6.57				
1/24/2017	7.2	7.39	5.37						
1/25/2017				6.88					
1/27/2017						7.13	6.74		
3/21/2017	7.01	6.83	4.9						
5/22/2017	7.11	7.02	5.2						
5/25/2017				6.55		7.1	6.99		
6/3/2017					6.71				
8/11/2017				6.56	6.56	7.02			
10/2/2017					7.65		7.66		
10/3/2017	7.21	7.47	5.3						
11/15/2017				6.47	6.69	7.04	6.71		
4/2/2018	7.1		5.4						
4/3/2018		7.38							
6/4/2018	7.06	7.38	5.27						
6/5/2018				6.66	6.79	7.17	6.83		
10/1/2018	7.09	7.13	5.31						
10/2/2018				6.44		7.08	6.83		
10/5/2018					6.71				
3/12/2019	7.03	7.29	5.42						
4/1/2019		7.16							
4/2/2019	6.86		5.41	6.57			6.87		
4/3/2019					6.73	7.14			
6/17/2019					6.75		6.79		
6/18/2019				6.46		7.11			
8/22/2019				6.51	6.77		6.79		
8/23/2019						7.02			
9/23/2019	7.02	7.3	5.33						
9/30/2019	7	7.37	5.35						
10/21/2019				6.69	6.74	7.05			
10/22/2019							6.74		
3/2/2020	7.1	7.12	5.43						
3/24/2020				7.08		7.18			
3/25/2020	6.95	7.4	5.36		6.91		6.8		
5/22/2020								7.22	6.43
6/15/2020							6.8		
6/16/2020	6.97	7.31						6.92	6.29
8/24/2020				6.54					
8/25/2020		7.14	5.15					6.78	6.36
8/26/2020					6.73		6.96		
8/27/2020						7.15			
8/28/2020	7.02								

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-3 (bg)	HGWA-2 (bg)	HGWA-122 (bg)	HGWC-121A	HGWC-124	HGWC-120	HGWC-126	HGWC-125
9/15/2020	7.15	7.29	5.22	6.68					
9/16/2020									
9/18/2020								6.97	
9/21/2020							6.98		6.22
9/25/2020									
9/28/2020					6.93	7.27			
11/10/2020									
11/11/2020								6.86	
11/12/2020									6.13
12/15/2020									
12/16/2020								6.93	6.61
1/19/2021									
1/20/2021								6.99	6.23
2/8/2021	7.11								
2/9/2021		7.23	5.42						
3/10/2021	6.95								
3/11/2021		7.33	5.8	6.65					
3/12/2021							6.95	7.05	6.18
3/15/2021					6.87	7.22			
8/11/2021	6.98								
8/12/2021		7.31	5.05						
8/13/2021				6.56					
8/16/2021					6.74	7.09	6.92		
8/19/2021								7.32	7.24
2/1/2022	7.19	7.45	5.24	6.57					
2/2/2022					6.92	7.28	7		
2/3/2022								7.01	6.56
8/2/2022	7.03	7.02	4.57	6.67					
8/4/2022					6.8	7.15	6.93	6.99	6.09
1/23/2023		7.32							
1/24/2023	6.76		5.22	6.43	6.75	7.05			
1/25/2023							6.87	6.89	6.32
8/8/2023	7.05	7.42	5.01	6.67					
8/10/2023					6.89		6.96		6.29
8/11/2023						7.2		6.95	
2/13/2024	7.06	7.35	5.49	6.82					
2/14/2024								6.98	6.76
2/15/2024					6.87		6.9		
2/16/2024						7.33			
5/3/2024				6.78					
8/5/2024	7.29	7.27	4.91						
8/6/2024				6.86	6.91				
8/7/2024						7.24	7.01	6.99	6.15
2/12/2025	7.08	7.37							
2/13/2025				6.99					
2/14/2025		7.45	5.75			7.31			
2/15/2025					7.12		7.06	7.13	6.88
8/5/2025	6.94	7.12	4.9	6.58					
8/7/2025					6.8		6.9	6.92	6.13
8/10/2025						7.14			

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016			
7/11/2016			
7/12/2016			
8/30/2016			
8/31/2016			
10/19/2016			
10/20/2016			
10/26/2016			
11/7/2016			
12/6/2016			
1/13/2017			
1/24/2017			
1/25/2017			
1/27/2017			
3/21/2017			
5/22/2017			
5/25/2017			
6/3/2017			
8/11/2017			
10/2/2017			
10/3/2017			
11/15/2017			
4/2/2018			
4/3/2018			
6/4/2018			
6/5/2018			
10/1/2018			
10/2/2018			
10/5/2018			
3/12/2019			
4/1/2019			
4/2/2019			
4/3/2019			
6/17/2019			
6/18/2019			
8/22/2019			
8/23/2019			
9/23/2019			
9/30/2019			
10/21/2019			
10/22/2019			
3/2/2020			
3/24/2020			
3/25/2020			
5/22/2020			
6/15/2020			
6/16/2020			
8/24/2020			
8/25/2020			
8/26/2020			
8/27/2020			
8/28/2020			

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
9/15/2020			
9/16/2020	7.52	7.83	
9/18/2020			
9/21/2020			
9/25/2020			7.57
9/28/2020			
11/10/2020	7.27	7.84	
11/11/2020			7.4
11/12/2020			
12/15/2020	7.39	7.87	
12/16/2020			7.39
1/19/2021	7.39	7.86	
1/20/2021			7.47
2/8/2021			
2/9/2021	7.44	7.84	
3/10/2021		7.92	
3/11/2021	7.46		
3/12/2021			7.52
3/15/2021			
8/11/2021	7.4		
8/12/2021			
8/13/2021		7.77	7.42
8/16/2021			
8/19/2021			
2/1/2022	7.52	8.25	7.45
2/2/2022			
2/3/2022			
8/2/2022	7.15	7.9	7.39
8/4/2022			
1/23/2023			
1/24/2023	7.56	8.22	7.15
1/25/2023			
8/8/2023	7.39	8.2	7.39
8/10/2023			
8/11/2023			
2/13/2024	7.47	8.1	7.47
2/14/2024			
2/15/2024			
2/16/2024			
5/3/2024			
8/5/2024			
8/6/2024	7.46	8.36	7.47
8/7/2024			
2/12/2025	7.5	8.49	
2/13/2025			7.63
2/14/2025			
2/15/2025			
8/5/2025	7.42	8.46	7.41
8/7/2025			
8/10/2025			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-122 (bg)	HGWC-120	HGWC-124	HGWC-121A	HGWC-125	HGWC-126
5/19/2016	66.9	48.6	42.3						
7/11/2016	41	45							
7/12/2016			44						
8/30/2016	36	42	40	49					
8/31/2016					290	72	280		
10/19/2016	46	44	43						
10/20/2016				49					
10/26/2016					280	71			
11/7/2016							300		
12/6/2016	59	44	43						
1/13/2017							270		
1/24/2017	46	46	48						
1/25/2017				48					
1/27/2017					290	74			
3/21/2017	63	46	45						
5/22/2017	77	48	46						
5/25/2017				48	280	73			
6/3/2017							270		
8/11/2017				47		71			
10/2/2017					300		330		
10/3/2017	42	47	48						
11/15/2017				49	300	70	280		
6/4/2018	71.8	47.8	46.6						
6/5/2018				48.9	273	74	241		
10/1/2018	49.1	48.1	48.6						
10/2/2018				48.6	328	80.7			
10/5/2018							271		
4/1/2019			50.4						
4/2/2019	84.3	48.7		39.6	256				
4/3/2019						75.2	230		
6/17/2019					243		219		
6/18/2019				44.5		75.3			
9/23/2019	70.2	47.2	43.9						
10/21/2019				45.6		78.5	238		
10/22/2019					266				
3/24/2020				25.9		74.6			
3/25/2020	85.9	46.3	50.5		226		116		
5/22/2020								345	56.1
6/15/2020					212				
6/16/2020	88.2		49.5					320	57.6
8/25/2020								353	62.8
9/15/2020	47.3	51.5	44.7	41.4					
9/16/2020									
9/18/2020									62.7
9/21/2020					225			352	
9/25/2020									
9/28/2020						86.2	182		
11/10/2020									
11/11/2020									62.3
11/12/2020								300	
12/15/2020									
12/16/2020								306	68.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-122 (bg)	HGWC-120	HGWC-124	HGWC-121A	HGWC-125	HGWC-126
1/19/2021									
1/20/2021								335	66.6
3/10/2021	49.6								
3/11/2021		52.9	50.4	40.7					
3/12/2021					210			293	69.7
3/15/2021						74	177		
8/11/2021	48.9								
8/12/2021		47.4	38.6						
8/13/2021				42.1					
8/16/2021					211	74	158		
8/19/2021								264	64.4
2/1/2022	43.7	67.1	46	41.1					
2/2/2022					201	70.7	147		
2/3/2022								304	66.8
8/2/2022	58.1	86.9	43.5	41.5					
8/4/2022					230	73.1	162	331	68.3
1/23/2023			39.5						
1/24/2023	48.3	79.7		36.5		69.6	151		
1/25/2023					230			306	63.7
8/8/2023	67.7	89.9	35	34.9					
8/10/2023					195		138	290	
8/11/2023						67.6			60.5
2/13/2024	50.4	93.9	35.5	35.6					
2/14/2024								243	66.4
2/15/2024					209		108		
2/16/2024						74.5			
8/5/2024	49.4	87.2	31.1						
8/6/2024				37.8			127		
8/7/2024					191	69.7		289	72.8
2/12/2025	43.8		28						
2/13/2025				32.7					
2/14/2025		94.5				61.4			
2/15/2025					175		73.1	201	64.8
8/5/2025	57.6	74	24.9	35.5					
8/7/2025					149		91.3	227	68.9
8/10/2025						61.6			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
5/19/2016			
7/11/2016			
7/12/2016			
8/30/2016			
8/31/2016			
10/19/2016			
10/20/2016			
10/26/2016			
11/7/2016			
12/6/2016			
1/13/2017			
1/24/2017			
1/25/2017			
1/27/2017			
3/21/2017			
5/22/2017			
5/25/2017			
6/3/2017			
8/11/2017			
10/2/2017			
10/3/2017			
11/15/2017			
6/4/2018			
6/5/2018			
10/1/2018			
10/2/2018			
10/5/2018			
4/1/2019			
4/2/2019			
4/3/2019			
6/17/2019			
6/18/2019			
9/23/2019			
10/21/2019			
10/22/2019			
3/24/2020			
3/25/2020			
5/22/2020			
6/15/2020			
6/16/2020			
8/25/2020			
9/15/2020			
9/16/2020	43	24.95 (D)	
9/18/2020			
9/21/2020			
9/25/2020			6.8
9/28/2020			
11/10/2020	39	6.3	
11/11/2020			11.2
11/12/2020			
12/15/2020	38.8	6.7	
12/16/2020			11.3

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-45D (bg)
1/19/2021	37.3	7.4	
1/20/2021			14.2
3/10/2021		<1	
3/11/2021	38.6		
3/12/2021			8.7
3/15/2021			
8/11/2021	30.5		
8/12/2021			
8/13/2021		56.1	8.1
8/16/2021			
8/19/2021			
2/1/2022	37.5	56.3	2.5
2/2/2022			
2/3/2022			
8/2/2022	37	13.2	2.1
8/4/2022			
1/23/2023			
1/24/2023	34.7	10.1	5.2
1/25/2023			
8/8/2023	25.6	1.3	2.2
8/10/2023			
8/11/2023			
2/13/2024	28.9	2	6
2/14/2024			
2/15/2024			
2/16/2024			
8/5/2024			
8/6/2024	25.5	0.86 (J)	2.9
8/7/2024			
2/12/2025	25.2	0.51 (J)	
2/13/2025			9.5
2/14/2025			
2/15/2025			
8/5/2025	22.4	0.85 (J)	2
8/7/2025			
8/10/2025			

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-3 (bg)	HGWA-2 (bg)	HGWA-122 (bg)	HGWC-124	HGWC-121A	HGWC-120	HGWC-126	HGWC-125
5/19/2016	421	267	143						
7/11/2016	363		125						
7/12/2016		249							
8/30/2016	330	254	168	280					
8/31/2016					379	876	700		
10/19/2016	380	357	176						
10/20/2016				265					
10/26/2016					409		795		
11/7/2016						1000			
12/6/2016	377	285	145						
1/13/2017						827			
1/24/2017	342	300	129						
1/25/2017				371					
1/27/2017					370		706		
3/21/2017	340	288	103						
5/22/2017	338	263	92						
5/25/2017				237	351		669		
6/3/2017						846			
8/11/2017				253	322				
10/2/2017						884	672		
10/3/2017	343	300	127						
11/15/2017				261	350	838	721		
6/4/2018	415	266	140						
6/5/2018				276	360	823	723		
10/1/2018	354	291	135						
10/2/2018				256	363		703		
10/5/2018						813			
4/1/2019		284							
4/2/2019	452		133	814 (O)			540		
4/3/2019					369	785			
6/17/2019						751			
6/18/2019				233	323				
9/23/2019	442	268	129						
10/21/2019				296	357	771			
10/22/2019							693		
3/24/2020				278	355				
3/25/2020	496	284	138			521	665		
5/22/2020								496	809
6/15/2020							685		
6/16/2020	632	448						508	665
8/25/2020								505	772
9/15/2020	265	258	124	267					
9/16/2020									
9/18/2020								452	
9/21/2020							272		956
9/25/2020									
9/28/2020					176	<10			
11/10/2020									
11/11/2020								468	
11/12/2020									694
12/15/2020									
12/16/2020								536	816

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-1 (bg)	HGWA-3 (bg)	HGWA-2 (bg)	HGWA-122 (bg)	HGWC-124	HGWC-121A	HGWC-120	HGWC-126	HGWC-125
1/19/2021									
1/20/2021								472	726
3/10/2021	348								
3/11/2021		267	169	206					
3/12/2021							584	474	664
3/15/2021					340	614			
8/11/2021	366								
8/12/2021		265	118						
8/13/2021				201					
8/16/2021					352	626	632		
8/19/2021								488	732
2/1/2022	270	350	156	203					
2/2/2022					347	638	612		
2/3/2022								466	726
8/2/2022	400	287	196	217					
8/4/2022					334	640	632	510	706
1/23/2023		293							
1/24/2023	369		164	246	350	602			
1/25/2023							656	517	798
8/8/2023	457	285	189	248					
8/10/2023						642	661		760
8/11/2023					361			535	
2/13/2024	402	284	214	222					
2/14/2024								502	687
2/15/2024						524	620		
2/16/2024					333				
8/5/2024	444	304	217						
8/6/2024				270		661			
8/7/2024					337		647	518	695
2/12/2025	374	267							
2/13/2025				206					
2/14/2025			242		317				
2/15/2025						457	626	525	640
8/5/2025	416	265	160	198					
8/7/2025						573	637	539	706
8/10/2025					333				

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-45D (bg)
5/19/2016			
7/11/2016			
7/12/2016			
8/30/2016			
8/31/2016			
10/19/2016			
10/20/2016			
10/26/2016			
11/7/2016			
12/6/2016			
1/13/2017			
1/24/2017			
1/25/2017			
1/27/2017			
3/21/2017			
5/22/2017			
5/25/2017			
6/3/2017			
8/11/2017			
10/2/2017			
10/3/2017			
11/15/2017			
6/4/2018			
6/5/2018			
10/1/2018			
10/2/2018			
10/5/2018			
4/1/2019			
4/2/2019			
4/3/2019			
6/17/2019			
6/18/2019			
9/23/2019			
10/21/2019			
10/22/2019			
3/24/2020			
3/25/2020			
5/22/2020			
6/15/2020			
6/16/2020			
8/25/2020			
9/15/2020			
9/16/2020	270	272	
9/18/2020			
9/21/2020			
9/25/2020			263
9/28/2020			
11/10/2020	287	307	
11/11/2020			276
11/12/2020			
12/15/2020	295	289	
12/16/2020			294

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/15/2025 11:59 AM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-45D (bg)
1/19/2021	278	270	
1/20/2021			289
3/10/2021	289		
3/11/2021		279	
3/12/2021			260
3/15/2021			
8/11/2021		277	
8/12/2021			
8/13/2021	436		272
8/16/2021			
8/19/2021			
2/1/2022	444	156	268
2/2/2022			
2/3/2022			
8/2/2022	311	278	261
8/4/2022			
1/23/2023			
1/24/2023	363	271	289
1/25/2023			
8/8/2023	361	274	261
8/10/2023			
8/11/2023			
2/13/2024	379	291	279
2/14/2024			
2/15/2024			
2/16/2024			
8/5/2024			
8/6/2024	380	283	256
8/7/2024			
2/12/2025	363	273	
2/13/2025			272
2/14/2025			
2/15/2025			
8/5/2025	370	282	440
8/7/2025			
8/10/2025			

FIGURE E.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP3 Printed 10/15/2025, 12:11 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**HGWA-2 (bg)**	**0.002437**	**196**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-43D (bg)**	**-0.004011**	**-55**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-44D (bg)**	**0.05214**	**61**	**48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-122 (bg)**	**-0.01842**	**-171**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-121A**	**-0.2349**	**-198**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-2 (bg)**	**1.502**	**148**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-3 (bg)**	**1.61**	**138**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-44D (bg)**	**-5.893**	**-71**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWA-2 (bg)**	**4.265**	**212**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWA-43D (bg)**	**-3.534**	**-79**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWA-122 (bg)**	**-1.769**	**-169**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWC-120**	**-14.54**	**-204**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWC-125**	**-20.4**	**-85**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-120**	**-9.929**	**-108**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**

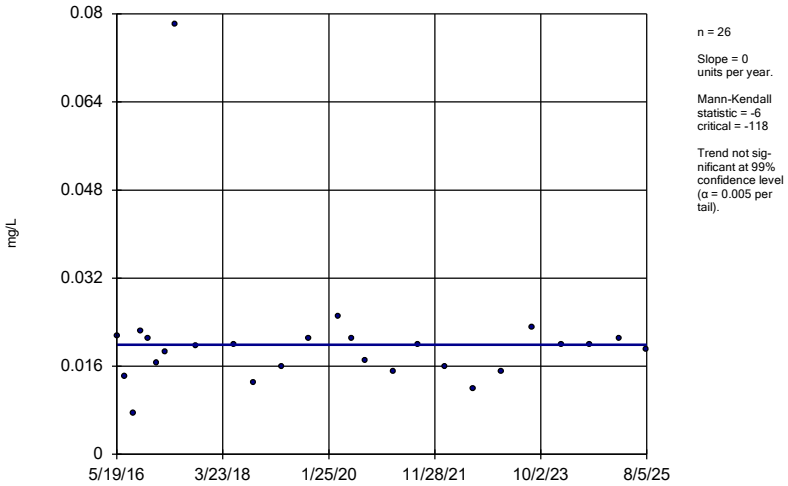
Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Hammond Client: Southern Company Data: Hammond AP3 Printed 10/15/2025, 12:11 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	HGWA-1 (bg)	0	-6	-118	No	26	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWA-2 (bg)**	**0.002437**	**196**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWA-3 (bg)	0.0003332	61	118	No	26	23.08	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWA-43D (bg)**	**-0.004011**	**-55**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-44D (bg)**	**0.05214**	**61**	**48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWA-45D (bg)	-0.002056	-14	-48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWA-122 (bg)**	**-0.01842**	**-171**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWC-120	-0.02366	-90	-105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWC-121A**	**-0.2349**	**-198**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWC-125	0	16	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-1 (bg)	1.77	101	118	No	26	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**HGWA-2 (bg)**	**1.502**	**148**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-3 (bg)**	**1.61**	**138**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWA-43D (bg)	-1.279	-31	-48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**HGWA-44D (bg)**	**-5.893**	**-71**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWA-45D (bg)	-1.403	-43	-48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-122 (bg)	-1.658	-89	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-120	0	-7	-105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-125	-1.577	-13	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-1 (bg)	0.3568	22	118	No	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWA-2 (bg)**	**4.265**	**212**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWA-3 (bg)	-1.043	-79	-118	No	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWA-43D (bg)**	**-3.534**	**-79**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWA-44D (bg)	-1.694	-33	-48	No	14	7.143	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-45D (bg)	-1.522	-37	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWA-122 (bg)**	**-1.769**	**-169**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWC-120**	**-14.54**	**-204**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWC-125**	**-20.4**	**-85**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	HGWA-1 (bg)	4.696	67	118	No	26	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-2 (bg)	6.642	107	111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-3 (bg)	0.2987	18	118	No	26	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-43D (bg)	0.2267	1	48	No	14	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-44D (bg)	20.52	46	48	No	14	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-45D (bg)	0	-2	-48	No	14	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-122 (bg)	-7.089	-92	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	**HGWC-120**	**-9.929**	**-108**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	HGWC-125	-13.02	-38	-63	No	17	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

HGWA-1 (bg)



n = 26

Slope = 0 units per year.

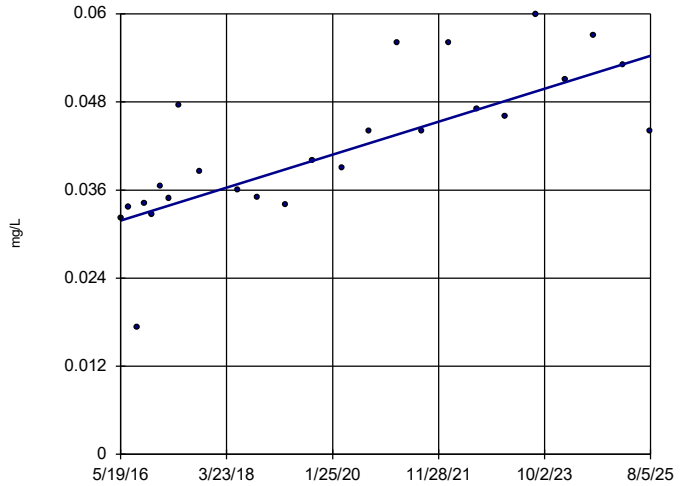
Mann-Kendall statistic = -6
critical = -118

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Sen's Slope Estimator

HGWA-2 (bg)



n = 25

Slope = 0.002437 units per year.

Mann-Kendall statistic = 196
critical = 111

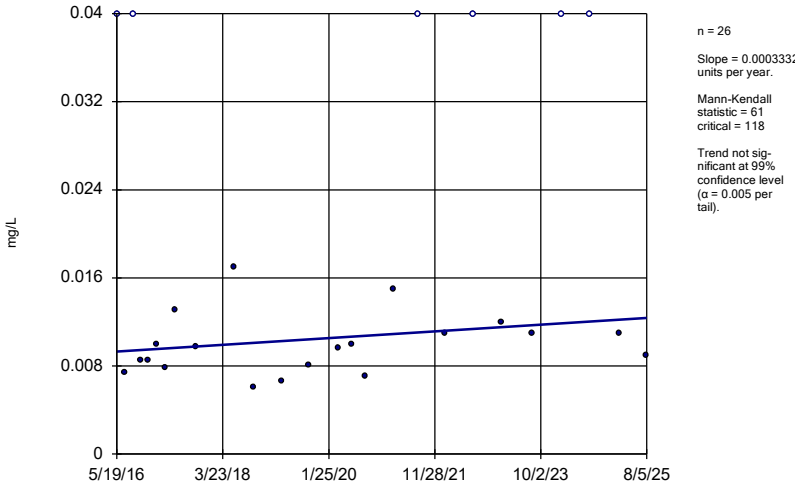
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-3 (bg)



n = 26

Slope = 0.0003332 units per year.

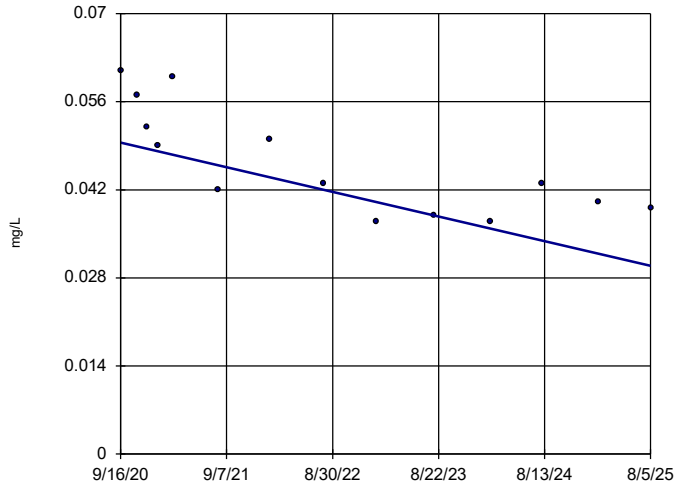
Mann-Kendall statistic = 61
critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Sen's Slope Estimator

HGWA-43D (bg)



n = 14

Slope = -0.004011 units per year.

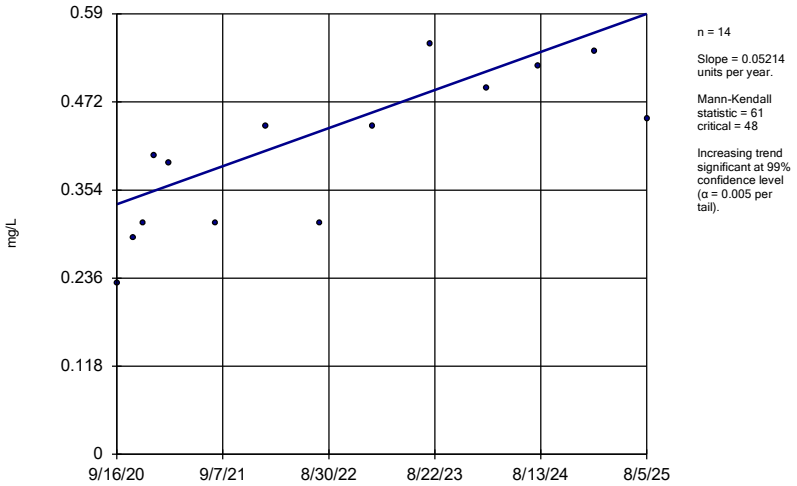
Mann-Kendall statistic = -55
critical = -48

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Sen's Slope Estimator

HGWA-44D (bg)



n = 14

Slope = 0.05214 units per year.

Mann-Kendall statistic = 61
critical = 48

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

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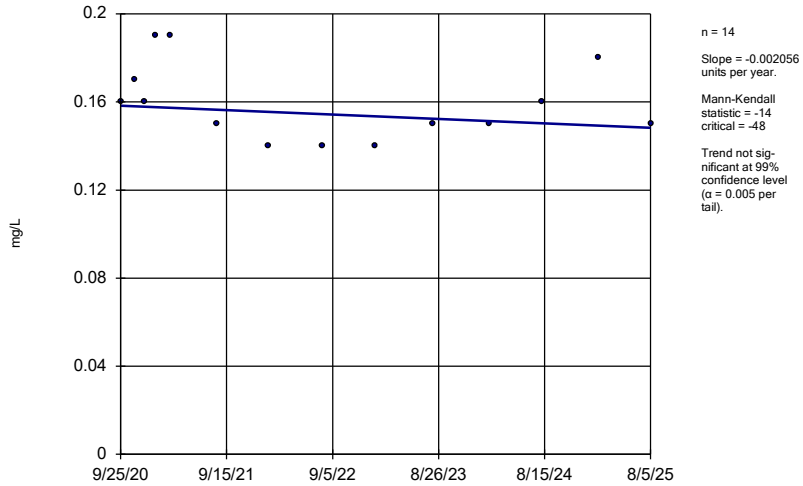
Sen's Slope Estimator

HGWA-45D (bg)



n = 14

Slope = -0.002056 units per year.

Mann-Kendall statistic = -14
critical = -48

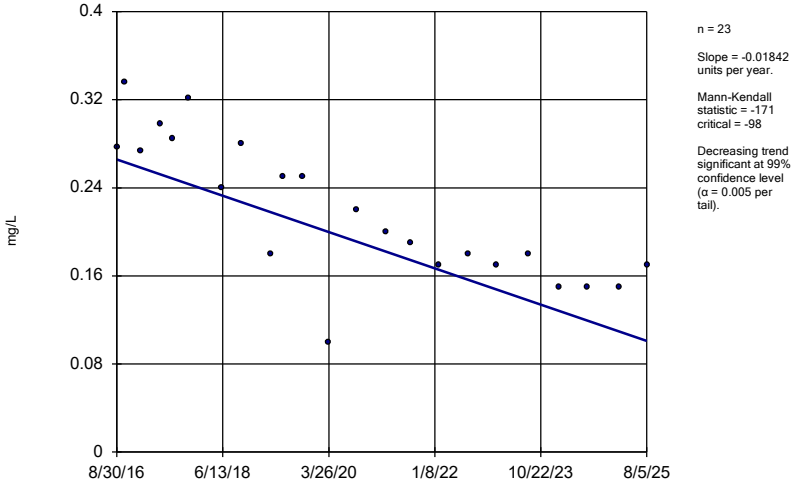
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-122 (bg)



n = 23

Slope = -0.01842 units per year.

Mann-Kendall statistic = -171
critical = -98

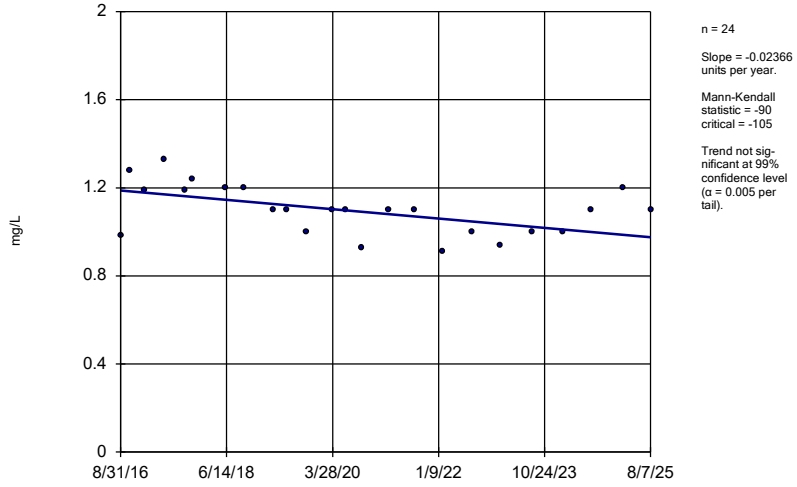
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-120



n = 24

Slope = -0.02366 units per year.

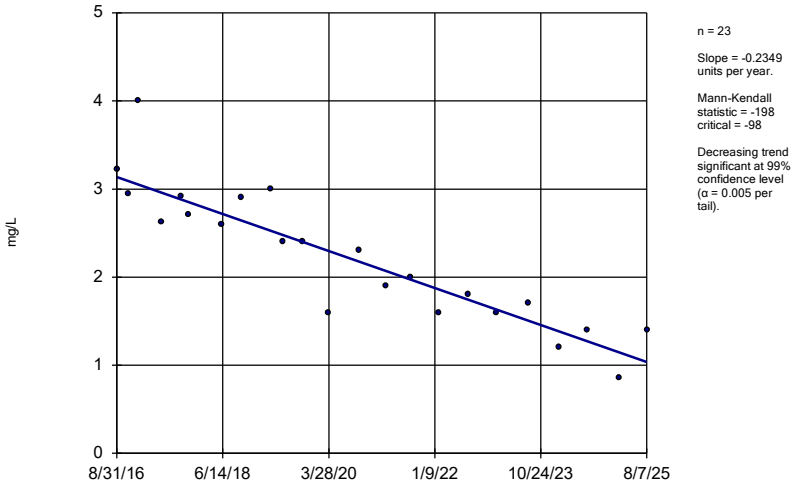
Mann-Kendall statistic = -90
critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Sen's Slope Estimator

HGWC-121A



n = 23

Slope = -0.2349 units per year.

Mann-Kendall statistic = -198 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests

Plant Hammond Client: Southern Company Data: Hammond AP3

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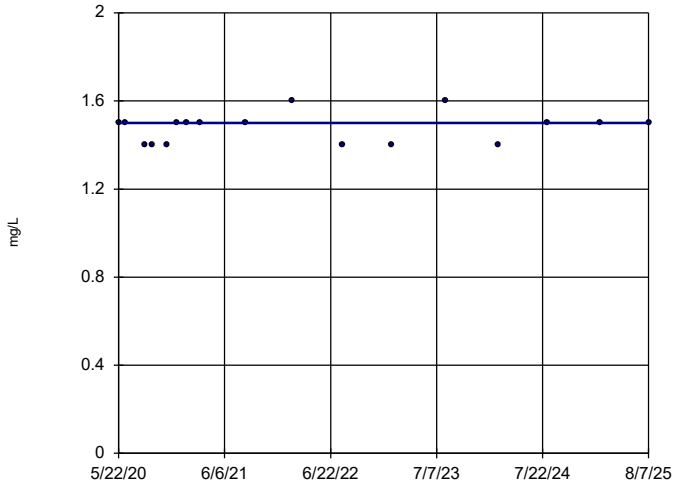
Sen's Slope Estimator

HGWC-125



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 16 critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests

Plant Hammond Client: Southern Company Data: Hammond AP3

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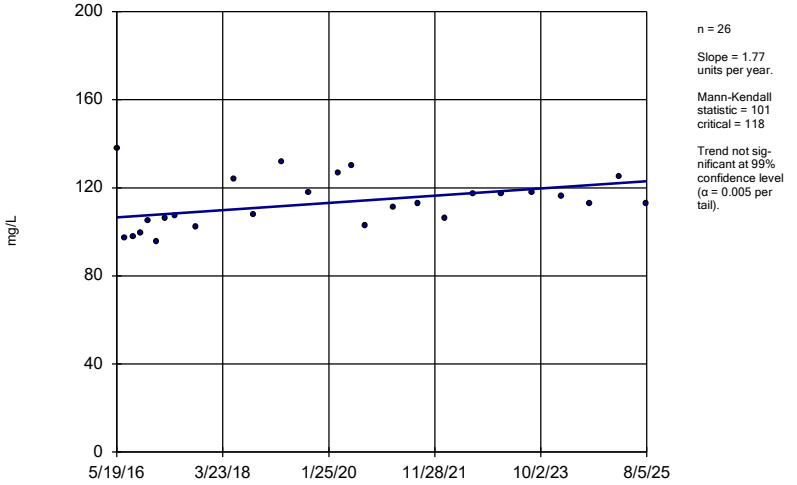
Sen's Slope Estimator

HGWA-1 (bg)



n = 26

Slope = 1.77 units per year.

Mann-Kendall statistic = 101 critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests

Plant Hammond Client: Southern Company Data: Hammond AP3

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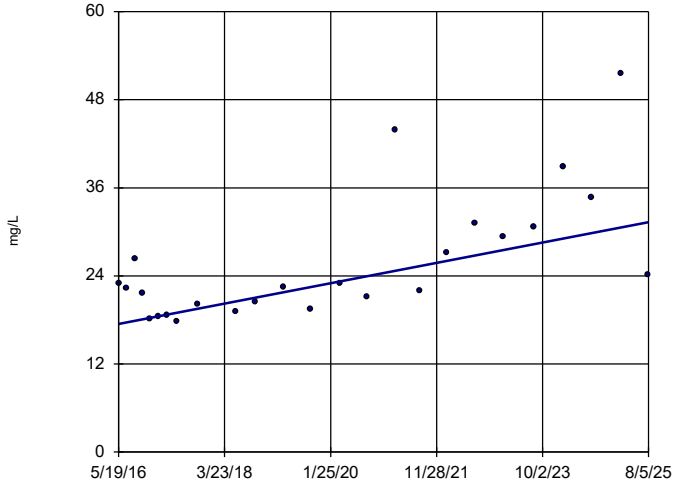
Sen's Slope Estimator

HGWA-2 (bg)



n = 25

Slope = 1.502 units per year.

Mann-Kendall statistic = 148 critical = 111

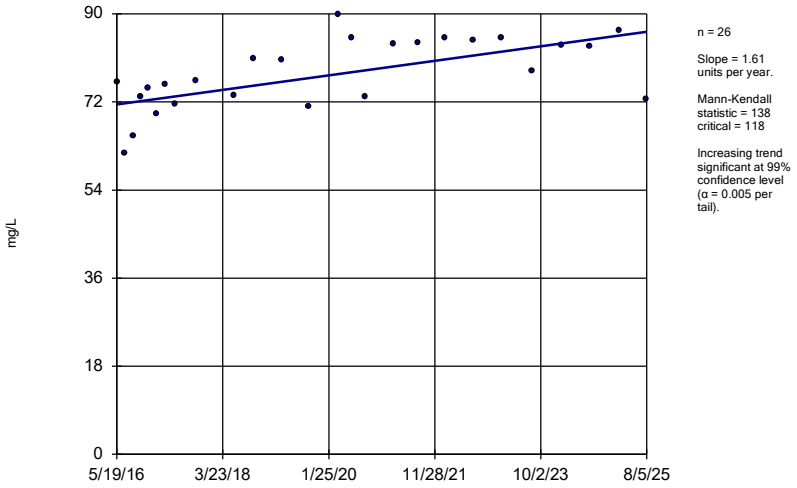
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests

Plant Hammond Client: Southern Company Data: Hammond AP3

Sen's Slope Estimator

HGWA-3 (bg)



n = 26

Slope = 1.61 units per year.

Mann-Kendall statistic = 138
critical = 118

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

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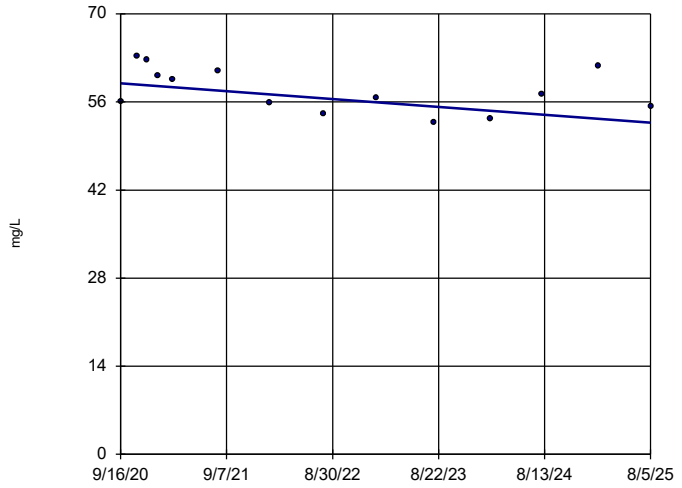
Sen's Slope Estimator

HGWA-43D (bg)



n = 14

Slope = -1.279 units per year.

Mann-Kendall statistic = -31
critical = -48

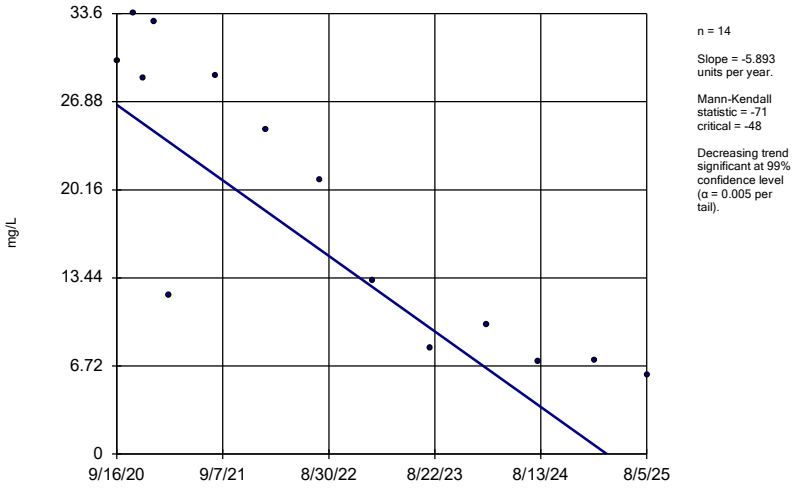
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-44D (bg)



n = 14

Slope = -5.893 units per year.

Mann-Kendall statistic = -71
critical = -48

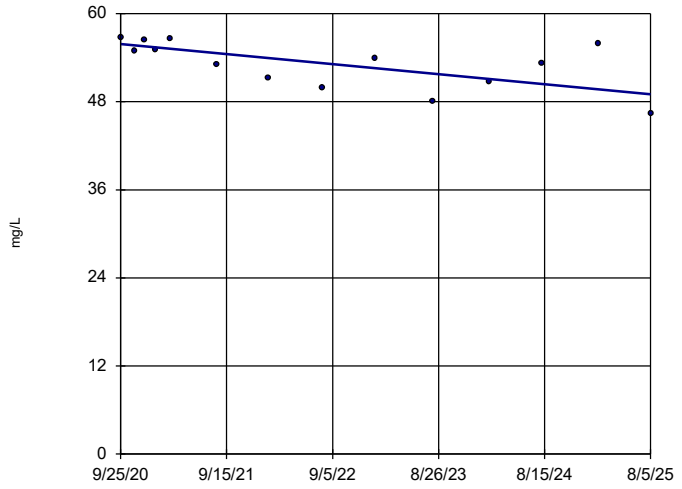
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-45D (bg)



n = 14

Slope = -1.403 units per year.

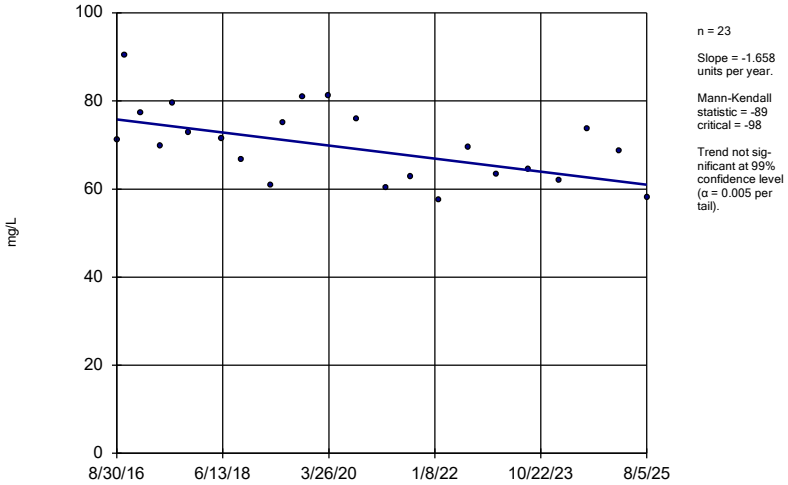
Mann-Kendall statistic = -43
critical = -48

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Sen's Slope Estimator

HGWA-122 (bg)



n = 23

Slope = -1.658 units per year.

Mann-Kendall statistic = -89 critical = -98

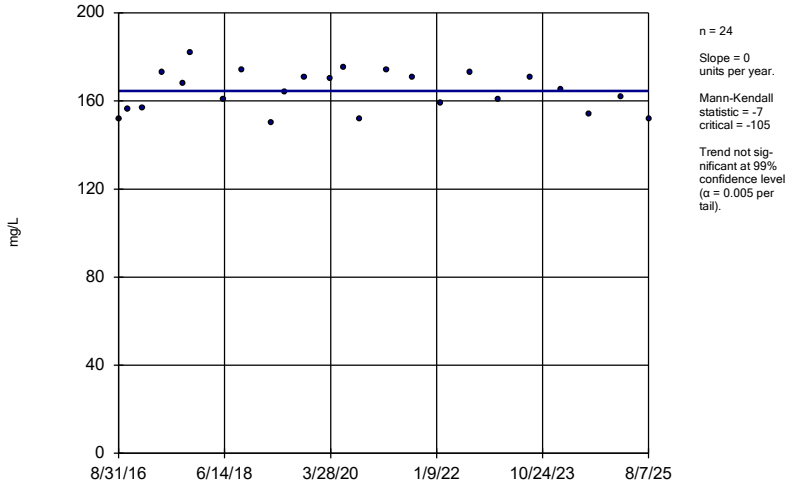
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests

Plant Hammond Client: Southern Company Data: Hammond AP3

Sen's Slope Estimator

HGWC-120



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -7 critical = -105

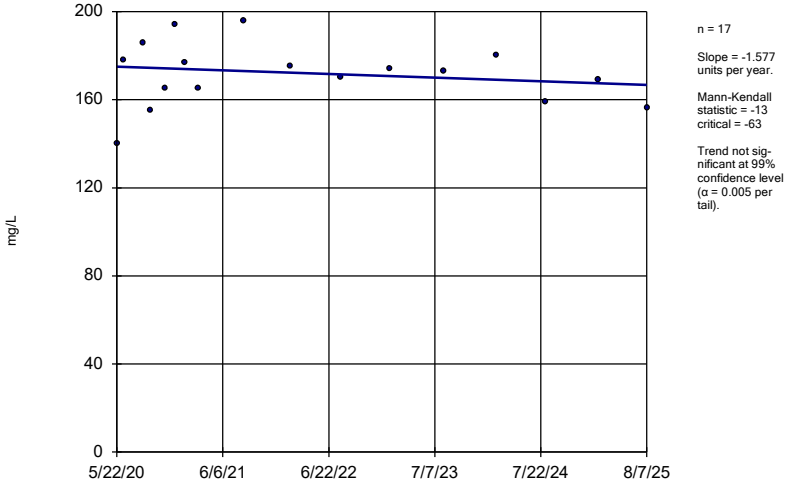
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests

Plant Hammond Client: Southern Company Data: Hammond AP3

Sen's Slope Estimator

HGWC-125



n = 17

Slope = -1.577 units per year.

Mann-Kendall statistic = -13 critical = -63

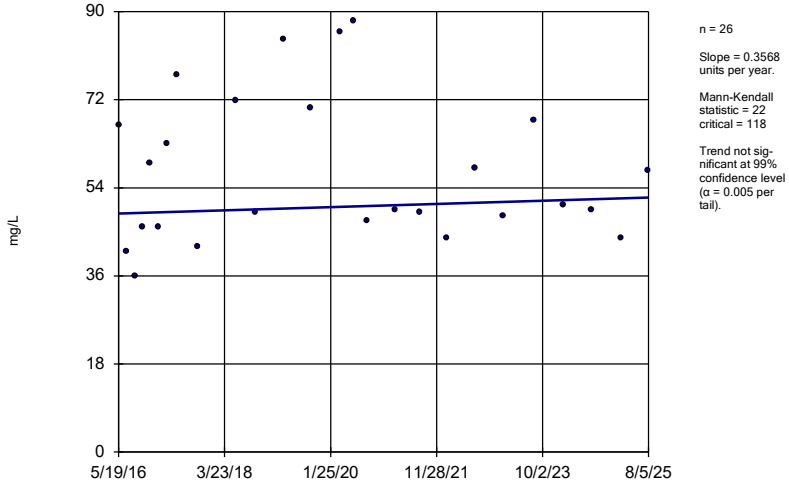
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests

Plant Hammond Client: Southern Company Data: Hammond AP3

Sen's Slope Estimator

HGWA-1 (bg)



n = 26

Slope = 0.3568 units per year.

Mann-Kendall statistic = 22 critical = 118

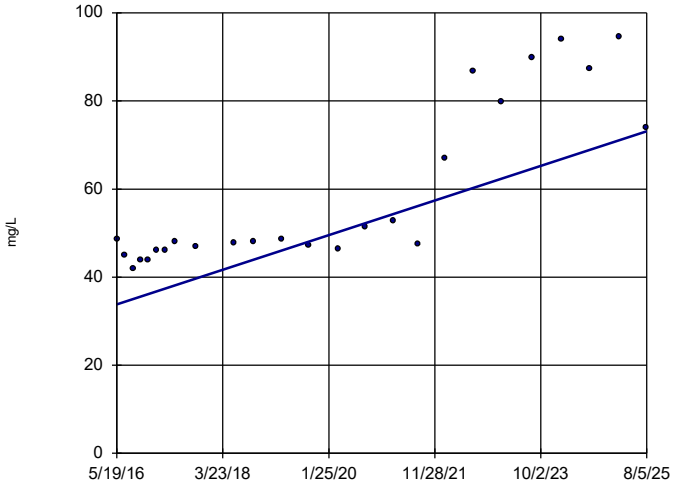
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests

Plant Hammond Client: Southern Company Data: Hammond AP3

Sen's Slope Estimator

HGWA-2 (bg)



n = 25

Slope = 4.265 units per year.

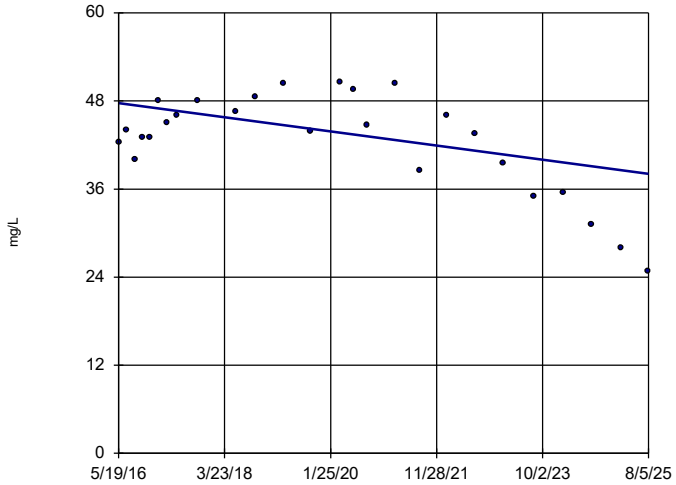
Mann-Kendall statistic = 212
critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Sen's Slope Estimator

HGWA-3 (bg)



n = 26

Slope = -1.043 units per year.

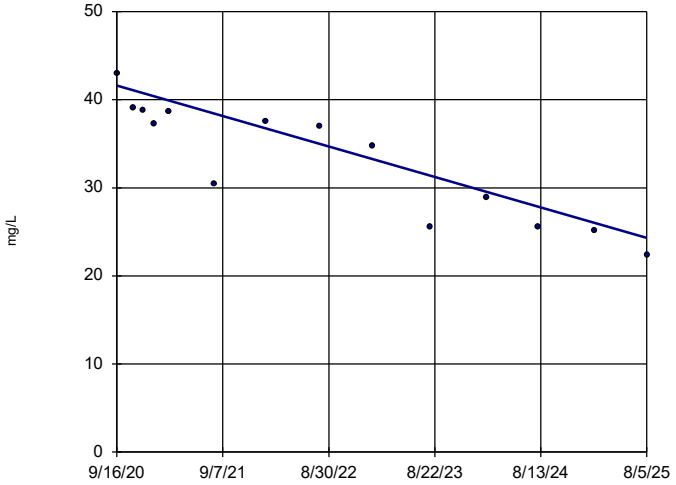
Mann-Kendall statistic = -79
critical = -118

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Sen's Slope Estimator

HGWA-43D (bg)



n = 14

Slope = -3.534 units per year.

Mann-Kendall statistic = -79
critical = -48

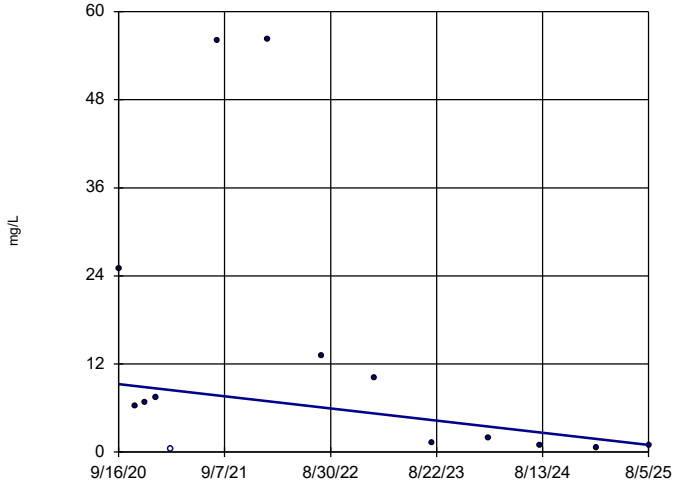
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-44D (bg)



n = 14

Slope = -1.694 units per year.

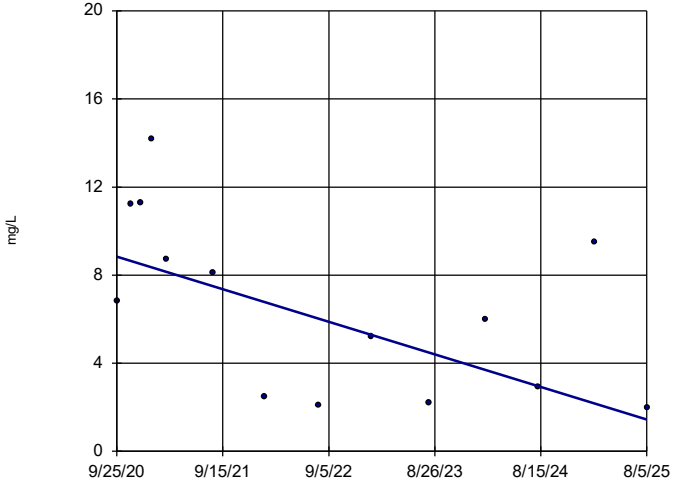
Mann-Kendall statistic = -33
critical = -48

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Sen's Slope Estimator

HGWA-45D (bg)



n = 14

Slope = -1.522 units per year.

Mann-Kendall statistic = -37 critical = -48

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests

Plant Hammond Client: Southern Company Data: Hammond AP3

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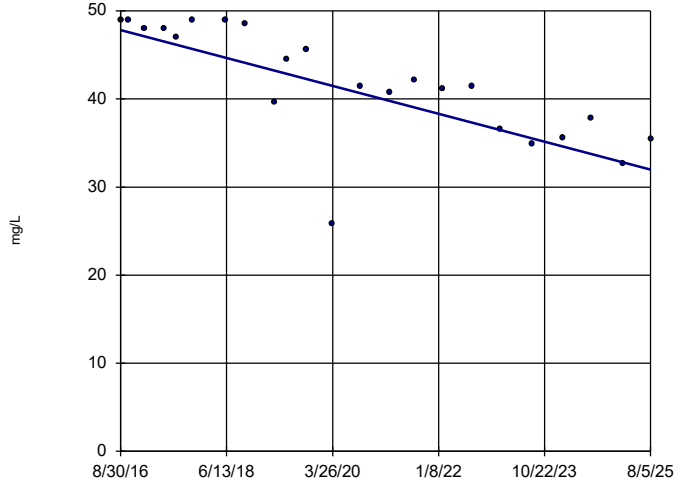
Sen's Slope Estimator

HGWA-122 (bg)



n = 23

Slope = -1.769 units per year.

Mann-Kendall statistic = -169 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

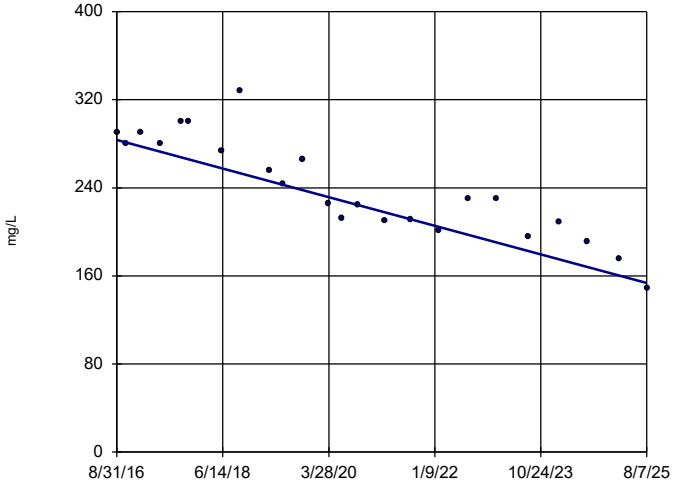
Constituent: Sulfate Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-120



n = 24

Slope = -14.54 units per year.

Mann-Kendall statistic = -204 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests

Plant Hammond Client: Southern Company Data: Hammond AP3

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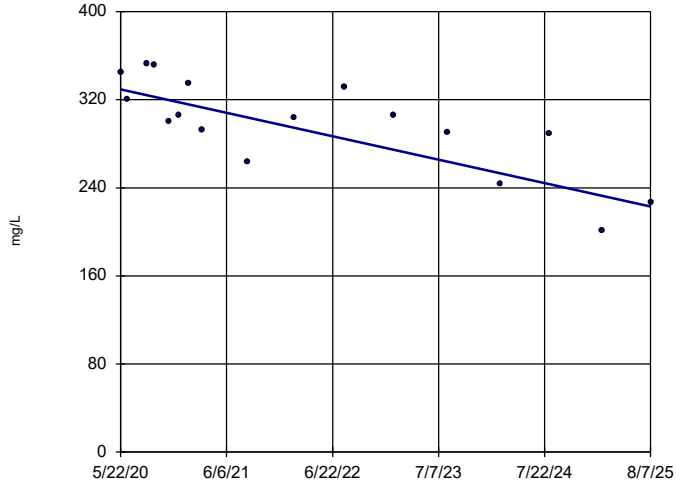
Sen's Slope Estimator

HGWC-125



n = 17

Slope = -20.4 units per year.

Mann-Kendall statistic = -85 critical = -63

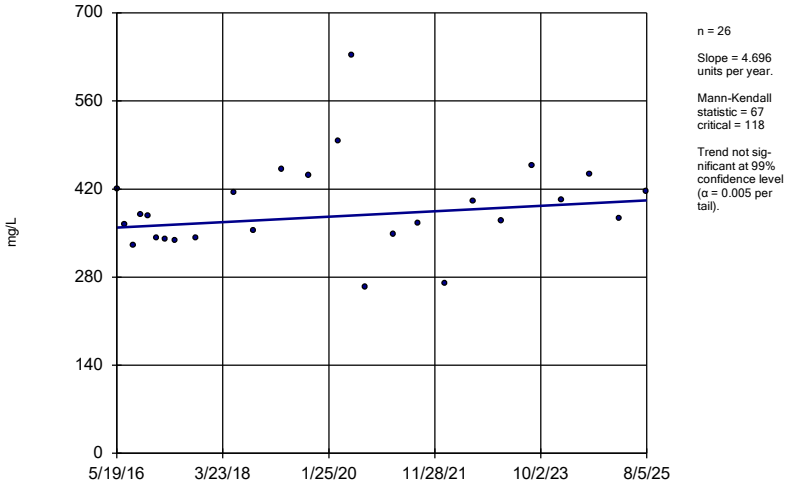
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests

Plant Hammond Client: Southern Company Data: Hammond AP3

Sen's Slope Estimator

HGWA-1 (bg)



n = 26

Slope = 4.696 units per year.

Mann-Kendall statistic = 67 critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

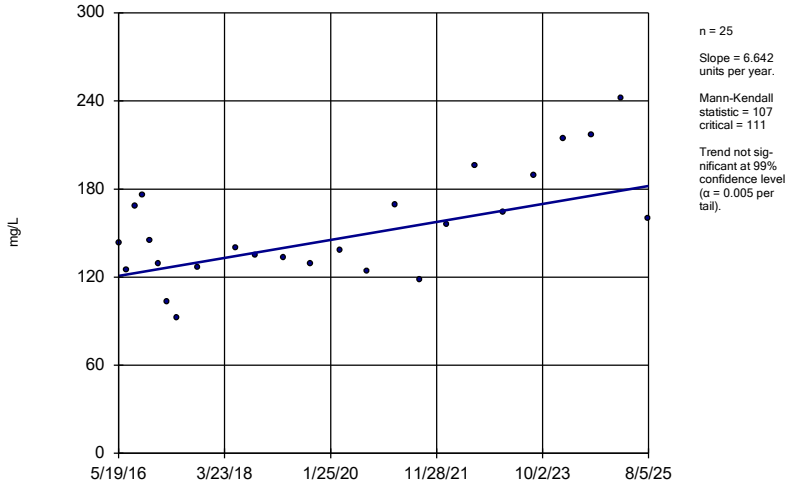
Constituent: TDS Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-2 (bg)



n = 25

Slope = 6.642 units per year.

Mann-Kendall statistic = 107 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests

Plant Hammond Client: Southern Company Data: Hammond AP3

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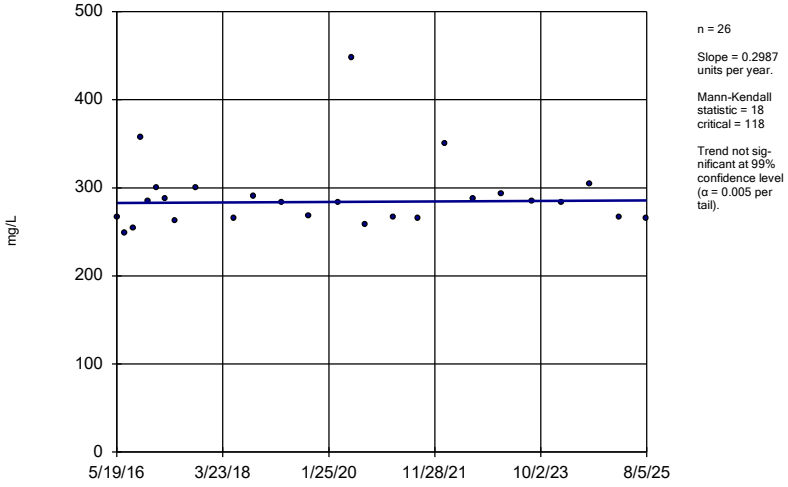
Sen's Slope Estimator

HGWA-3 (bg)



n = 26

Slope = 0.2987 units per year.

Mann-Kendall statistic = 18 critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests

Plant Hammond Client: Southern Company Data: Hammond AP3

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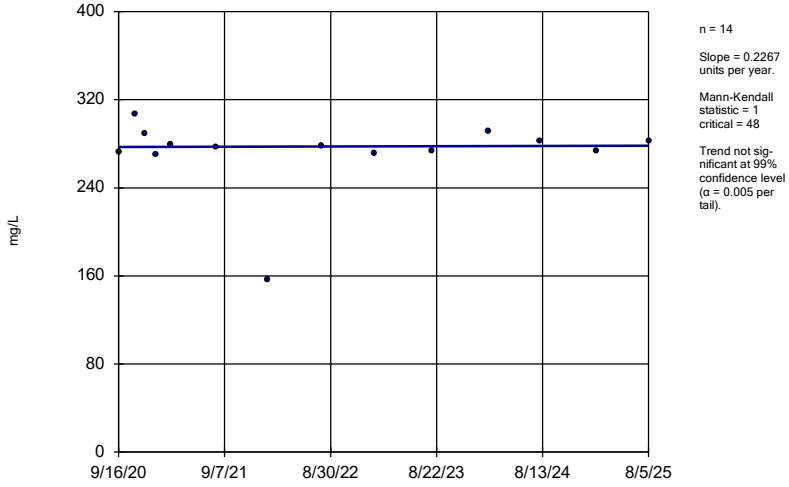
Sen's Slope Estimator

HGWA-43D (bg)



n = 14

Slope = 0.2267 units per year.

Mann-Kendall statistic = 1 critical = 48

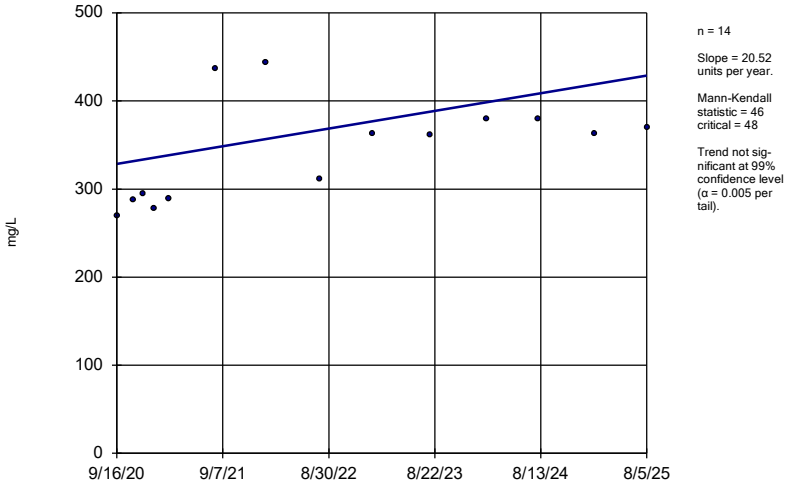
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests

Plant Hammond Client: Southern Company Data: Hammond AP3

Sen's Slope Estimator

HGWA-44D (bg)



n = 14

Slope = 20.52 units per year.

Mann-Kendall statistic = 46
critical = 48

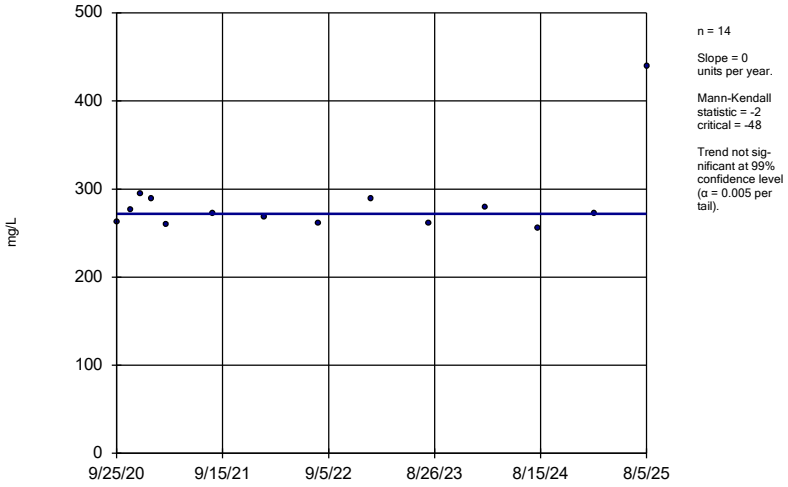
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-45D (bg)



n = 14

Slope = 0 units per year.

Mann-Kendall statistic = -2
critical = -48

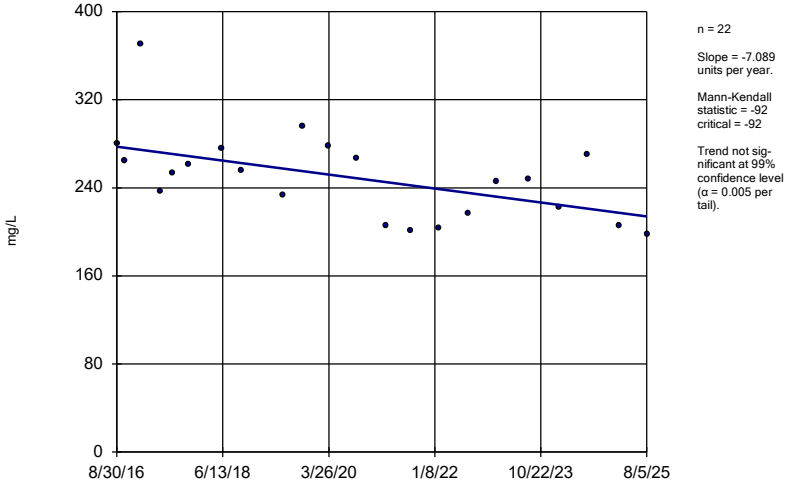
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-122 (bg)



n = 22

Slope = -7.089 units per year.

Mann-Kendall statistic = -92
critical = -92

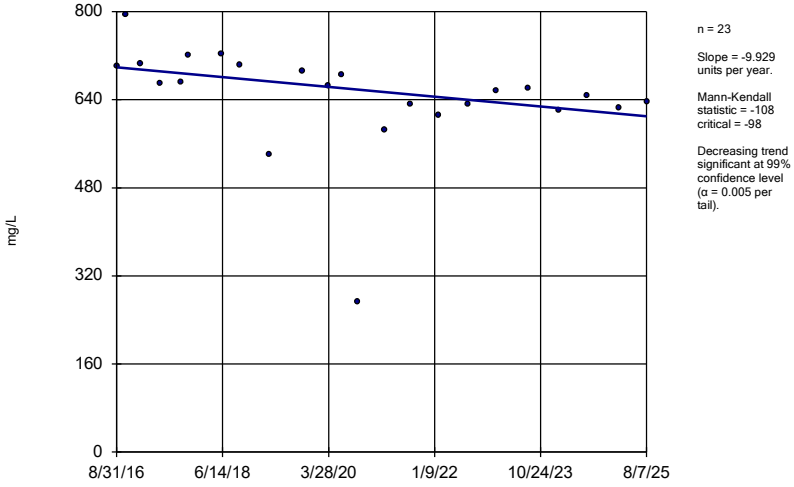
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-120



n = 23

Slope = -9.929 units per year.

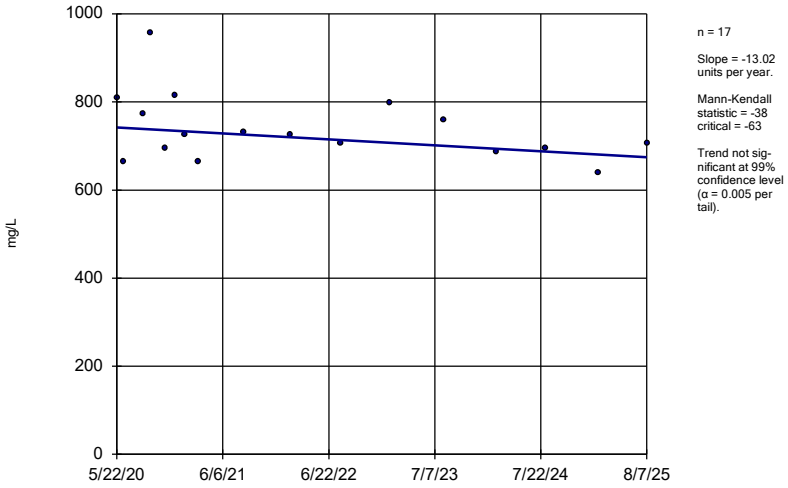
Mann-Kendall statistic = -108
critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP3

Sen's Slope Estimator

HGWC-125



n = 17

Slope = -13.02 units per year.

Mann-Kendall statistic = -38
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/15/2025 12:06 PM View: Appendix III Trend Tests

Plant Hammond Client: Southern Company Data: Hammond AP3

FIGURE F.

Upper Tolerance Limits Summary Table

Plant Hammond Client: Southern Company Data: Hammond AP3 Printed 10/16/2025, 10:16 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	146	86.3	n/a	0.0005593	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.0036	n/a	n/a	n/a	n/a	149	75.84	n/a	0.0004795	NP Inter(NDs)
Barium (mg/L)	n/a	0.64	n/a	n/a	n/a	n/a	154	0	n/a	0.0003711	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0004	n/a	n/a	n/a	n/a	146	83.56	n/a	0.0005593	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	149	87.92	n/a	0.0004795	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0079	n/a	n/a	n/a	n/a	148	83.11	n/a	0.0005048	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.038	n/a	n/a	n/a	n/a	154	78.57	n/a	0.0003711	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.656	n/a	n/a	n/a	n/a	154	0	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	1.5	n/a	n/a	n/a	n/a	161	19.88	n/a	0.0002591	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	148	72.97	n/a	0.0005048	NP Inter(NDs)
Lithium (mg/L)	n/a	0.064	n/a	n/a	n/a	n/a	149	28.19	n/a	0.0004795	NP Inter(normality)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	n/a	126	96.03	n/a	0.00156	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.01	n/a	n/a	n/a	n/a	156	66.03	n/a	0.0003349	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	149	93.29	n/a	0.0004795	NP Inter(NDs)
Thallium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	149	99.33	n/a	0.0004795	NP Inter(NDs)

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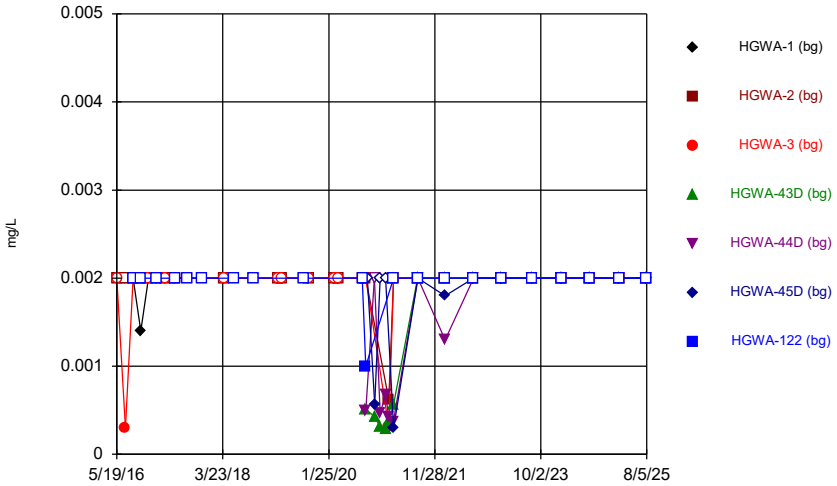
Hollow symbols indicate censored values.

Time Series



Constituent: Antimony Analysis Run 10/16/2025 10:13 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

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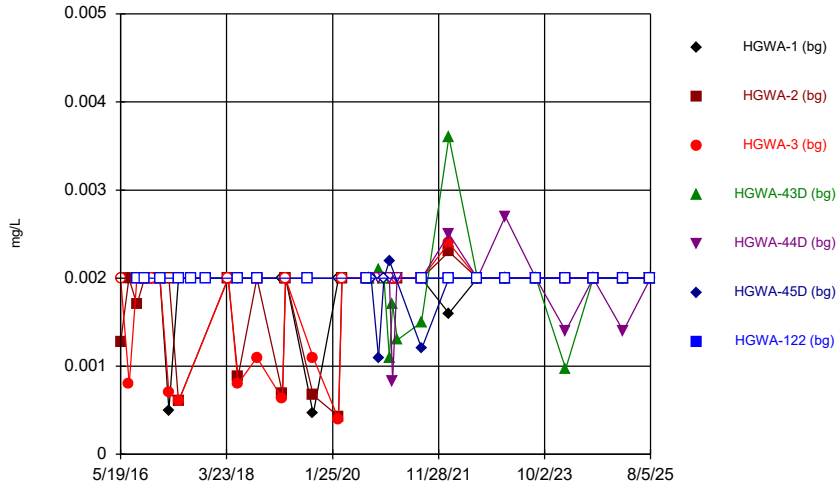
Hollow symbols indicate censored values.

Time Series



Constituent: Arsenic Analysis Run 10/16/2025 10:13 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

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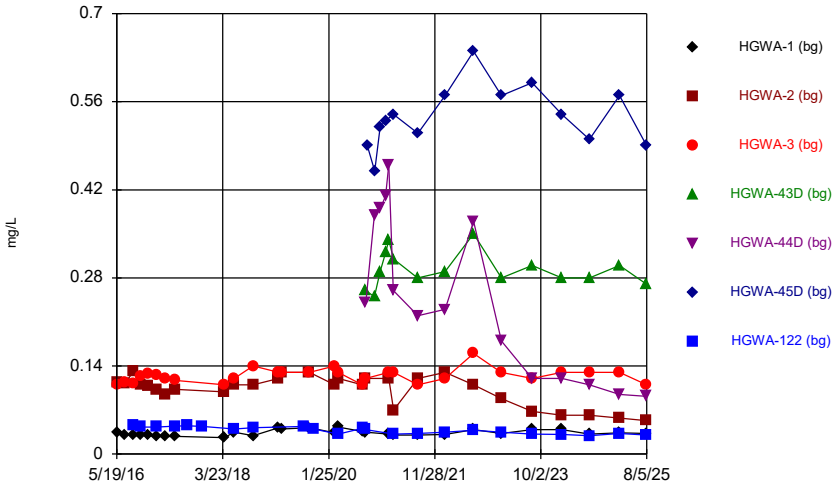
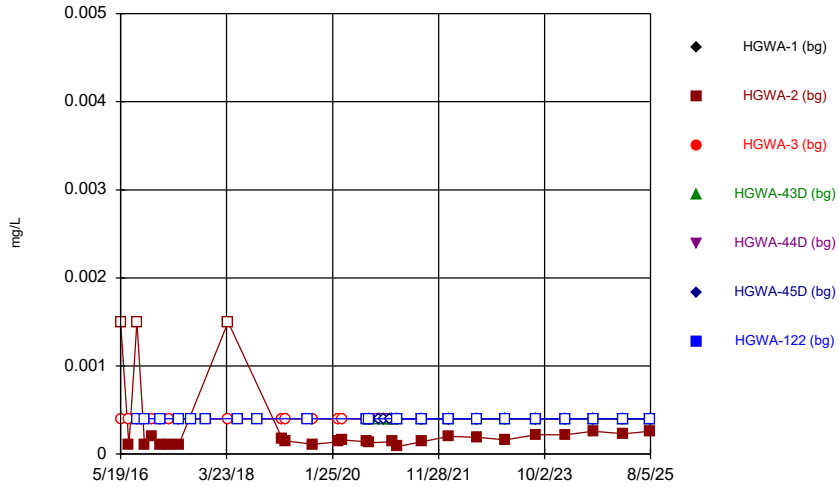
Time Series



Constituent: Barium Analysis Run 10/16/2025 10:13 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

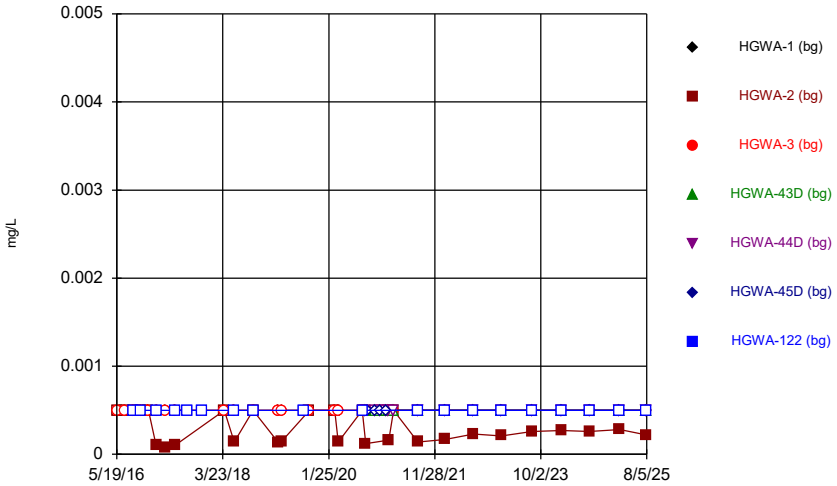
Time Series



Constituent: Beryllium Analysis Run 10/16/2025 10:13 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

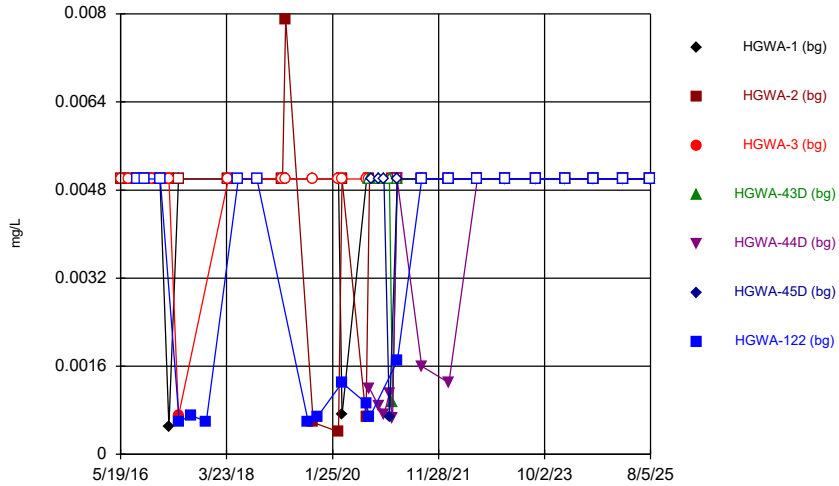
Time Series



Constituent: Cadmium Analysis Run 10/16/2025 10:13 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Chromium Analysis Run 10/16/2025 10:13 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

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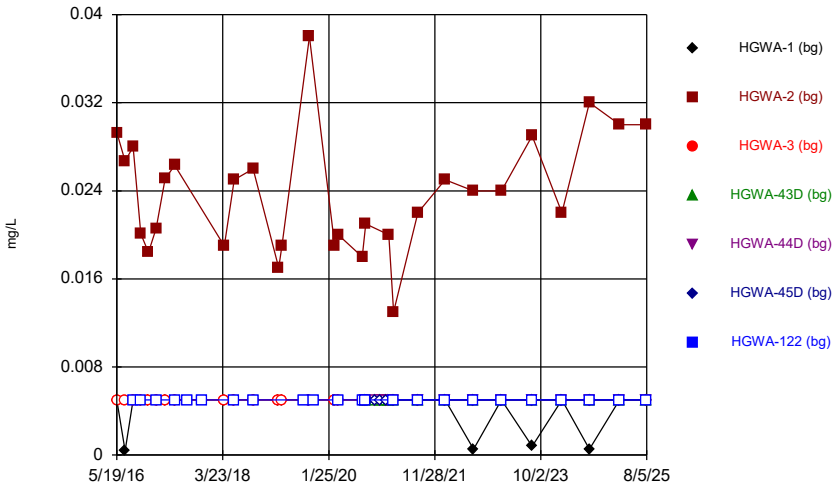
Hollow symbols indicate censored values.

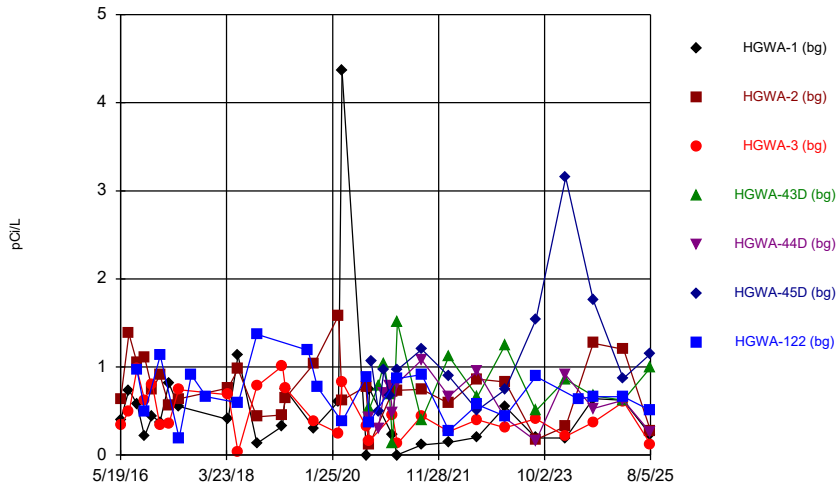
Time Series



Constituent: Cobalt Analysis Run 10/16/2025 10:13 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

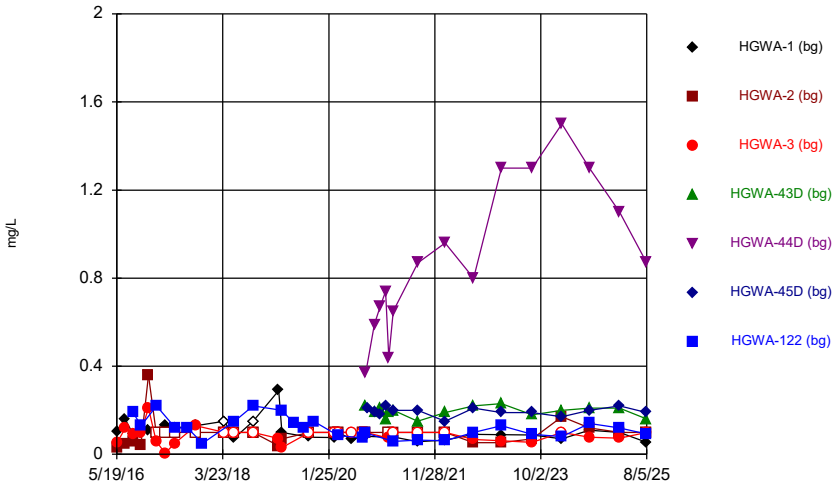
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 10:13 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

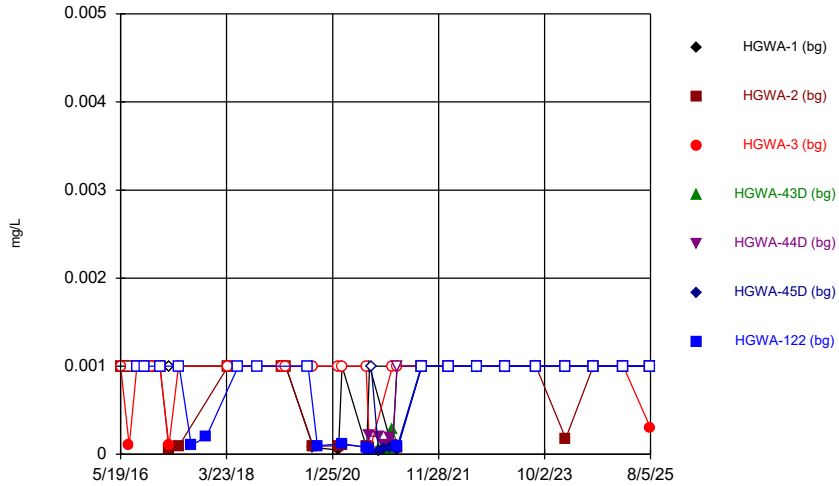
Time Series



Constituent: Fluoride Analysis Run 10/16/2025 10:13 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

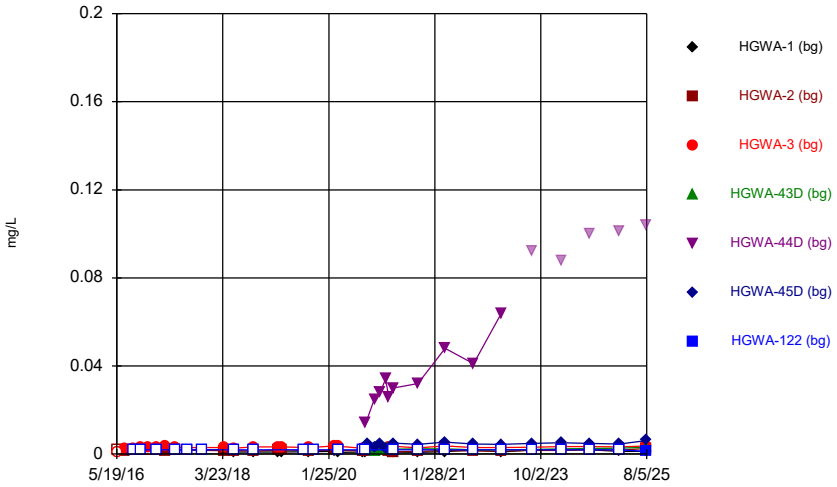
Time Series



Constituent: Lead Analysis Run 10/16/2025 10:13 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

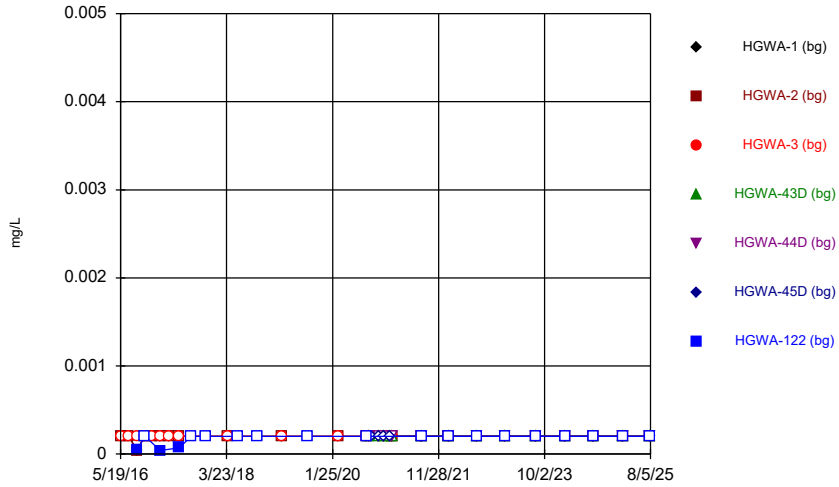
Time Series



Constituent: Lithium Analysis Run 10/16/2025 10:13 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

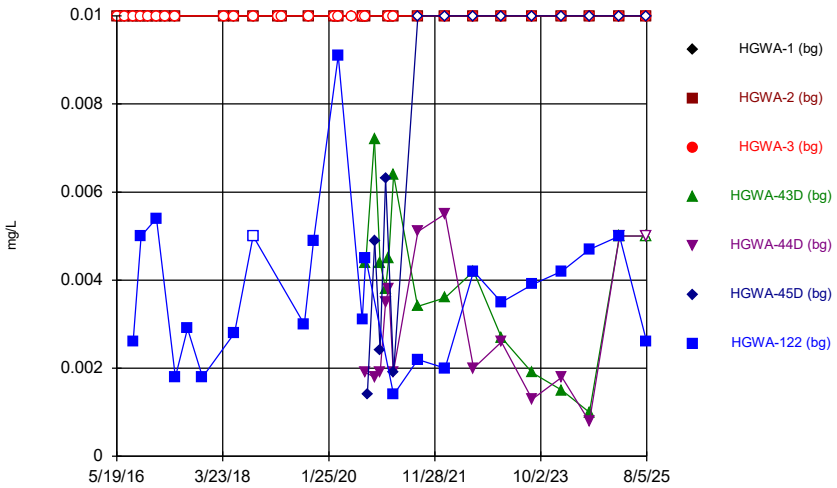
Time Series



Constituent: Mercury Analysis Run 10/16/2025 10:13 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

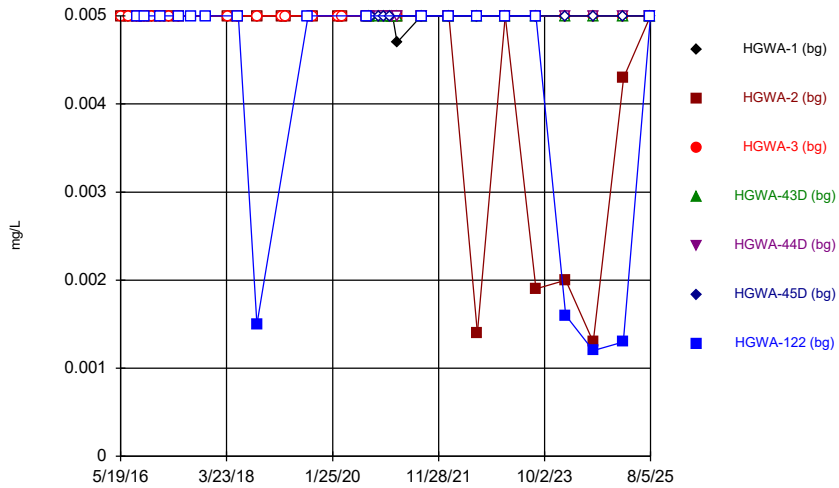
Time Series



Constituent: Molybdenum Analysis Run 10/16/2025 10:13 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

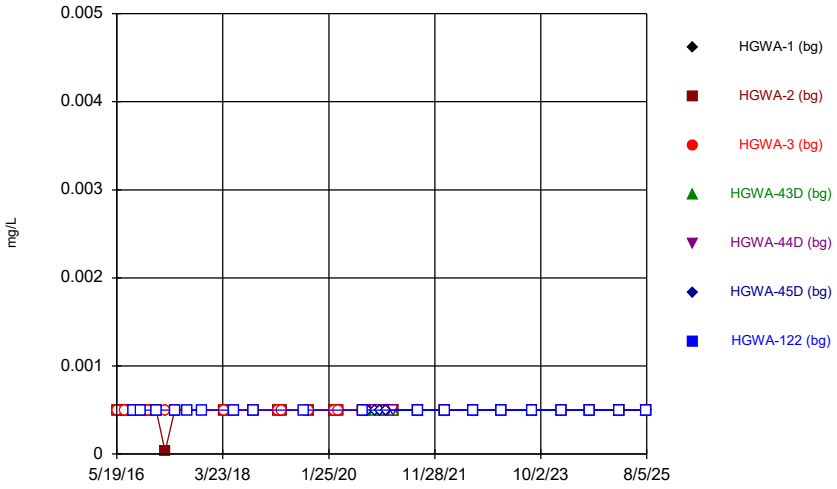
Time Series



Constituent: Selenium Analysis Run 10/16/2025 10:13 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

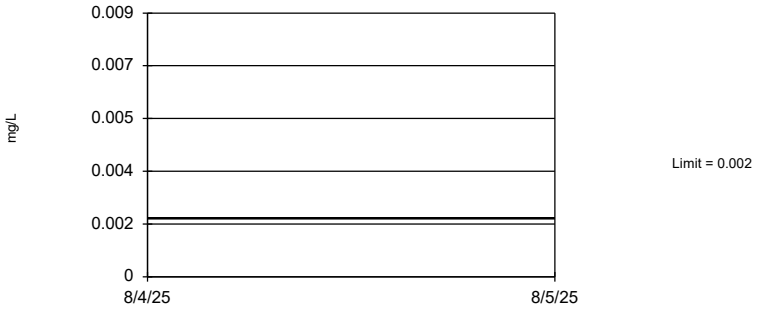
Time Series



Constituent: Thallium Analysis Run 10/16/2025 10:13 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 146 background values. 86.3% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0005593.

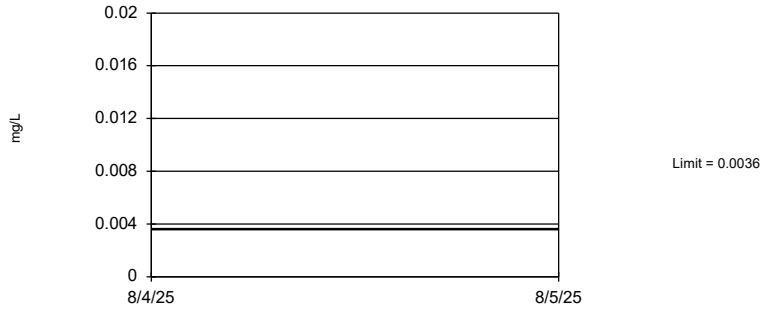
Constituent: Antimony Analysis Run 10/16/2025 10:15 AM View: UTLs

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 149 background values. 75.84% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0004795.

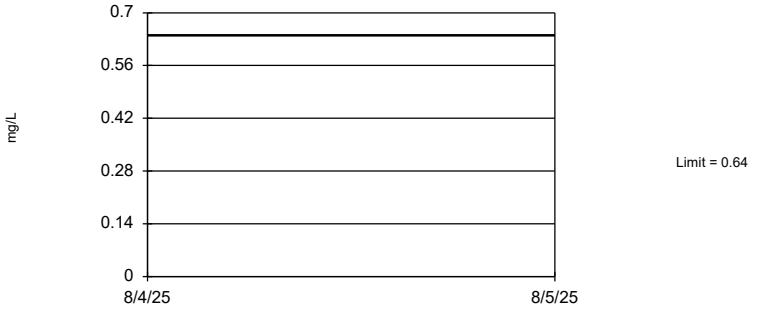
Constituent: Arsenic Analysis Run 10/16/2025 10:15 AM View: UTLs

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 154 background values. 97.07% coverage at alpha=0.01; 98.24% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0003711.

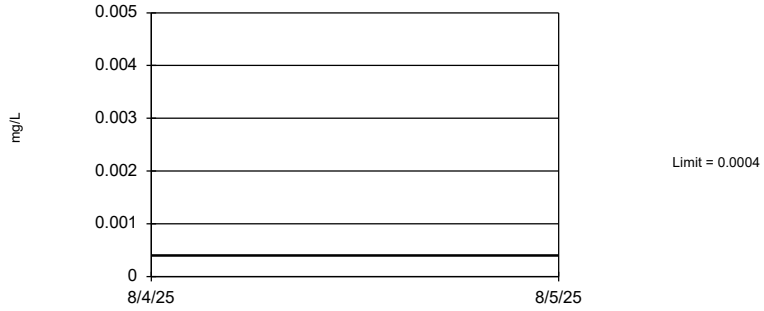
Constituent: Barium Analysis Run 10/16/2025 10:15 AM View: UTLs

Plant Hammond Client: Southern Company Data: Hammond AP3

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



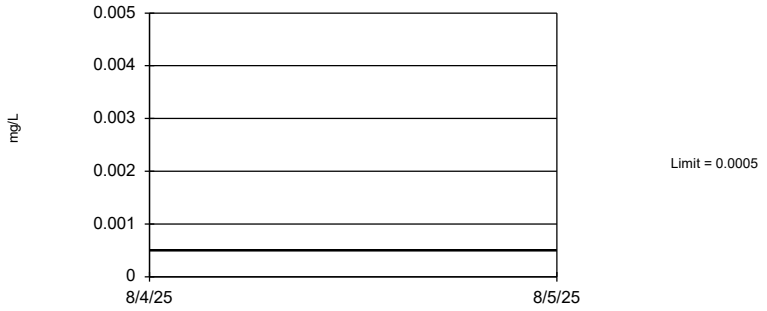
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 146 background values. 83.56% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0005593.

Constituent: Beryllium Analysis Run 10/16/2025 10:15 AM View: UTLs

Plant Hammond Client: Southern Company Data: Hammond AP3

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 149 background values. 87.92% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0004795.

Constituent: Cadmium Analysis Run 10/16/2025 10:15 AM View: UTLs

Plant Hammond Client: Southern Company Data: Hammond AP3

Tolerance Limit

Interwell Non-parametric

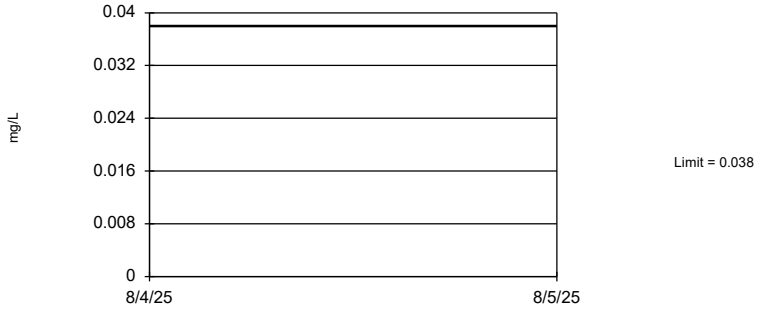
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 148 background values. 83.11% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0005048.

Constituent: Chromium Analysis Run 10/16/2025 10:15 AM View: UTLs

Plant Hammond Client: Southern Company Data: Hammond AP3

Tolerance Limit

Interwell Non-parametric



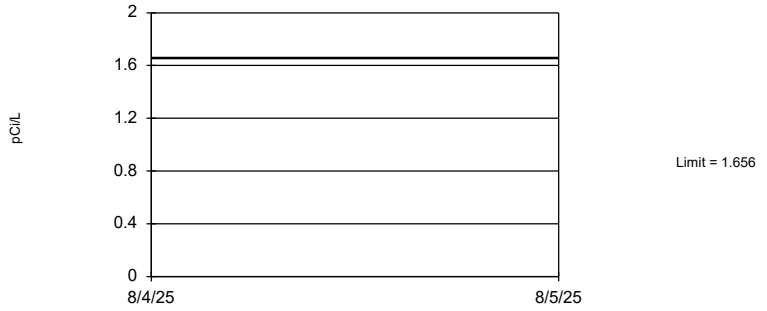
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 154 background values. 78.57% NDs. 97.07% coverage at alpha=0.01; 98.24% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0003711.

Constituent: Cobalt Analysis Run 10/16/2025 10:15 AM View: UTLs

Plant Hammond Client: Southern Company Data: Hammond AP3

Tolerance Limit

Interwell Parametric



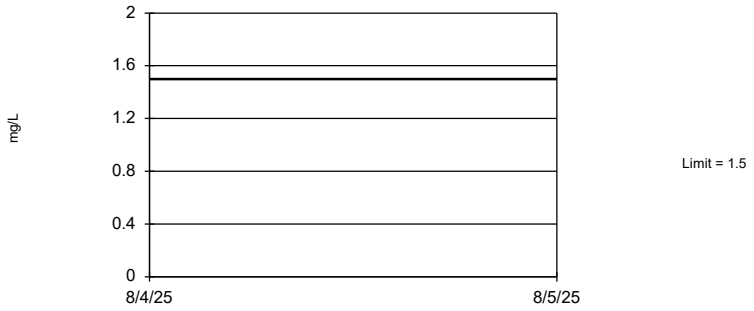
95% coverage. Background Data Summary (based on square root transformation): Mean=0.78, Std. Dev.=0.2717, n=154. Normality test: Chi Squared @alpha = 0.01, calculated = 10.42, critical = 14.07. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 10:15 AM View: UTLs

Plant Hammond Client: Southern Company Data: Hammond AP3

Tolerance Limit

Interwell Non-parametric



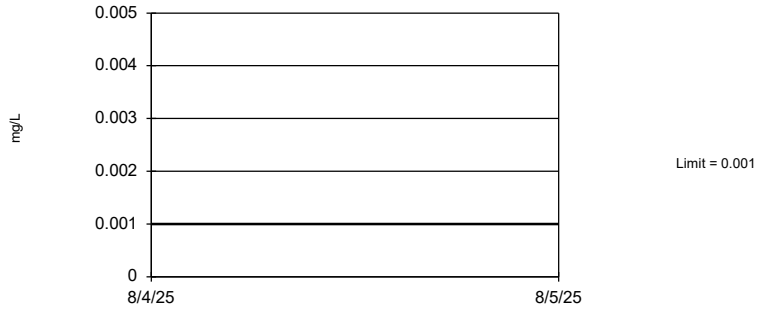
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 161 background values. 19.88% NDs. 97.07% coverage at alpha=0.01; 98.24% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0002591.

Constituent: Fluoride Analysis Run 10/16/2025 10:15 AM View: UTLs

Plant Hammond Client: Southern Company Data: Hammond AP3

Tolerance Limit

Interwell Non-parametric



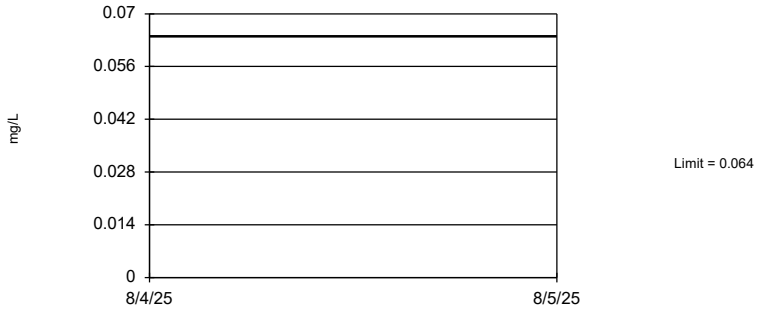
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 148 background values. 72.97% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0005048.

Constituent: Lead Analysis Run 10/16/2025 10:15 AM View: UTLs

Plant Hammond Client: Southern Company Data: Hammond AP3

Tolerance Limit

Interwell Non-parametric



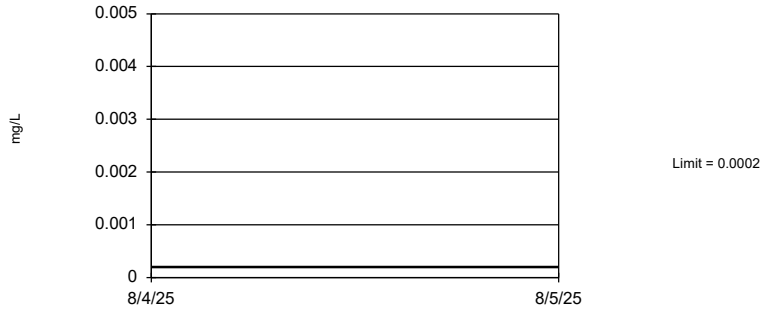
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 149 background values. 28.19% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0004795.

Constituent: Lithium Analysis Run 10/16/2025 10:15 AM View: UTLs

Plant Hammond Client: Southern Company Data: Hammond AP3

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 126 background values. 96.03% NDs. 96.29% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.00156.

Constituent: Mercury Analysis Run 10/16/2025 10:15 AM View: UTLs

Plant Hammond Client: Southern Company Data: Hammond AP3

Tolerance Limit

Interwell Non-parametric

Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 156 background values. 66.03% NDs. 97.07% coverage at alpha=0.01; 98.24% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0003349.

Constituent: Molybdenum Analysis Run 10/16/2025 10:15 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

Tolerance Limit

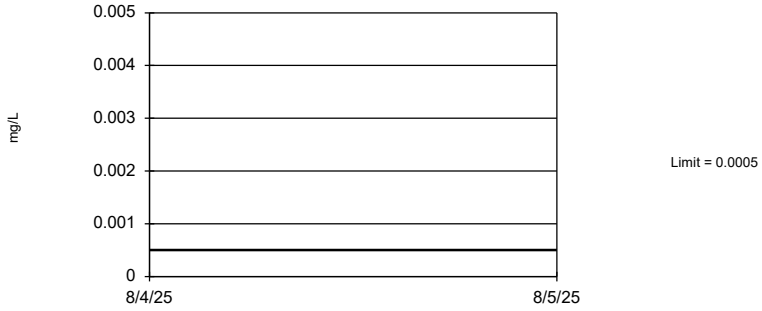
Interwell Non-parametric

Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 149 background values. 93.29% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0004795.

Constituent: Selenium Analysis Run 10/16/2025 10:15 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 149 background values. 99.33% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0004795.

Constituent: Thallium Analysis Run 10/16/2025 10:15 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP3

FIGURE G.

PLANT HAMMOND AP-3 GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.002	0.006
Arsenic, Total (mg/L)	0.01		0.0036	0.01
Barium, Total (mg/L)	2		0.64	2
Beryllium, Total (mg/L)	0.004		0.0004	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.0079	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.038	0.038
Combined Radium, Total (pCi/L)	5		1.66	5
Fluoride, Total (mg/L)	4		1.5	4
Lead, Total (mg/L)	n/a	0.015	0.001	0.015
Lithium, Total (mg/L)	n/a	0.040	0.064	0.064
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.01	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.0005	0.002

**Gray cell indicates background is higher than MCL or CCR-Rule*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Statard*

FIGURE H.

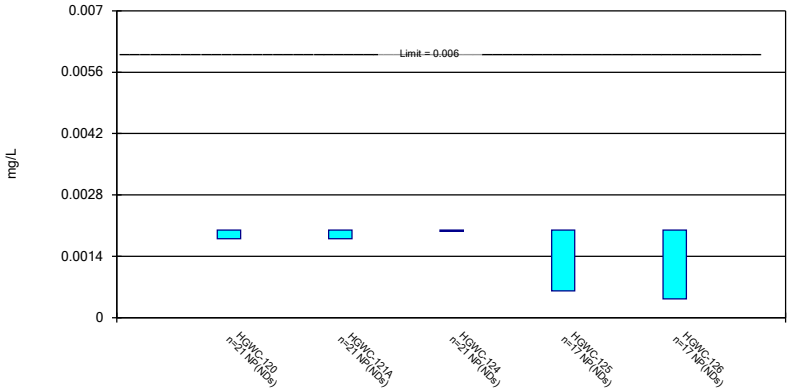
Appendix IV Confidence Intervals - All Results (No Significant)

Plant Hammond Client: Southern Company Data: Hammond AP3 Printed 10/16/2025, 10:22 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	HGWC-120	0.002	0.0018	0.006	No	21	0.00004364	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-121A	0.002	0.0018	0.006	No	21	0.00009562	90.48	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-124	0.002	0.002	0.006	No	21	0.00004364	90.48	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-125	0.002	0.00061	0.006	No	17	0.0004855	88.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-126	0.002	0.00043	0.006	No	17	0.0005264	88.24	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-120	0.002	0.0014	0.01	No	19	0.0004453	68.42	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-121A	0.002	0.0014	0.01	No	19	0.0002853	84.21	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-124	0.002	0.0006	0.01	No	19	0.0003212	94.74	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-125	0.0032	0.0014	0.01	No	16	0.0005321	75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-126	0.0026	0.00091	0.01	No	16	0.0004483	81.25	None	No	0.01	NP (NDs)
Barium (mg/L)	HGWC-120	0.05088	0.04694	2	No	23	0.003767	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-121A	0.07418	0.05795	2	No	23	0.01552	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-124	0.07095	0.06499	2	No	23	0.005703	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-125	0.04406	0.03865	2	No	17	0.004315	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-126	0.25	0.23	2	No	17	0.0151	0	None	No	0.01	NP (normality)
Chromium (mg/L)	HGWC-120	0.005	0.0015	0.1	No	23	0.0014	86.96	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-121A	0.005	0.0005	0.1	No	23	0.0009383	95.65	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-124	0.005	0.00051	0.1	No	23	0.001301	91.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-125	0.005	0.00081	0.1	No	17	0.001715	82.35	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-126	0.005	0.0014	0.1	No	17	0.001271	88.24	None	No	0.01	NP (NDs)
Cobalt (mg/L)	HGWC-120	0.004942	0.003484	0.038	No	23	0.001394	0	None	No	0.01	Param.
Cobalt (mg/L)	HGWC-121A	0.005	0.0005	0.038	No	23	0.001596	86.96	None	No	0.01	NP (NDs)
Cobalt (mg/L)	HGWC-125	0.01172	0.007511	0.038	No	17	0.003362	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-120	0.9788	0.66	5	No	23	0.3048	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-121A	1.063	0.5691	5	No	23	0.4717	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-124	0.7936	0.5135	5	No	23	0.2678	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-125	1.235	0.7183	5	No	17	0.412	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-126	1.617	1.098	5	No	17	0.4141	0	None	No	0.01	Param.
Fluoride (mg/L)	HGWC-120	0.6	0.36	4	No	26	0.3377	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	HGWC-121A	0.19	0.15	4	No	24	0.2262	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	HGWC-124	0.11	0.078	4	No	24	0.06166	45.83	None	No	0.01	NP (normality)
Fluoride (mg/L)	HGWC-125	0.1728	0.1307	4	No	17	0.03358	0	None	No	0.01	Param.
Fluoride (mg/L)	HGWC-126	0.5176	0.4563	4	No	17	0.05019	0	None	sqrt(x)	0.01	Param.
Lead (mg/L)	HGWC-120	0.001	0.0002	0.015	No	23	0.0003025	86.96	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-121A	0.001	0.00036	0.015	No	23	0.0002814	86.96	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-124	0.001	0.000094	0.015	No	23	0.0003926	78.26	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-125	0.001	0.00013	0.015	No	17	0.0004277	70.59	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-126	0.001	0.000046	0.015	No	17	0.0003755	82.35	None	No	0.01	NP (NDs)
Lithium (mg/L)	HGWC-120	0.02983	0.02391	0.064	No	23	0.005661	0	None	No	0.01	Param.
Lithium (mg/L)	HGWC-121A	0.008461	0.006965	0.064	No	23	0.00143	0	None	No	0.01	Param.
Lithium (mg/L)	HGWC-124	0.002	0.00104	0.064	No	23	0.0004281	30.43	None	No	0.01	NP (normality)
Lithium (mg/L)	HGWC-125	0.0057	0.0037	0.064	No	17	0.001586	0	None	No	0.01	NP (normality)
Lithium (mg/L)	HGWC-126	0.004269	0.003549	0.064	No	17	0.0005745	0	None	No	0.01	Param.
Mercury (mg/L)	HGWC-120	0.0002	0.00007	0.002	No	19	0.00004599	89.47	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-124	0.0002	0.000051	0.002	No	19	0.00003418	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	HGWC-120	0.03624	0.02835	0.1	No	23	0.007538	0	None	No	0.01	Param.
Molybdenum (mg/L)	HGWC-124	0.01	0.00092	0.1	No	23	0.004539	43.48	None	No	0.01	NP (normality)
Molybdenum (mg/L)	HGWC-125	0.01037	0.002161	0.1	No	17	0.008748	17.65	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	HGWC-120	0.005	0.002	0.05	No	19	0.0006882	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-121A	0.005	0.0011	0.05	No	19	0.0008947	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-124	0.005	0.0014	0.05	No	19	0.0008259	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-126	0.005	0.0013	0.05	No	16	0.000925	93.75	None	No	0.01	NP (NDs)

Non-Parametric Confidence Interval

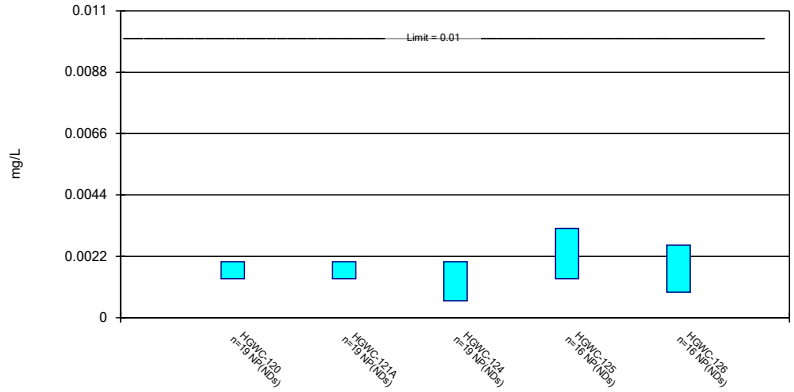
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 10/16/2025 10:17 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP3

Non-Parametric Confidence Interval

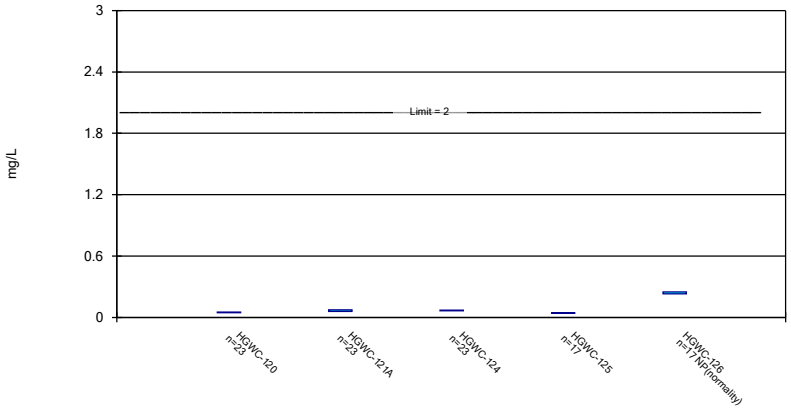
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Arsenic Analysis Run 10/16/2025 10:17 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP3

Parametric and Non-Parametric (NP) Confidence Interval

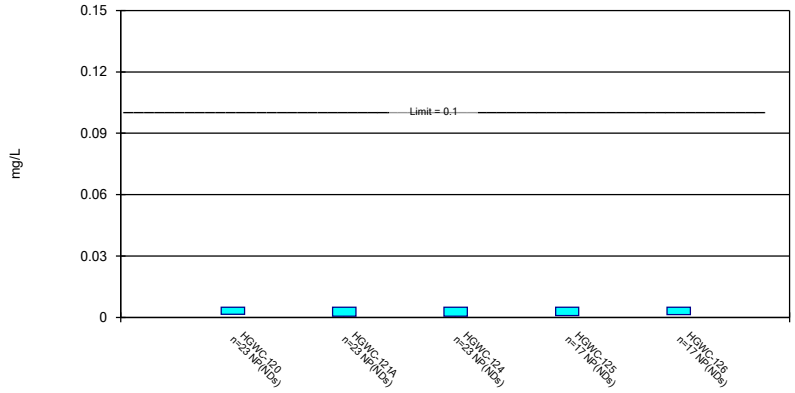
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 10/16/2025 10:17 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP3

Non-Parametric Confidence Interval

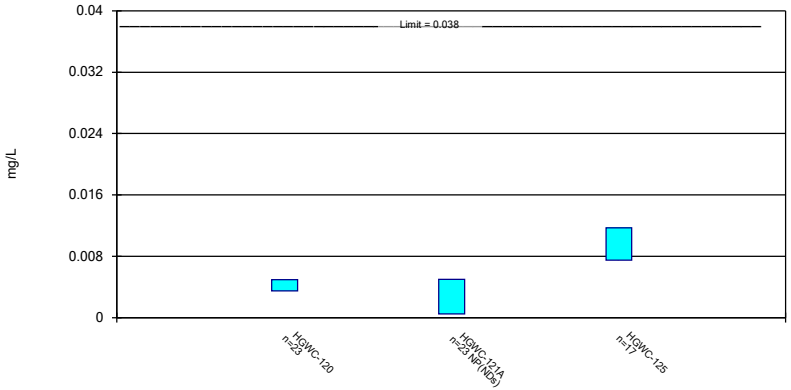
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 10/16/2025 10:18 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP3

Parametric and Non-Parametric (NP) Confidence Interval

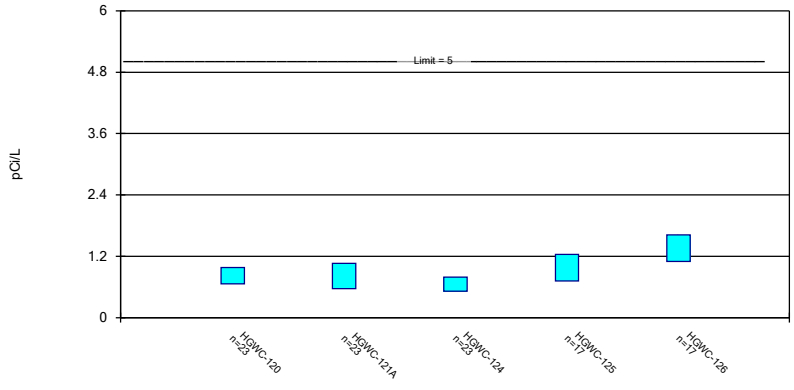
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 10/16/2025 10:18 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP3

Parametric Confidence Interval

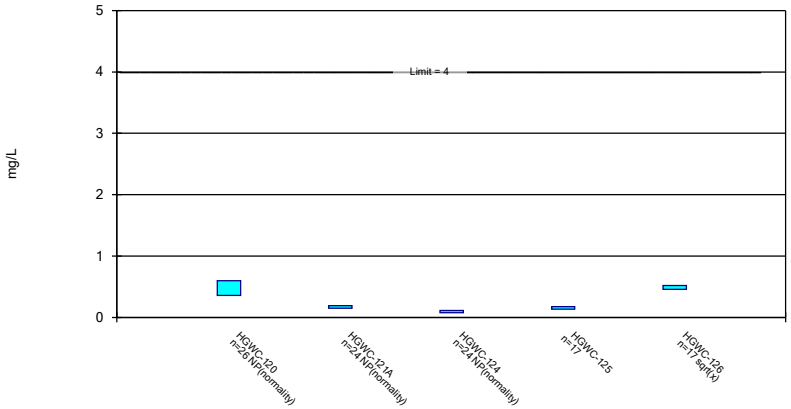
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 10:18 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP3

Parametric and Non-Parametric (NP) Confidence Interval

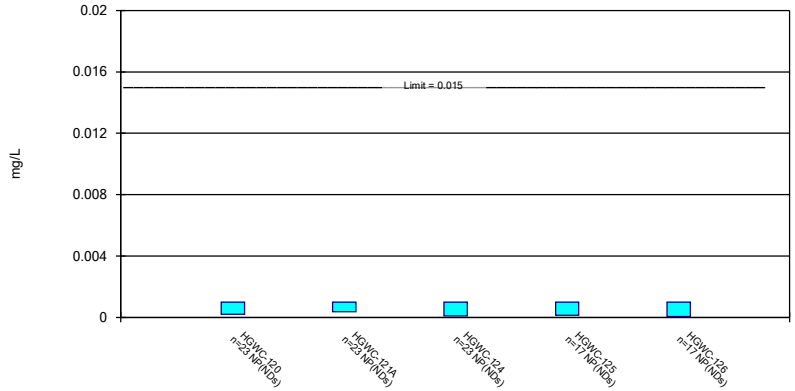
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 10/16/2025 10:18 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP3

Non-Parametric Confidence Interval

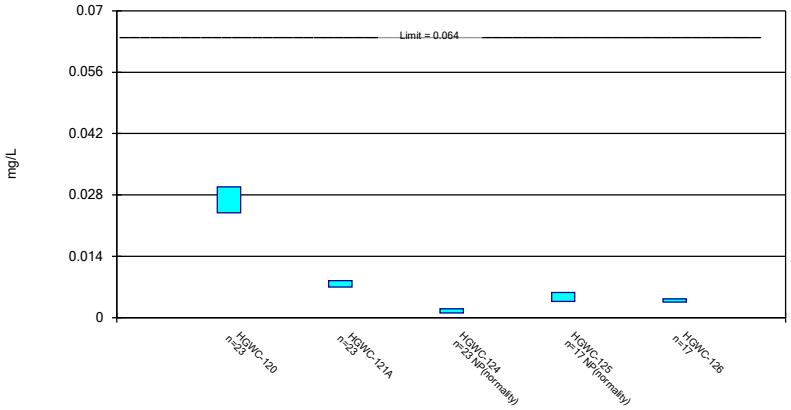
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 10/16/2025 10:18 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP3

Parametric and Non-Parametric (NP) Confidence Interval

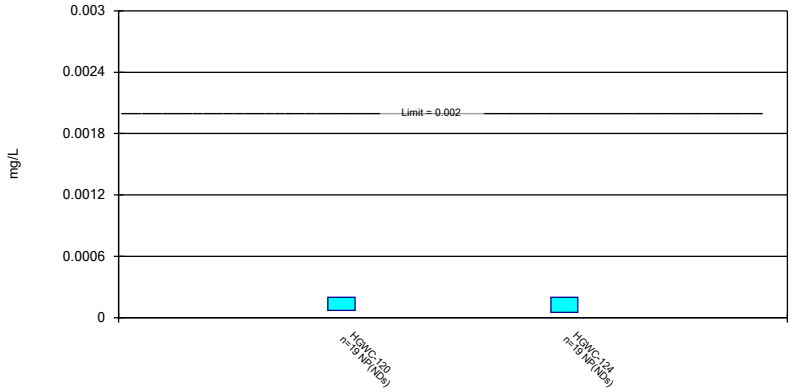
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 10/16/2025 10:18 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP3

Non-Parametric Confidence Interval

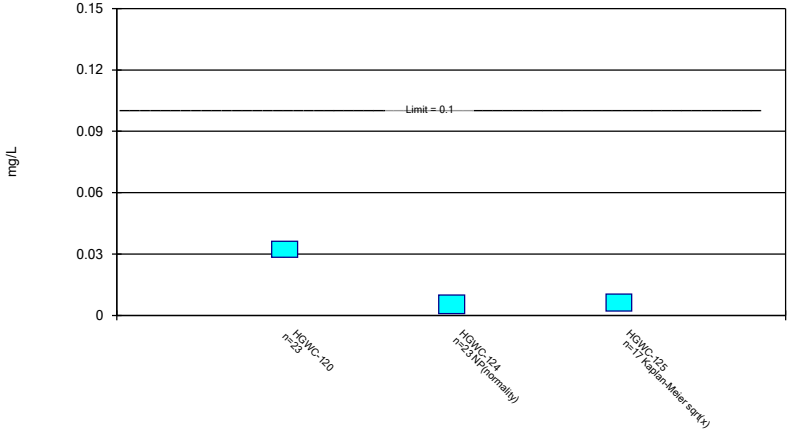
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 10/16/2025 10:18 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP3

Parametric and Non-Parametric (NP) Confidence Interval

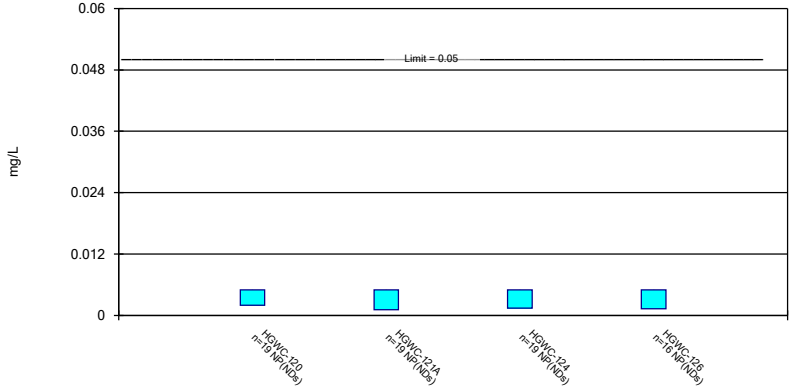
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 10/16/2025 10:18 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP3

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 10/16/2025 10:18 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP3

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/31/2016	<0.002	<0.002	<0.002		
10/26/2016	<0.002		<0.002		
11/7/2016		<0.002			
1/13/2017		<0.002			
1/27/2017	<0.002		<0.002		
5/25/2017	<0.002		<0.002		
6/3/2017		<0.002			
8/11/2017			<0.002		
10/2/2017	<0.002	<0.002			
11/15/2017	<0.002	<0.002	<0.002		
6/5/2018	<0.002	<0.002	<0.002		
10/2/2018	<0.002		<0.002		
10/5/2018		<0.002			
8/22/2019	<0.002	<0.002			
8/23/2019			<0.002		
5/22/2020				0.00047 (J)	<0.002
6/16/2020				<0.002	<0.002
8/25/2020				<0.002	<0.002
8/26/2020	<0.002	<0.002			
8/27/2020			<0.002		
9/18/2020					<0.002
9/21/2020	<0.002			<0.002	
9/28/2020		<0.002	<0.002		
11/11/2020					0.0004 (J)
11/12/2020				<0.002	
12/16/2020				<0.002	<0.002
1/20/2021				<0.002	<0.002
3/12/2021	0.0018 (J)			0.00061 (J)	0.00043 (J)
3/15/2021		<0.002	<0.002		
8/16/2021	<0.002	<0.002	<0.002		
8/19/2021				<0.002	<0.002
2/2/2022	<0.002	<0.002	<0.002		
2/3/2022				<0.002	<0.002
8/4/2022	<0.002	0.0016 (J)	<0.002	<0.002	<0.002
1/24/2023		<0.002	0.0018 (J)		
1/25/2023	<0.002			<0.002	<0.002
8/10/2023	<0.002	<0.002		<0.002	
8/11/2023			<0.002		<0.002
2/14/2024				<0.002	<0.002
2/15/2024	<0.002	<0.002			
2/16/2024			<0.002		
8/6/2024		0.0018 (J)			
8/7/2024	<0.002		0.002 (J)	<0.002	<0.002
2/14/2025			<0.002		
2/15/2025	<0.002	<0.002		<0.002	<0.002
8/7/2025	<0.002	<0.002		<0.002	<0.002
8/10/2025			<0.002		
Mean	0.00199	0.001971	0.00199	0.001828	0.001814
Std. Dev.	4.364E-05	9.562E-05	4.364E-05	0.0004855	0.0005264
Upper Lim.	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.0018	0.0018	0.002	0.00061	0.00043

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/31/2016	<0.002	<0.002	<0.002		
10/26/2016	<0.002		<0.002		
11/7/2016		<0.002			
1/13/2017		<0.002			
1/27/2017	<0.002		<0.002		
5/25/2017	0.0014 (J)		0.0006 (J)		
6/3/2017		0.001 (J)			
8/11/2017			<0.002		
10/2/2017	0.0007 (J)	<0.002			
11/15/2017	<0.002	<0.002	<0.002		
6/5/2018	0.001 (J)	0.0014 (J)	<0.002		
10/2/2018	<0.002		<0.002		
10/5/2018		<0.002			
8/22/2019	<0.002	<0.002			
8/23/2019			<0.002		
5/22/2020				0.00081 (J)	0.00071 (J)
6/16/2020				0.0014 (J)	0.00091 (J)
8/25/2020				<0.002	<0.002
8/26/2020	<0.002	<0.002			
8/27/2020			<0.002		
9/18/2020					<0.002
9/21/2020				<0.002	
11/11/2020					<0.002
11/12/2020				<0.002	
12/16/2020				<0.002	<0.002
1/20/2021				<0.002	<0.002
8/16/2021	0.0015 (J)	0.0014 (J)	<0.002		
8/19/2021				<0.002	<0.002
2/2/2022	0.0014 (J)	<0.002	<0.002		
2/3/2022				0.0032 (J)	0.0026 (J)
8/4/2022	<0.002	<0.002	<0.002	<0.002	<0.002
1/24/2023		<0.002	<0.002		
1/25/2023	<0.002			<0.002	<0.002
8/10/2023	<0.002	<0.002		<0.002	
8/11/2023			<0.002		<0.002
2/14/2024				<0.002	<0.002
2/15/2024	0.00086 (J)	<0.002			
2/16/2024			<0.002		
8/6/2024		<0.002			
8/7/2024	<0.002		<0.002	0.0009 (J)	<0.002
2/14/2025			<0.002		
2/15/2025	<0.002	<0.002		<0.002	<0.002
8/7/2025	<0.002	<0.002		<0.002	<0.002
8/10/2025			<0.002		
Mean	0.001729	0.001884	0.001926	0.001894	0.001889
Std. Dev.	0.0004453	0.0002853	0.0003212	0.0005321	0.0004483
Upper Lim.	0.002	0.002	0.002	0.0032	0.0026
Lower Lim.	0.0014	0.0014	0.0006	0.0014	0.00091

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/31/2016	0.045	0.0782	0.0744		
10/26/2016	0.0462		0.0735		
11/7/2016		0.0764			
1/13/2017		0.0744			
1/27/2017	0.0451		0.0632		
5/25/2017	0.0488		0.0773		
6/3/2017		0.0933			
8/11/2017			0.0672		
10/2/2017	0.0479	0.0815			
11/15/2017	0.051	0.0807	0.0707		
6/5/2018	0.051	0.078	0.07		
10/2/2018	0.059		0.067		
10/5/2018		0.074			
8/22/2019	0.05	0.066			
8/23/2019			0.066		
10/21/2019		0.074	0.075		
10/22/2019	0.051				
3/24/2020			0.075		
3/25/2020	0.052	0.099			
5/22/2020				0.048	0.24
6/16/2020				0.049	0.24
8/25/2020				0.045	0.23
8/26/2020	0.041	0.057			
8/27/2020			0.062		
9/18/2020					0.21
9/21/2020	0.046			0.042	
9/28/2020		0.056	0.071		
11/11/2020					0.23
11/12/2020				0.042	
12/16/2020				0.041	0.24
1/20/2021				0.045	0.25
3/12/2021	0.047			0.043	0.27
3/15/2021		0.059	0.071		
8/16/2021	0.052	0.06	0.069		
8/19/2021				0.044	0.27
2/2/2022	0.054	0.064	0.072		
2/3/2022				0.043	0.24
8/4/2022	0.048	0.06	0.068	0.037	0.24
1/24/2023		0.059	0.068		
1/25/2023	0.051			0.042	0.24
8/10/2023	0.045	0.048		0.038	
8/11/2023			0.06		0.22
2/14/2024				0.037	0.23
2/15/2024	0.046	0.047			
2/16/2024			0.054		
8/6/2024		0.044			
8/7/2024	0.051		0.064	0.035	0.23
2/14/2025			0.06		
2/15/2025	0.05	0.044		0.038	0.24
8/7/2025	0.047	0.046		0.034	0.23
8/10/2025			0.065		
Mean	0.04891	0.06607	0.06797	0.04135	0.2382

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
Std. Dev.	0.003767	0.01552	0.005703	0.004315	0.0151
Upper Lim.	0.05088	0.07418	0.07095	0.04406	0.25
Lower Lim.	0.04694	0.05795	0.06499	0.03865	0.23

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/31/2016	<0.005	<0.005	<0.005		
10/26/2016	<0.005		<0.005		
11/7/2016		<0.005			
1/13/2017		<0.005			
1/27/2017	<0.005		<0.005		
5/25/2017	<0.005		<0.005		
6/3/2017		<0.005			
8/11/2017			<0.005		
10/2/2017	<0.005	<0.005			
11/15/2017	<0.005	<0.005	<0.005		
6/5/2018	<0.005	<0.005	<0.005		
10/2/2018	<0.005		<0.005		
10/5/2018		<0.005			
8/22/2019	0.00072 (J)	<0.005			
8/23/2019			<0.005		
10/21/2019		<0.005	0.00046 (J)		
10/22/2019	<0.005				
3/24/2020			0.00051 (J)		
3/25/2020	0.0015 (J)	0.0005 (J)			
5/22/2020				0.00058 (J)	<0.005
6/16/2020				0.00052 (J)	<0.005
8/25/2020				<0.005	0.00096 (J)
8/26/2020	<0.005	<0.005			
8/27/2020			<0.005		
9/18/2020					<0.005
9/21/2020	0.00065 (J)			<0.005	
9/28/2020		<0.005	<0.005		
11/11/2020					<0.005
11/12/2020				<0.005	
12/16/2020				<0.005	<0.005
1/20/2021				0.00081 (J)	<0.005
3/12/2021	<0.005			<0.005	<0.005
3/15/2021		<0.005	<0.005		
8/16/2021	<0.005	<0.005	<0.005		
8/19/2021				<0.005	<0.005
2/2/2022	<0.005	<0.005	<0.005		
2/3/2022				<0.005	<0.005
8/4/2022	<0.005	<0.005	<0.005	<0.005	<0.005
1/24/2023		<0.005	<0.005		
1/25/2023	<0.005			<0.005	0.0014 (J)
8/10/2023	<0.005	<0.005		<0.005	
8/11/2023			<0.005		<0.005
2/14/2024				<0.005	<0.005
2/15/2024	<0.005	<0.005			
2/16/2024			<0.005		
8/6/2024		<0.005			
8/7/2024	<0.005		<0.005	<0.005	<0.005
2/14/2025			<0.005		
2/15/2025	<0.005	<0.005		<0.005	<0.005
8/7/2025	<0.005	<0.005		<0.005	<0.005
8/10/2025			<0.005		
Mean	0.004473	0.004804	0.004607	0.00423	0.004551

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
Std. Dev.	0.0014	0.0009383	0.001301	0.001715	0.001271
Upper Lim.	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0015	0.0005	0.00051	0.00081	0.0014

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-121A	HGWC-125
8/31/2016	0.0052 (J)	<0.005	
10/26/2016	0.0041 (J)		
11/7/2016		<0.005	
1/13/2017		<0.005	
1/27/2017	0.0034 (J)		
5/25/2017	0.0035 (J)		
6/3/2017		0.0005 (J)	
10/2/2017	0.0036 (J)	0.0003 (J)	
11/15/2017	0.0032 (J)	0.0003 (J)	
6/5/2018	0.0031 (J)	<0.005	
10/2/2018	0.0025 (J)		
10/5/2018		<0.005	
8/22/2019	0.0028 (J)	<0.005	
10/21/2019		<0.005	
10/22/2019	0.0031 (J)		
3/25/2020	0.0036 (J)	<0.005	
5/22/2020			0.01
6/16/2020			0.0096
8/25/2020			0.0087
8/26/2020	0.0023 (J)	<0.005	
9/21/2020	0.0041 (J)		0.012
9/28/2020		<0.005	
11/12/2020			0.012
12/16/2020			0.0055
1/20/2021			0.012
3/12/2021	0.0027 (J)		0.014
3/15/2021		<0.005	
8/16/2021	0.0037 (J)	<0.005	
8/19/2021			0.0054
2/2/2022	0.0072	<0.005	
2/3/2022			0.0086
8/4/2022	0.0058	<0.005	0.014
1/24/2023		<0.005	
1/25/2023	0.0055		0.0097
8/10/2023	0.0048 (J)	<0.005	0.012
2/14/2024			0.004 (J)
2/15/2024	0.005 (J)	<0.005	
8/6/2024		<0.005	
8/7/2024	0.0064		0.012
2/15/2025	0.0046 (J)	<0.005	0.003 (J)
8/7/2025	0.0067	<0.005	0.011
Mean	0.004213	0.004396	0.009618
Std. Dev.	0.001394	0.001596	0.003362
Upper Lim.	0.004942	0.005	0.01172
Lower Lim.	0.003484	0.0005	0.007511

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/31/2016	1.47	1.57	1.22		
10/26/2016	0.864 (U)		0.637 (U)		
11/7/2016		0.739 (U)			
1/13/2017		0.744 (U)			
1/27/2017	0.521 (U)		0.795 (U)		
5/25/2017	0.681		0.896		
6/3/2017		0 (U)			
8/11/2017			0.828 (U)		
10/2/2017	0.632 (U)	0.68 (U)			
11/15/2017	1.3	0.911 (U)	0.478 (U)		
6/5/2018	1.26	0.948 (U)	0.947 (U)		
10/2/2018	0.572 (U)		0.617 (U)		
10/5/2018		1.17 (U)			
8/22/2019	1.35	1.3			
8/23/2019			0.834		
10/21/2019		0.393 (U)	1.11 (U)		
10/22/2019	0.76 (U)				
3/24/2020			0.796 (U)		
3/25/2020	0.696 (U)	0.505 (U)			
5/22/2020				1.1 (U)	1.82
6/16/2020				1.62	1.82
8/25/2020				1.65	1.82
8/26/2020	0.357 (U)	1.96			
8/27/2020			0.494 (U)		
9/18/2020					0.841 (U)
9/21/2020	0.553 (U)			1.45	
9/28/2020		0.761 (U)	0.477 (U)		
11/11/2020					0.837 (U)
11/12/2020				0.633 (U)	
12/16/2020				0.818 (U)	1.26 (U)
1/20/2021				1.01 (U)	0.985 (U)
3/12/2021	0.711 (U)			0.828 (U)	1.86
3/15/2021		0.985 (U)	0.74 (U)		
8/16/2021	1.25	0.192 (U)	0.734 (U)		
8/19/2021				0.721 (U)	1.11
2/2/2022	0.816 (U)	0.254 (U)	0.564 (U)		
2/3/2022				0.257 (U)	1.51
8/4/2022	0.687 (U)	1.16 (U)	0.16 (U)	0.971 (U)	1.34 (U)
1/24/2023		0.757 (U)	0.601 (U)		
1/25/2023	0.992			1.11	1.91
8/10/2023	0.682 (U)	0.585 (U)		0.953 (U)	
8/11/2023			0.449 (U)		1.34
2/14/2024				0.275 (U)	1.01 (U)
2/15/2024	0.669 (U)	0.0885 (U)			
2/16/2024			0.448 (U)		
8/6/2024		1.27			
8/7/2024	0.679 (U)		0.422 (U)	0.603 (U)	0.662 (U)
2/14/2025			0.102 (U)		
2/15/2025	0.506 (U)	0.874 (U)		1.29 (U)	1.21 (U)
8/7/2025	0.838 (U)	0.918 (U)		1.31 (U)	1.74
8/10/2025			0.683 (U)		
Mean	0.8194	0.8158	0.6536	0.9764	1.357

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
Std. Dev.	0.3048	0.4717	0.2678	0.412	0.4141
Upper Lim.	0.9788	1.063	0.7936	1.235	1.617
Lower Lim.	0.66	0.5691	0.5135	0.7183	1.098

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/31/2016	0.65	0.14 (J)	0.15 (J)		
10/26/2016	0.6		0.3		
11/7/2016		0.18 (J)			
1/13/2017		0.14 (J)			
1/27/2017	1.2		0.3		
5/25/2017	1.4		0.05 (J)		
6/3/2017		0.15 (J)			
8/11/2017			0.1 (J)		
10/2/2017	1	1.2			
11/15/2017	1.3	0.6	<0.1		
6/5/2018	0.48	0.19 (J)	0.078 (J)		
10/2/2018	0.34		0.078 (J)		
10/5/2018		0.23 (J)			
4/2/2019	0.47				
4/3/2019		0.14 (J)	0.089 (J)		
6/17/2019	1.2				
8/22/2019	0.3 (J)	0.2 (J)			
8/23/2019			0.11 (J)		
10/21/2019		0.18 (J)	0.073 (J)		
10/22/2019	0.53				
3/24/2020			<0.1		
3/25/2020	0.43	0.095 (J)			
5/22/2020				0.1 (J)	0.46
6/15/2020	0.37				
6/16/2020				0.12	0.44
8/25/2020				0.16	0.52
8/26/2020	0.48	0.16			
8/27/2020			<0.1		
9/18/2020					0.43
9/21/2020	0.33			0.11	
9/28/2020		0.15	<0.1		
11/11/2020					0.45
11/12/2020				0.12	
12/16/2020				0.2	0.49
1/20/2021				0.13	0.44
3/12/2021	0.42			0.12	0.46
3/15/2021		0.16	<0.1		
8/16/2021	0.39	0.15	<0.1		
8/19/2021				0.17	0.43
2/2/2022	0.36	0.15	<0.1		
2/3/2022				0.18	0.51
8/4/2022	0.38	0.18	0.074 (J)	0.15	0.5
1/24/2023		0.18	0.068 (J)		
1/25/2023	0.42			0.17	0.57
8/10/2023	0.36	0.18		0.15	
8/11/2023			<0.1		0.49
2/14/2024				0.2	0.49
2/15/2024	0.35	0.18			
2/16/2024			<0.1		
8/6/2024		0.2			
8/7/2024	0.34		<0.1	0.12	0.5
2/14/2025			<0.1		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
2/15/2025	0.34	0.18		0.19	0.49
8/7/2025	0.44	0.23		0.19	0.62
8/10/2025			0.066 (J)		
Mean	0.5723	0.231	0.1098	0.1518	0.4876
Std. Dev.	0.3377	0.2262	0.06166	0.03358	0.05019
Upper Lim.	0.6	0.19	0.11	0.1728	0.5176
Lower Lim.	0.36	0.15	0.078	0.1307	0.4563

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/31/2016	<0.001	<0.001	<0.001		
10/26/2016	0.0002 (J)		<0.001		
11/7/2016		<0.001			
1/13/2017		<0.001			
1/27/2017	<0.001		<0.001		
5/25/2017	9E-05 (J)		<0.001		
6/3/2017		7E-05 (J)			
8/11/2017			8E-05 (J)		
10/2/2017	8E-05 (J)	<0.001			
11/15/2017	<0.001	<0.001	<0.001		
6/5/2018	<0.001	0.00036 (J)	<0.001		
10/2/2018	<0.001		<0.001		
10/5/2018		<0.001			
8/22/2019	<0.001	<0.001			
8/23/2019			4.9E-05 (J)		
10/21/2019		<0.001	4.9E-05 (J)		
10/22/2019	<0.001				
3/24/2020			9.4E-05 (J)		
3/25/2020	<0.001	<0.001			
5/22/2020				0.00014 (J)	<0.001
6/16/2020				0.00013 (J)	<0.001
8/25/2020				<0.001	4.5E-05 (J)
8/26/2020	<0.001	<0.001			
8/27/2020			<0.001		
9/18/2020					<0.001
9/21/2020	<0.001			<0.001	
9/28/2020		<0.001	7.5E-05 (J)		
11/11/2020					4.2E-05 (J)
11/12/2020				4.7E-05 (J)	
12/16/2020				<0.001	<0.001
1/20/2021				9.2E-05 (J)	<0.001
3/12/2021	<0.001			4.4E-05 (J)	4.6E-05 (J)
3/15/2021		0.00015 (J)	<0.001		
8/16/2021	<0.001	<0.001	<0.001		
8/19/2021				<0.001	<0.001
2/2/2022	<0.001	<0.001	<0.001		
2/3/2022				<0.001	<0.001
8/4/2022	<0.001	<0.001	<0.001	<0.001	<0.001
1/24/2023		<0.001	<0.001		
1/25/2023	<0.001			<0.001	<0.001
8/10/2023	<0.001	<0.001		<0.001	
8/11/2023			<0.001		<0.001
2/14/2024				<0.001	<0.001
2/15/2024	<0.001	<0.001			
2/16/2024			<0.001		
8/6/2024		<0.001			
8/7/2024	<0.001		<0.001	<0.001	<0.001
2/14/2025			<0.001		
2/15/2025	<0.001	<0.001		<0.001	<0.001
8/7/2025	<0.001	<0.001		<0.001	<0.001
8/10/2025			<0.001		
Mean	0.0008857	0.0008948	0.0007977	0.0007325	0.0008314

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
Std. Dev.	0.0003025	0.0002814	0.0003926	0.0004277	0.0003755
Upper Lim.	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.0002	0.00036	9.4E-05	0.00013	4.6E-05

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
8/31/2016	0.0333 (J)	0.0077 (J)	<0.002		
10/26/2016	0.0352 (J)		<0.002		
11/7/2016		0.0089 (J)			
1/13/2017		0.0091 (J)			
1/27/2017	0.0329 (J)		<0.002		
5/25/2017	0.0347 (J)		0.0011 (J)		
6/3/2017		0.0104 (J)			
8/11/2017			<0.002		
10/2/2017	0.0337 (J)	0.0095 (J)			
11/15/2017	0.0347 (J)	0.0086 (J)	<0.002		
6/5/2018	0.033 (J)	0.0092 (J)	0.0012 (J)		
10/2/2018	0.031 (J)		0.0012 (J)		
10/5/2018		0.0091 (J)			
8/22/2019	0.029 (J)	0.0084 (J)			
8/23/2019			0.0011 (J)		
10/21/2019		0.009 (J)	0.0011 (J)		
10/22/2019	0.03 (J)				
3/24/2020			0.0012 (J)		
3/25/2020	0.024 (J)	0.0066 (J)			
5/22/2020				0.0052 (J)	0.0046 (J)
6/16/2020				0.0053 (J)	0.0045 (J)
8/25/2020				0.0037 (J)	0.0037 (J)
8/26/2020	0.023 (J)	0.0071 (J)			
8/27/2020			0.00091 (J)		
9/18/2020					0.0035 (J)
9/21/2020	0.023 (J)			0.0038 (J)	
9/28/2020		0.0076 (J)	0.0011 (J)		
11/11/2020					0.0032 (J)
11/12/2020				0.0038 (J)	
12/16/2020				0.0055 (J)	0.0029 (J)
1/20/2021				0.0046 (J)	0.0038 (J)
3/12/2021	0.023 (J)			0.0039 (J)	0.0038 (J)
3/15/2021		0.0077 (J)	0.001 (J)		
8/16/2021	0.025 (J)	0.0075 (J)	0.0011 (J)		
8/19/2021				0.0074 (J)	0.0032 (J)
2/2/2022	0.025 (J)	0.0082 (J)	0.0012 (J)		
2/3/2022				0.0057 (J)	0.0038 (J)
8/4/2022	0.023 (J)	0.0069 (J)	0.0011 (J)	0.0035 (J)	0.0034 (J)
1/24/2023		0.0066 (J)	0.0011 (J)		
1/25/2023	0.018 (J)			0.0045 (J)	0.0046 (J)
8/10/2023	0.023 (J)	0.0069 (J)		0.0042 (J)	
8/11/2023			0.00097 (J)		0.0041 (J)
2/14/2024				0.0083 (J)	0.0041 (J)
2/15/2024	0.021 (J)	0.0056 (J)			
2/16/2024			<0.002		
8/6/2024		0.0063 (J)			
8/7/2024	0.023 (J)		<0.002	0.0038 (J)	0.0042 (J)
2/14/2025			0.00104 (J)		
2/15/2025	0.02 (J)	0.00449 (J)		0.00823 (J)	0.00401 (J)
8/7/2025	0.0195	0.00601		0.00366	0.00504
8/10/2025			0.00126 (J)		
Mean	0.02687	0.007713	0.001377	0.005005	0.003909

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-121A	HGWC-124	HGWC-125	HGWC-126
Std. Dev.	0.005661	0.00143	0.0004281	0.001586	0.0005745
Upper Lim.	0.02983	0.008461	0.002	0.0057	0.004269
Lower Lim.	0.02391	0.006965	0.00104	0.0037	0.003549

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-124
8/31/2016	4E-05 (J)	<0.0002
10/26/2016	<0.0002	<0.0002
1/27/2017	<0.0002	<0.0002
5/25/2017	7E-05 (J)	5.1E-05 (J)
8/11/2017		<0.0002
10/2/2017	<0.0002	
11/15/2017	<0.0002	<0.0002
6/5/2018	<0.0002	<0.0002
10/2/2018	<0.0002	<0.0002
8/22/2019	<0.0002	
8/23/2019		<0.0002
8/26/2020	<0.0002	
8/27/2020		<0.0002
8/16/2021	<0.0002	<0.0002
2/2/2022	<0.0002	<0.0002
8/4/2022	<0.0002	<0.0002
1/24/2023		<0.0002
1/25/2023	<0.0002	
8/10/2023	<0.0002	
8/11/2023		<0.0002
2/15/2024	<0.0002	
2/16/2024		<0.0002
8/7/2024	<0.0002	<0.0002
2/14/2025		<0.0002
2/15/2025	<0.0002	
8/7/2025	<0.0002	
8/10/2025		<0.0002
Mean	0.0001847	0.0001922
Std. Dev.	4.599E-05	3.418E-05
Upper Lim.	0.0002	0.0002
Lower Lim.	7E-05	5.1E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-124	HGWC-125
8/31/2016	0.0176	<0.01	
10/26/2016	0.0187	<0.01	
1/27/2017	0.0214	<0.01	
5/25/2017	0.0231	0.0009 (J)	
8/11/2017		0.0013 (J)	
10/2/2017	0.0259		
11/15/2017	0.0281	0.0012 (J)	
6/5/2018	0.033	<0.01	
10/2/2018	0.036	<0.01	
8/22/2019	0.039		
8/23/2019		0.0014 (J)	
10/21/2019		0.0013 (J)	
10/22/2019	0.04		
3/24/2020		0.001 (J)	
3/25/2020	0.034		
5/22/2020			<0.01
6/16/2020			<0.01
8/25/2020			0.00099 (J)
8/26/2020	0.05		
8/27/2020		0.00091 (J)	
9/21/2020	0.043		<0.01
9/28/2020		0.0009 (J)	
11/12/2020			0.0017 (J)
12/16/2020			0.014
1/20/2021			0.0013 (J)
3/12/2021	0.033		0.0012 (J)
3/15/2021		0.00092 (J)	
8/16/2021	0.035	0.00091 (J)	
8/19/2021			0.021
2/2/2022	0.034	0.001 (J)	
2/3/2022			0.0067 (J)
8/4/2022	0.032	<0.01	0.0023 (J)
1/24/2023		<0.01	
1/25/2023	0.03		0.0053 (J)
8/10/2023	0.035		0.0031 (J)
8/11/2023		<0.01	
2/14/2024			0.026
2/15/2024	0.033		
2/16/2024		0.00072 (J)	
8/7/2024	0.036	0.0012 (J)	0.0028 (J)
2/14/2025		<0.01	
2/15/2025	0.033		0.028
8/7/2025	0.032		0.0036 (J)
8/10/2025		<0.01	
Mean	0.0323	0.004942	0.008705
Std. Dev.	0.007538	0.004539	0.008748
Upper Lim.	0.03624	0.01	0.01037
Lower Lim.	0.02835	0.00092	0.002161

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/16/2025 10:22 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP3

	HGWC-120	HGWC-121A	HGWC-124	HGWC-126
8/31/2016	<0.005	<0.005	<0.005	
10/26/2016	<0.005		<0.005	
11/7/2016		<0.005		
1/13/2017		0.0011 (J)		
1/27/2017	<0.005		<0.005	
5/25/2017	<0.005		<0.005	
6/3/2017		<0.005		
8/11/2017			<0.005	
10/2/2017	0.002 (J)	<0.005		
11/15/2017	<0.005	<0.005	<0.005	
6/5/2018	<0.005	<0.005	<0.005	
10/2/2018	<0.005		0.0014 (J)	
10/5/2018		<0.005		
8/22/2019	<0.005	<0.005		
8/23/2019			<0.005	
5/22/2020				<0.005
6/16/2020				<0.005
8/25/2020				<0.005
8/26/2020	<0.005	<0.005		
8/27/2020			<0.005	
9/18/2020				<0.005
11/11/2020				<0.005
12/16/2020				<0.005
1/20/2021				<0.005
8/16/2021	<0.005	<0.005	<0.005	
8/19/2021				<0.005
2/2/2022	<0.005	<0.005	<0.005	
2/3/2022				<0.005
8/4/2022	<0.005	<0.005	<0.005	<0.005
1/24/2023		<0.005	<0.005	
1/25/2023	<0.005			<0.005
8/10/2023	<0.005	<0.005		
8/11/2023			<0.005	<0.005
2/14/2024				<0.005
2/15/2024	<0.005	<0.005		
2/16/2024			<0.005	
8/6/2024		<0.005		
8/7/2024	<0.005		<0.005	<0.005
2/14/2025			<0.005	
2/15/2025	<0.005	<0.005		0.0013 (J)
8/7/2025	<0.005	<0.005		<0.005
8/10/2025			<0.005	
Mean	0.004842	0.004795	0.004811	0.004769
Std. Dev.	0.0006882	0.0008947	0.0008259	0.000925
Upper Lim.	0.005	0.005	0.005	0.005
Lower Lim.	0.002	0.0011	0.0014	0.0013

ND substitution: RL or RL/2 if <15% NDs.